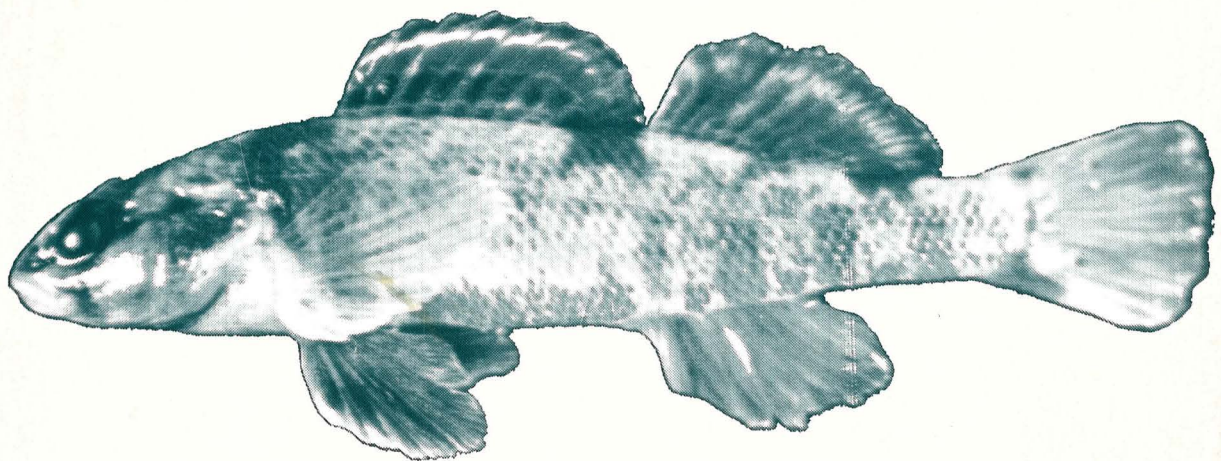


• **COLLECTION OF FISHES** •



Museum of Zoology

NORTHEAST LOUISIANA UNIVERSITY

NEIL H. DOUGLAS
DIRECTOR AND CURATOR

**A LIST OF THE FISHES IN THE
NORTHEAST LOUISIANA UNIVERSITY MUSEUM OF ZOOLOGY**

NEIL H. DOUGLAS
PROFESSOR OF BIOLOGY, DIRECTOR AND CURATOR, MUSEUM OF ZOOLOGY

1st Revision, April 10, 1964	139 species	561 cataloged lots
2nd Revision, May 3, 1965	224 species	1706 cataloged lots
3rd Revision, Aug. 24, 1965	276 species	2786 cataloged lots
4th Revision, Sept. 5, 1966	304 species	5378 cataloged lots
5th Revision, May 10, 1967	360 species	6241 cataloged lots
6th Revision, March 1, 1968	503 species	9200 cataloged lots
7th Revision, June 10, 1969	649 species	14000 cataloged lots
8th Revision, May 28, 1971	671 species	16104 cataloged lots
9th Revision, April 28, 1972	736 species	22445 cataloged lots
10th Revision, Sept. 3, 1975	816 species	32003 cataloged lots
11th Revision, March 25, 1977	1005 species	35160 cataloged lots
12th Revision, Jan. 20, 1979	1141 species	41876 cataloged lots
13th Revision, April 1, 1981	1385 species	47295 cataloged lots
14th Revision, June 1, 1983	1482 species	53000 cataloged lots

TOTAL NUMBER REPRESENTED IN COLLECTION

15th Revision, April 12, 1995	71,744 Cataloged lots
	212 Families
	1654 Species
	1,601,894 Specimens

First parenthetic entry=number of lots and second entry=number of specimens.

Example: *Etheostoma histrio* Harlequin Darter (497-12018)
497 lots or collections and 12018 total specimens

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Amiidae	3	Channidae	44
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Anabantidae	42	Chimaeridae	1
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Lutjanidae	46	Ponatomidae	27
Macrouridae	14	Potamotrygonidae	32
Malacanthidae	24	Priacanthidae	27
Mastacembelidae	41	Pristidae	2
Megalopidae	33	Protopteridae	32
Melanotaeniidae	39	Rachycentridae	27
Mochokidae	37	Rajidae	2
Monacanthidae	31, 49	Rhinobatidae	2
Monodactylidae	46	Salmonidae	12
Moridae	39	Scaridae	48
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Mormyridae	32	Schilbeidae	37
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Mullidae	24, 46	Scombridae	28
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Serranidae	28,48
Siganidae	48
Siluridae	38
Sisoridae	38
Sparidae	28,48
Sphyraenidae	29
Squalidae	2
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Stichaeidae	29
Stomiidae	13
Stromateidae	29
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Synbranchidae	41
Syngnathidae	17,40
Synodontidae	13,38
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Tetraodontidae	31,49
Torpedinidae	2
Toxotidae	48
Trachichthyidae	17
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Trichiuridae	29
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INTRODUCTION

In this day of increasing environmental degradation-emphasized each passing year by accelerated practices of clear cutting timber, draining wetlands, clearing land, damming and channelizing rivers and polluting air and water with increasingly complex materials-man is determining the fate or the continued existence of many of our living creatures.

It seems inevitable that increasingly more species of animal life will be hurried into an early extinction from their rightful place within the fauna of the world. Unfortunately, it will never be known just how many forms of life are forced into extinction through the thoughtlessness of man even before they are discovered, described, and made known to science. It is possible that in the future, collections of preserved and documented animals in biological museums will offer the only evidence of animal life that once occurred, perhaps even prospered, but are now gone.

The extensive zoological museum collections, featuring the Collection of Fishes, within the Department of Biology, Northeast Louisiana University, is largely a research facility that offers comparative specimens of preserved animal life for study.

HISTORY AND GROWTH

The Collection of Fishes at Northeast Louisiana University was initiated in the spring of 1962 as a teaching collection. The start consisted of a mere "trailer full" of specimens collected in and brought from Oklahoma. Since then the original teaching collection has grown into a research collection of impressive proportions.

The Collection of Fishes now possesses voluminous data, documentation, and specimens (some of which are valued as rare, unique, and irreplaceable) due largely to active and progressive field investigations during the last 32 years. From April 10, 1964 to March 25, 1977 the number of cataloged lots of fishes in the NLU museum progressed from 561 to 35,160. A substantial growth rate of nearly 2,500 lots yearly has been maintained and at present there are over 71,000 lots.

USES

The primary function of the Collection of Fishes is to support research efforts in the field of vertebrate zoology by undergraduates, graduate students, and faculty of Northeast Louisiana University and other universities, museums, state and federal agencies of North America and other countries.

The vast research collections have in more recent years

provided another service. In an attempt to slow the rate of decline of our animals, the federal government and many states have decreed certain species to be protected. Impact on the environment must now be assessed before alterations can be conducted. The multitude of fully documented specimens has provided an invaluable resource for environmentalists to assess faunistic changes, numbers, and relationships.

In the past 25 years (1969-1994) over 150 researchers from over 75 colleges, universities, museums and other agencies made visits to the Northeast Louisiana University campus specifically to use the research materials provided by the Collection of Fishes. In addition, thousands of specimens are loaned, exchanged or presented as gifts for scientific research each year. From 1962 to 1994 a total of 184 researchers from 119 institutions or agencies received materials from the Collection of Fishes. The museum material and/or personnel has been cited in over 118 professional publications.

HOLDINGS

The Collection of Fishes is one of the largest such collections in North America. It now contains 1,580,843 specimens, mostly from the central and southeastern United States. Additional exotic and marine specimens are represented by collections from Bangladesh, Caribbean Sea, Europe, Gulf of Mexico, Hawaiian coasts, Korea, Mexico, South America and Viet Nam. As of May 10, 1994, at least 8,158 collections have been processed and represent 1651 species and 71,279 cataloged lots. Collections have been made in all of the 50 states. Over 100 collections have been made from the freshwaters of Alabama, Indiana, Missouri, Oklahoma, and Virginia. Nearly 300 collections have been made from Texas and over 300 from North Carolina. Tennessee is represented by 454 collections while over 1,062 have been made in Mississippi, 2,177 in Arkansas and 2,745 in Louisiana.

The Collection of Fishes contains many species, now considered rare or endangered and houses 680 type specimens of 23 species.

The nomenclature used herein is, for the most part, that followed by C. Richard Robins, Reeve M. Bailey, Carl E. Bond, James R. Brooker, Ernest A. Lachner, Robert N. Lea and W. B. Scott in Common and Scientific Names of Fishes from the United States and Canada, Fifth Edition, 1991, and Joseph S. Nelson in Fishes of the World, Third Edition, 1994. Orders are arranged phylogenetically and families alphabetically within each order.

SPECIMEN ACQUISITION

While specimens in the Collection of Fishes are obtained from many sources, i.e. gifts and museum exchange programs, most are obtained as a result of the collecting efforts of graduate students pursuing their research.

Major studies involving river drainages which provided fishes and resulted in M.S. degree theses include the following: Bayou

Desiard (Ouachita River) Louisiana (Burton, 1965); Boeuf River (Ouachita River) Louisiana (Burnside, 1967); Dugdemona River (Little River) Louisiana (Yelverton, 1968); Saline River (Ouachita River) Arkansas (Reynolds, 1971 and Stackhouse, 1982); Caddo River (Ouachita River) Arkansas (Fruge, 1971 and L. Herrock, 1986); Strong River (Pearl River) Mississippi (Wallus, 1972); Cossatot River (Little River) Arkansas (Brantley, 1974); Big River (Meramec River) Missouri (Mills, 1975); Mid-Ouachita River (Black River) Arkansas (Raymond, 1975); Buffalo River (White River) Arkansas (Guidroz, 1975); Bogue Chitto River (Pearl River) Mississippi and Louisiana (Doshier, 1976 and Wise, 1988); Mill Creek (Washita River) Oklahoma (Binderim, 1976); Bayou Bartholomew (Ouachita River) Arkansas and Louisiana (Thomas, 1976 and Hutchins, 1988); Upper Ouachita River (Black River) Arkansas (Harris, 1977 and J. Herrock, 1986); Little Missouri River (Ouachita River) Arkansas (Myers, 1977 and Loe, 1982); Rolling Fork River (Little River) Arkansas (Corkern, 1978); Saline River (Little River) Arkansas (Johnson, 1978); Bayou Pierre (Mississippi River) Mississippi (Matthews, 1978); Sulphur River (Red River) Texas (Turner, 1978); Little River (Ouachita River) Louisiana (Anthony, 1979); Lower Ouachita River (Black River) Louisiana (Albritton, 1981); Bayou Deloutre (Ouachita River) Arkansas and Louisiana (Fontenot, 1981); Bayou D'Arbonne (Ouachita River) Louisiana (Wood, 1981); Upper Pearl River (Gulf of Mexico) Mississippi (Desonier, 1981); Little Red River (White River) Arkansas (Baldwin, 1983); Amite River (Lake Maurepas) Louisiana (Varney, 1983); Terre Noir Creek (Ouachita River) Arkansas (Ponder, 1985); Spring River (Black River) Arkansas and Missouri (Winters, 1985); Caney Creek (Little River) Louisiana (Stevens, 1986) and Homochitto River (Mississippi River) Mississippi (Farr, 1994).

Additional extensive surveys which provided specimens to the collection include: Thompsons Creek (Mississippi River) Louisiana (1979); Cypress Bayou (Red River) Texas (U.S. Army corps of Engineers, 1990-91); Yazoo River (Mississippi River) Mississippi (U.S. Army Corps of Engineers, 1991-92); Alum and Bread Creeks (Saline River) Arkansas (U.S. Forest Service, 1991-92); Brushey and Caney Creeks (Cossatot River) Arkansas (U.S. Forest Service, 1991-92); Dry and Jacks Creek (Petit Jean River) Arkansas (U.S. Forest Service, 1991-92 and Big Sunflower River (Yazoo River) Mississippi (U.S. Army Corps of Engineers, 1993-94).

A special feature associated with the museum are frequent collecting trips with the primary objective of obtaining specimens not presently included or perhaps poorly represented in the collection.

SPECIAL FEATURES

Even though the Collection of Fishes is world-wide in its coverage and is represented by 208 freshwater and marine families, its strength lies in the representation in the families Cyprinidae and Percidae of North America. The total lots of Cyprinidae and Percidae number over 37,954 or 54% of the collection total, while specimens of these two taxa number 1,241,389 or 78.5% of the

collection total.

In 1979 the museum obtained as a gift many specimens of fishes originally cataloged in the early collections of The American Museum of Natural History and the United States National Museum. The specimens, many collected in the Pacific Ocean by the research vessel Albatross and others from the freshwaters of Africa and Asia in the early 1900's, were discovered among the ruins and debris of an abandoned storage facility of a biological supply company. Collectors of this salvaged material included David Starr Jordan, Seth Meek, Gilbert, Starks, and others. Permission was granted to catalog these historic specimens into the museum collections of Northeast Louisiana University.

The Museum of Zoology has recently had placed in its care the larval fish collection of the Tennessee Valley Authority. This collection of larval fishes represents one of the largest such collections in North America. Over 6 million specimens in 19,000 jars are represented. The fishes were obtained during a 12-year study involving waters within the TVA jurisdiction which includes all or parts of the states of Tennessee, Mississippi, Alabama, Georgia, North Carolina, Virginia, and Kentucky.

The addition of the larval fish collection will add a valuable dimension to the existing collection of fishes. In evaluating water quality, including acid rain determination, increasing attention is being given to the more sensitive aquatic life forms, frequently lower food chain organisms. With this donation, many of the adult fishes are now represented by every life history stage. A reference collection of identified larval fishes will serve as an invaluable resource for the determination of water quality.

PHYSICAL FACILITIES

Freshwater specimens are phylogenetically and alphabetically arranged in 129 enclosed cabinets which provide protection from light and dust. Externally each cabinet provides family, genus and species documentation as well as recent synonyms. Type, rare, or otherwise special specimens are housed in a fireproof floor vault for their protection. The museum is centrally air-conditioned and heated and a diagrammatic directory is available for ease in locating specimens. Records housed in the museum office include collection records by state and river drainage, sequential catalog listings by museum number, fully documented index card references by species, and a computerized data retrieval system.

TYPE SPECIMENS

Erimystax x-punctatus	gravel chub	paratypes (1-3)
Lythurus snelsoni	Ouachita shiner	paratypes (1-11)
Nocomis platyrhynchus	bigmouth chub	paratypes (1-3)
Nocomis raneyi	bull chub	paratypes (1-6)
Notropis edwardraneyi	fluvial shiner	paratypes (1-100)
Notropis hubbsi	bluehead chub	paratypes (6-126)

Notropis suttkusi	rocky shiner	paratypes	(1-5)
Noturus stanauli	pygmy madtom	paratypes	(1-2)
Noturus taylori	Caddo madtom	paratopotypes	(7-95)
		paratypes	(17-21)
Etheostoma chuckwachatte	lipstick darter	paratypes	(1-2)
Etheostoma douglasi	Tuskaloosa darter	paratypes	(1-5)
Etheostoma collettei	creole darter	paratypes	(1-20)
Etheostoma etowahae	Etowah darter	paratypes	(1-2)
Etheostoma flavum	saffron darter	paratypes	(1-3)
Etheostoma olivaceum	sooty darter	paratypes	(1-6)
Etheostoma pyrrhogaster	firebelly darter	paratypes	(1-3)
Etheostoma scotti	Cherokee darter	paratypes	(1-6)
Etheostoma smithi	slabrock darter	paratypes	(1-13)
Etheostoma striatulum	striated darter	paratypes	(1-10)
Etheostoma zonistium	bandfin darter	paratypes	(1-19)
Percina aurora	pearl darter	paratypes	(7-21)
Percina austroperca	southern logperch	paratypes	(1-1)
Percina tanasi	snail darter	paratypes	(1-5)
Chasmodes bosquianus longimaxilla		paratypes	(1-1)
Cottus pygmaeus	pygmy sculpin	topotypes	(1-20)
		TOTAL	(26-703)

FEDERALLY ENDANGERED AND THREATENED SPECIES*

Oncorhynchus gilae	gila trout	endangered	(2-36)
Oncorhynchus tshawytscha	chinook salmon	threatened	(8-91)
Cyprinella monacha	spotfin chub	threatened	(4-15)
Erimystax cahni	slender chub	threatened	(2-40)
Gila ditaenia	Sonora chub	threatened	(2-10)
Gila elegans	bonytail chub	endangered	(1-1)
Gila robusta	roundtail chub	endangered	(8-52)
Lepidomeda mollispinis	virgin spinedace	threatened	(3-24)
Meda fulgida	spikedace	threatened	(7-172)
Phoxinus cumberlandensis	blackside dace	threatened	(2-16)
Plagopterus argentissimus	woundfin	endangered	(3-41)
Ptychocheilus lucius	Colorado squawfish	endangered	(3-5)
Tiaroga cobitis	loach minnow	threatened	(3-46)
Noturus flaviipinnis	yellowfin madtom	threatened	(1-1)
Amblyopsis rosae	Ozark cavefish	threatened	(3-4)
Cyprinodon boinus	Leon Spr. pupfish	endangered	(2-23)
Cyprinodon elegans	Comanche pupfish	endangered	(1-12)
Cyprinodon nevadensis	Amargosa pupfish	endangered	(1-5)
Gambusia heterochir	Clear Cr. Gambusia	endangered	(1-20)
Menidia extensa	Waccamaw silverside	threatened	(2-4)
Etheostoma boschungii	slackwater darter	threatened	(1-4)
Etheostoma fonticola	fountain darter	endangered	(3-67)
Etheostoma nianguae	Niangua darter	threatened	(2-3)
Etheostoma nuchale	watercress darter	endangered	(1-5)
Etheostoma okaloosae	Okaloos darter	endangered	(10-117)
Etheostoma rubrum	bayou darter	threatened	(22-120)
Percina antesella	amber darter	endangered	(5-15)
Percina jenkinsi	Conasauga darter	endangered	(2-12)
Percina pantherina	leopard darter	threatened	(8-20)
Percina rex	Roanoke logperch	endangered	(3-16)

Percina tanasi	snail darter	threatened (1-5)
Cottus pygmaeus	pygmy sculpin	threatened (1-20)

*Specimens collected prior to listing or as gifts from federal and state agencies, museums and universities.

ACKNOWLEDGEMENTS

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Additional thanks go the hundreds of students of vertebrate zoology and ichthyology who have provided many thousands of specimens while collecting during the past thirty-two years.

Special gratitude is expressed to Mary Cummings and Jimi Engler and Deirdra Venable for updating collection data.

NORTH AMERICAN FRESHWATER AND MARINE FISHES

ORDER MYXINIFORMES

MYXINIDAE

Eptatretus stouti

HAGFISHES

Pacific hagfish (1-1)

ORDER PETROMYZONTIFORMES

PETROMYZONTIDAE

Ichthyomyzon bdellium
Ichthyomyzon castaneus
Ichthyomyzon fossor
Ichthyomyzon gagei
Ichthyomyzon greeleyi
Ichthyomyzon unicuspis
Lampetra aepyptera
Lampetra appendix
Lampetra ayresi
Lampetra japonica
Lampetra richardsoni
Lampetra tridentata
Petromyzon marinus

LAMPREYS

Ohio lamprey (26-90)
chestnut lamprey (96-288)
northern brook lamprey (3-15)
southern brook lamprey (106-506)
mountain brook lamprey (2-6)
silver lamprey (1-1)
least brook lamprey (14-42)
American brook lamprey (15-73)
river lamprey (2-52)
Arctic lamprey (1-4)
western brook lamprey (1-1)
Pacific lamprey (7-15)
sea lamprey (5-18)

ORDER CHIMAERIFORMES

CHIMAERIDAE

Hydrolagus colliei

CHIMAERAS

spotted ratfish (4-7)

ORDER CARCHARHINIFORMES

CARCHARHINIDAE

Carcharhinus isodon
Carcharhinus leucas
Carcharhinus limbatus
Rhizoprionodon terraenovae

REQUIEM SHARKS

finetooth shark (2-3)
bull shark (1-1)
blacktip shark (1-3)
Atlantic sharpnose shark (3-4)

SCYLIORHINIDAE

Galeus arae

CAT SHARKS

cat shark (1-7)

TRIAKIDAE

Mustelus canis
Mustelus norrisi
Triakis semifasciata

HOUND SHARKS

smooth dogfish (4-13)
Florida smoothhound (2-5)
leopard shark (2-4)

ORDER SQUALIFORMES

DALATIIDAE	SLEEPER SHARKS	
<i>Etmopterus bullisi</i>		(1-1)
<i>Etmopterus virens</i>		(1-1)
SQUALIDAE	DOGFISH SHARKS	
<i>Squalus acanthias</i>	spiny dogfish	(1-2)

ORDER RAJIFORMES

DASYATIDAE	STINGRAYS	
<i>Dasyatis sabina</i>	Atlantic stingray	(6-10)
<i>Dasyatis say</i>	bluntnose stingray	(5-6)
GYMNURIDAE	BUTTERFLY RAYS	
<i>Gymnura micrura</i>	smooth butterfly ray	(2-4)
MYLIOBATIDAE	EAGLE RAYS	
<i>Myliobatis californica</i>	bat ray	(1-1)
<i>Rhinoptera bonasus</i>	cownose ray	(1-1)
NARCINIDAE		
<i>Narcine brasiliensis</i>	lesser electric ray	(2-32)
PRISTIDAE	SAWFISHES	
<i>Pristis pectinata</i>	smalltooth sawfish	(1-1)
RAJIDAE	SKATES	
<i>Gurgesiella sinomexicanus</i>		(1-1)
<i>Raja eglanteria</i>	clearnose skate	(1-1)
<i>Raja lentiginosa</i>	freckled skate	(1-8)
<i>Raja olseni</i>	spreadfin skate	(1-1)
<i>Raja texana</i>	roundel skate	(3-14)
RHINOBATIDAE	GUITARFISHES	
<i>Platyrhinoidis triseriata</i>	thornback	(2-2)
<i>Rhinobatos lentiginosus</i>	Atlantic guitarfish	(1-1)
TORPEDINIDAE	ELECTRIC RAYS	
<i>Torpedo nobiliana</i>	Atlantic torpedo	(2-2)
UROLOPHIDAE	ROUND STINGRAYS	
<i>Urolophus halleri</i>	round stingray	(2-2)
<i>Urolophus jamaicensis</i>	yellow stingray	(1-1)

ORDER ACIPENSERIFORMES

ACIPENSERIDAE	STURGEONS	
Acipenser fulvescens	lake sturgeon	(1-1)
Acipenser oxyrhynchus	Atlantic sturgeon	(10-30)
Acipenser transmontanus	white sturgeon	(2-5)
Scaphirhynchus albus	pallid sturgeon	(5-7)
Scaphirhynchys platyrhynchus	shovelnose sturgeon	(34-128)
POLYDONTIDAE	PADDLEFISHES	
Polyodon spathula	paddlefish	(47-381)

ORDER LEPISOSTEIFORMES

LEPISOSTEIDAE	GARS	
Lepisosteus oculatus	spotted gar	(131-235)
Lepisosteus osseus	longnose gar	(83-120)
Lepisosteus platostomus	shortnose gar	(59-126)
Lepisosteus platyrhincus	Florida gar	(2-3)
Lepisosteus spatula	alligator gar	(9-17)

ORDER AMIIFORMES

AMIIDAE	BOWFINS	
Amia calva	bowfin	(70-7576)

ORDER OSTEOGLOSSIFORMES

HIODONTIDAE	MOONEYES	
Hiodon alosoides	goldeye	(18-27)
Hiodon tergisus	mooneye	(25-45)

ORDER ELOPIFORMES

ELOPIDAE	TARPONS	
Elops saurus	ladyfish	(17-520)
Megalops atlanticus	tarpon	(3-7)

ORDER ANGUILLIFORMES

ANGUILLIDAE	FRESHWATER EELS	
Anguilla rostrata	American eel	(130-293)

CONGRIDAE	CONGER EELS	
Conger oceanicus	conger eel	(1-4)
Hildebrandia flava	yellow conger	(4-8)
MORINGUIDAE	SPAGHETTI EELS	
Moringua edwardsi	spaghetti eel	(1-6)
Neoconger mucronatus	ridged eel	(1-1)
MURAENIDAE	MORAYS	
Enchelycore nigricans	viper moray	(1-3)
Gymnothorax moringa	spotted moray	(1-1)
Gymnothorax nigromarginatus	blackedge moray	(6-24)
NEMICHTHYIDAE	SNIPE EELS	
Nemichthys scolopaceus	slender snipe eel	(1-1)
NETTASTOMATIDAE	DUCKBILL EELS	
Hoplunnis macrurus	freckled pike-conger	(2-10)
Hoplunnis tenuis	spotted pike-conger	(2-2)
OPHICHTHIDAE	SNAKE EELS	
Ahlia egmontis	key worm eel	(1-1)
Bascanichthys scuticaris	whip eel	(1-6)
Callechelys guiniensis	shorttail snake eel	(1-1)
Echiophis intertinctus	spotted spoon-nose eel	(1-1)
Echiophis punctifer	snapper eel	(1-1)
Myrichthys colubrinus		(1-1)
Myrophis punctatus	speckled worm eel	(15-46)
Ophichthus gomesi	shrimp eel	(3-5)
Ophichthus puncticeps	palespotted eel	(1-2)

ORDER CLUPEIFORMES

CLUPEIDAE	HERRINGS	
Alosa aestivalis	blueblack herring	(3-15)
Alosa alabamae	Alabama shad	(30-206)
Alosa chrysochloris	skipjack herring	(57-311)
Alosa mediocris	hickory shad	(2-6)
Alosa pseudoharengus	alewife	(6-58)
Alosa sapidissima	American shad	(5-85)
Brevoortia gunteri	finescale menhaden	(3-44)
Brevoortia patronus	gulf menhaden	(35-2955)
Brevoortia smithi	yellowfin menhaden	(1-45)
Brevoortia tyrannus	Atlantic menhaden	(5-73)
Clupea harengus	Atlantic herring	(3-11)
Dorosoma cepedianum	gizzard shad	(162-3278)
Dorosoma petenense	threadfin shad	(184-4157)
Etrumeus teres	round herring	(1-1)
Harengula jaguana	scaled sardine	(12-148)

Clupeidea continued

Jenkinsia stolifera	shortband herring	(1-1)
Opisthonema oglinum	Atlantic thread herring	(7-17)
Sardinella aurita	Spanish sardine	(1-14)

ENGRAULIDAE

Anchoa compressa
 Anchoa cubana
 Anchoa delicatissima
 Anchoa hepsetus
 Anchoa lyolepis
 Anchoa mitchilli
 Anchoa nasuta
 Anchoviella perfasciata
 Engraulis mordax

ANCHOVIES

deepbody anchovy (1-1)
 Cuban anchovy (1-5)
 slough anchovy (1-1)
 striped anchovy (23-552)
 dusky anchovy (2-145)
 bay anchovy (89-9744)
 longnose anchovy (1-1)
 flat anchovy (1-1)
 northern anchovy (2-4)

ORDER CYPRINIFORMES

CATOSTOMIDAE

Carpiodes carpio
 Carpiodes cyprinus
 Carpiodes velifer
 Catostomus ardens
 Catostomus catostomus
 Catostomus clarki
 Catostomus columbianus
 Catostomus commersoni
 Catostomus discobolus
 Catostomus insignis
 Catostomus latipinnis
 Catostomus macrocheilus
 Catostomus occidentalis
 Catostomus platyrhynchus
 Catostomus plebeius
 Cycleptus elongatus
 Erimyzon oblongus
 Erimyzon sucetta
 Erimyzon tenuis
 Hypentelium etowanum
 Hypentelium nigricans
 Hypentelium roanokense
 Ictiobus bubalus
 Ictiobus cyprinellus
 Ictiobus niger
 Minytrema melanops
 Moxostoma anisurum
 Moxostoma ariomnum
 Moxostoma atripinne
 Moxostoma carinatum

SUCKERS

river carpsucker (179-2422)
 quillback (21-64)
 highfin carpsucker (63-311)
 Utah sucker (2-10)
 longnose sucker (14-77)
 desert sucker (9-172)
 bridgelip sucker (1-13)
 white sucker (140-1167)
 bluehead sucker (4-42)
 Sonora sucker (8-83)
 flannelmouth sucker (4-26)
 largescale sucker (2-25)
 Sacramento sucker (8-129)
 mountain sucker (8-29)
 Rio Grande sucker (6-28)
 blue sucker (18-61)
 creek chubsucker (363-1645)
 lake chubsucker (80-879)
 sharpfin chubsucker (104-504)
 Alabama hog sucker (63-494)
 northern hog sucker (691-4116)
 Roanoke hog sucker (19-125)
 smallmouth buffalo (77-556)
 bigmouth buffalo (49-338)
 black buffalo (20-41)
 spotted sucker (316-1587)
 silver redhorse (5-7)
 bigeye jumprock (3-11)
 blackfin sucker (2-17)
 river redhorse (45-195)

Catostomidae continued

Moxostoma cervinum	black jumprock	(15-78)
Moxostoma congestum	gray redhorse	(10-26)
Moxostoma duquesnei	black redhorse	(165-762)
Moxostoma erythrurum	golden redhorse	(199-1469)
Moxostoma hamiltoni	rustyside sucker	(6-24)
Moxostoma lachneri	greater jumprock	(3-23)
Moxostoma macrolepidotum	shorthead redhorse	(25-213)
Moxostoma pappillosum	v-lip redhorse	(8-155)
Moxostoma poecilurum	blacktail redhorse	(298-1055)
Moxostoma rhothoecum	torrent sucker	(2-11)
Moxostoma robustum	smallfin redhorse	(9-72)
Moxostoma rupiscartes	striped jumprock	(23-46)
Xyrauchen texanus	razorback sucker	(1-1)

COBITIDAE

Misgurnus
 anguillicaudatus

LOACHES

oriental weatherfish (1-34)

CYPRINIDAE

Acrocheilus alutaceus
 Agosia chrysogaster
 Campostoma anomalum
 Campostoma oligolepis
 Campostoma ornatum
 Carassius auratus
 Clinostomus elongatus
 Clinostomus funduloides
 Couesius plumbeus
 Ctenopharyngodon idella
 Cyprinella analostana
 Cyprinella caerulea
 Cyprinella callisema
 Cyprinella callistia
 Cyprinella callitaenia
 Cyprinella camura
 Cyprinella chloristia
 Cyprinella galactura
 Cyprinella gibbsi
 Cyprinella labrosa
 Cyprinella leedsi
 Cyprinella lutrensis
 Cyprinella monacha
 Cyprinella nivea
 Cyprinella proserpina
 Cyprinella pyrrhomelas
 Cyprinella spiloptera
 Cyprinella trichroistia
 Cyprinella venusta
 Cyprinella whipplei
 Cyprinella xaenura

MINNOWS

chiselmouth (5-31)
 longfin dace (11-170)
 central stoneroller (1250-40238)
 largescale stoneroller (7-203)
 Mexican stoneroller (3-167)
 goldfish (20-300)
 redbside dace (16-144)
 rosyside dace (186-5077)
 lake shub (7-26)
 grass carp (6-82)
 satinfin shiner (34-861)
 blue shiner (34-861)
 Ocmulgee shiner (5-34)
 Alabama shiner (30-633)
 bluestripe shiner (2-6)
 bluntface shiner (225-19480)
 greenfin shiner (9-35)
 whitetail shiner (271-7693)
 Tallapoosa shiner (13-488)
 thicklip shiner (7-75)
 bannerfin shiner (8-103)
 red shiner (477-62333)
 spotfin chub (4-15)
 whitefin shiner (15-227)
 proserpine shiner (19-1622)
 fieryblack shiner (9-378)
 spotfin shiner (146-6263)
 tricolor shiner (29-849)
 blacktail shiner (725-64257)
 steelcolor shiner (424-12274)
 Altamaha shiner (2-3)

Cyprinidae continued

Cyprinella zanema	Santee chub	(3-29)
Cyprinus carpio	common carp	(133-784)
Dionda argentosa	Manantial roundnose minnow	(12-6623)
Dionda episcopa	roundnose minnow	(7-345)
Erimystax cahni	slender chub	(2-40)
Erimystax dissimilis	streamline chub	(72-831)
Erimystax harryi	Ozark chub	(69-1213)
Erimystax insignis	blotched chub	(88-909)
Erimystax x-punctatus*	gravel chub	(165-3982)
Exoglossum laurae	tonguetied minnow	(2-5)
Exoglossum maxillingua	cutlips minnow	(13-76)
Gila atraria	Utah chub	(5-22)
Gila copei	leatherside chub	(2-41)
Gila ditaenia	Sonora chub	(2-10)
Gila elegans	bonytail	(1-1)
Gila pandora	Rio Grande Chub	(4-43)
Gila robusta	roundtail chub	(8-52)
Hemitremia flammea	flame chub	(9-129)
Hesperoleucus symmetricus	California roach	(2-9)
Hybognathus argyritis	western silvery minnow	(5-64)
Hybognathus hankinsoni	brassy minnow	(14-336)
Hybognathus hayi	cypress minnow	(192-6457)
Hybognathus nuchalis	Mississippi silvery minnow	(554-41505)
Hybognathus placitus	plains minnow	(13-906)
Hybognathus regius	eastern silvery minnow	(7-54)
Hypophthalmichthys molitrix	silver carp	(3-14)
Lavinia exilicauda	hitch	(1-3)
Lepidomeda mollispinis	Virgin spinedace	(3-24)
Luxilus albeolus	white shiner	(30-1000)
Luxilus cardinalis	cardinal shiner	(10-514)
Luxilus cerasinus	crescent shiner	(42-1486)
Luxilus chrysocephalus	striped shiner	(1003-26590)
Luxilus coccogenis	warpaint shiner	(91-2287)
Luxilus cornutus	common shiner	(98-4202)
Luxilus pilsbryi	duskystripe shiner	(176-36698)
Luxilus zonatus	bleeding shiner	(150-12258)
Luxilus zonistius	bandfin shiner	(4-61)
Lythrurus ardens	rosefin shiner	(143-8811)
Lythrurus bellus	pretty shiner	(60-1381)
Lythrurus fumeus	ribbon shiner	(423-21981)
Lythrurus lirus	mountain shiner	(27-353)
Lythrurus roseipinnis	cherryfin shiner	(333-10373)
Lythrurus snelsoni*	Ouachita shiner	(6-35)
Lythrurus umbratilis	redfin shiner	(831-24323)
Macrhybopsis aestivalis	speckled chub	(296-13290)
Macrhybopsis meeki	sicklefin chub	(5-25)
Macrhybopsis storeriana	silver chub	(209-3530)

*Includes Type Specimens

Cyprinidae continued

Margariscus margarita	pearl dace	(5-32)
Meda fulgida	spikedace	(7-172)
Mylocheilus caurinus	peamouth	(10-280)
Mylopharodon conocephalus	hardhead	(1-2)
Nocomis asper	redspot chub	(16-93)
Nocomis biguttatus	hornyhead chub	(161-1221)
Noconis effusus	redtail chub	(4-64)
Nocomis leptocephalus	bluehead chub	(433-5688)
Nocomis micropogon	river chub	(107-1729)
Nocomis platyrhynchus*	bigmouth chub	(6-68)
Nocomis raneyi*	bull chub	(12-464)
Notemigonus crysoleucas	golden shiner	(392-5328)
Notropis alborus	whitemouth shiner	(15-65)
Notropis altipinnis	highfin shiner	(12-145)
Notropis amabilis	Texas shiner	(17-381)
Notropis amblops	bigeye chub	(331-8432)
Notropis ammophilus	orangehead shiner	(32-908)
Notropis amnis	pallid shiner	(265-4197)
Notropis amoenus	comely shiner	(5-22)
Notropis anogenus	pugnose shiner	(1-1)
Notropis ariommus	popeye shiner	(141-7080)
Notropis asperifrons	burrhead shiner	(8-20)
Notropis atherinoides	emerald shiner	(628-73574)
Notropis atrocaudalis	blackspot shiner	(110-1162)
Notropis baileyi	rough shiner	(37-1389)
Notropis bairdi	Red River shiner	(2-201)
Notropis bifrenatus	bridle shiner	(4-27)
Notropis blennius	river shiner	(37-1396)
Notropis boops	bigeye shiner	(587-39763)
Notropis braytoni	Tamaulipas shiner	(2-350)
Notropis buccatus	silverjaw minnow	(270-5378)
Notropis buechanani	ghost shiner	(185-10188)
Notropis chalybaeus	ironcolor shiner	(114-1031)
Notropis chihuahua	Chihuahua shiner	(2-46)
Notropis chiliticus	redlip shiner	(32-1524)
Notropis chlorocephalus	greenhead shiner	(38-243)
Notropis chrosomus	rainbow shiner	(20-1949)
Notropis cummingsae	dusky shiner	(25-363)
Notropis dorsalis	bigmouth shiner	(24-527)
Notropis edwardraneyi*	fluvial shiner	(7-412)
Notropis girardi	Arkansas River shiner	(7-553)
Notropis greenei	wedgespot shiner	(150-10086)
Notropis harperi	redu eye chub	(10-378)
Notropis heterodon	blackchin shiner	(4-137)
Notropis heterolepis	blacknose shiner	(6-173)
Notropis hubbsi*	bluehead shiner	(100-1785)
Notropis hudsonius	spottail shiner	(43-817)
Notropis hypsilepis	highscale shiner	(5-30)

*Includes Type Specimens

Cyprinidae continued

Notropis hypsinotus	highback chub	(12-87)
Notropis jemezianus	Rio Grande shiner	(2-50)
Notropis leuciodus	Tennessee shiner	(90-5168)
Notropis lineapunctatus	lined chub	(6-159)
Notropis longirostris	longnose shiner	(608-41725)
Notropis lutipinnis	yellowfin shiner	(37-828)
Notropis maculatus	taillight shiner	(189-14792)
Notropis nubilus	Ozark minnow	(219-25188)
Notropis ortenburgeri	Kiamichi shiner	(22-812)
Notropis oxyrhynchus	sharpnose shiner	(1-1)
Notropis ozarcanus	Ozark shiner	(57-417)
Notropis perpallidus	peppered shiner	(59-344)
Notropis petersoni	coastal shiner	(32-832)
Notropis photogenis	silver shiner	(55-1169)
Notropis potteri	chub shiner	(45-8167)
Notropis procne	swallowtail shiner	(23-216)
Notropis rafinesquei	Yazoo shiner	(2-6)
Notropis rubellus	rosyface shiner	(376-17947)
Notropis rubescens	rosyface chub	(19-229)
Notropis rubricroceus	saffron shiner	(30-3782)
Notropis sabiniae	Sabine shiner	(139-3130)
Notropis scabriceps	New River shiner	(10-171)
Notropis szepticus	sandbar shiner	(14-247)
Notropis serratulus	sawfin shiner	(8-204)
Notropis shumardi	silverband shiner	(74-9587)
Notropis spectrunculus	mirror shiner	(12-286)
Notropis stilbius	silverstripe shiner	(53-1122)
Notropis stramineus	sand shiner	(138-5372)
Notropis suttkusi*	rocky shiner	(1-5)
Notropis telescopus	telescope shiner	(137-5497)
Notropis texanus	weed shiner	(838-32192)
Notropis topeka	Topeka shiner	(5-77)
Notropis uranoscopus	skygazer shiner	(2-16)
Notropis volucellus	mimic shiner	(667-23062)
Notropis winchelli	clear chub	(189-3098)
Notropis xaenocephalus	Coosa shiner	(19-411)
Opsopoeodus emiliae	pugnose minnow	(502-6813)
Orthodon microlepidotus	Sacramento blackfish	(1-3)
Phenacobius catostomus	riffle minnow	(20-1339)
Phenacobius crassilabrum	fatlips minnow	(3-5)
Phenacobius mirabilis	suckermouth minnow	(71-677)
Phenacobius teretulus	Kanawha minnow	(8-33)
Phenacobius uranops	stargazing minnow	(81-545)
Phoxinus cumberlandensis	blackside dace	(2-16)
Phoxinus eos	northern redbelly dace	(4-42)
Phoxinus erythrogaster	southern redbelly dace	(155-7072)
Phoxinus neogaeus	finescale dace	(4-156)
Phoxinus oreas	mountain redbelly dace	(27-501)

*Includes Type Specimens

Cyprinidae continued

Pimephales notatus	bluntnose minnow	(673-22083)
Pimephales promelas	fathead minnow	(83-516)
Pimephales tenellus	slim minnow	(59-370)
Pimephales vigilax	bullhead minnow	(707-28254)
Plagopterus argentissimus	woundfin	(3-41)
Platygobio gracilis	flathead chub	(21-525)
Pteronotropis hypselopterus	sailfin shiner	(31-1563)
Pteronotropis signipinnis	flagfin shiner	(36-767)
Pteronotropis welaka	bluenose shiner	(21-438)
Ptychocheilus grandis	Sacramento squawfish	(6-184)
Ptychocheilus lucius	Colorado squawfish	(3-5)
Ptychocheilus oregonensis	northern squawfish	(12-99)
Ptychocheilus umpqua	Umpqua squawfish	(1-1)
Rhinichthys atratulus	blacknose dace	(178-8840)
Rhinichthys cataractae	longnose dace	(70-785)
Rhinichthys cobitis	loach minnow	(3-46)
Rhinichthys falcatus	leopard dace	(1-10)
Rhinichthys osculus	speckled dace	(13-275)
Richardsonius balteatus	redside shiner	(10-186)
Richardsonius egregius	Lahontan redside	(2-15)
Semotilus atromaculatus	creek chub	(959-14057)
Semotilus corporalis	fallfish	(19-216)
Semotilus lumbee	sandhills chub	(2-12)
Semotilus thoreauianus	Dixie chub	(5-217)
Tinca tinca	tench	(5-15)

ORDER CHARACIFORMES

CHARACIDAE

Astyanax mexicanus

CHARACINS

Mexican tetra (24-140)

ORDER SILURIFORMES

ARIIDAE

Arius felis
Bagre marinus

SEA CATFISHES

hardhead catfish (43-329)
gafftopsail catfish (22-61)

CLARIIDAE

Clarias batrachus

LABYRINTH CATFISHES

walking catfish (1-6)

ICTALURIDAE

Ameiurus brunneus
Ameiurus catus
Ameiurus melas
Ameiurus natalis
Ameiurus nebulosus

BULLHEAD CATFISHES

snail bullhead (6-55)
white catfish (6-16)
black bullhead (184-1547)
yellow bullhead (409-1952)
brown bullhead (33-94)

Ictaluridae continued

Ameiurus platycephalus	flat bullhead	(5-12)
Ameiurus serracanthus	spotted bullhead	(2-4)
Ictalurus furcatus	blue catfish	(149-610)
Ictalurus lupus	headwater catfish	(2-6)
Ictalurus punctatus	channel catfish	(326-6508)
Noturus albater	Ozark madtom	(114-2989)
Noturus elegans	elegant madtom	(19-177)
Noturus eleutherus	mountain madtom	(161-2990)
Noturus exilis	slender madtom	(208-2226)
Noturus flavater	checkered madtom	(30-1510)
Noturus flavipinnis	yellowfin madtom	(1-1)
Noturus flavus	stonecat	(40-204)
Noturus funebris	black madtom	(85-511)
Noturus furiosus	Carolina madtom	(2-11)
Noturus gilberti	orange-fin madtom	(2-5)
Noturus gyrinus	tadpole madtom	(455-4929)
Noturus hildebrandi	least madtom	(62-2192)
Noturus insignis	margined madtom	(72-469)
Noturus lachneri	Ouachita madtom	(32-105)
Noturus leptacanthus	speckled madtom	(407-5302)
Noturus miurus	brindled madtom	(534-7240)
Noturus munitus	frecklebelly madtom	(98-1926)
Noturus nocturnus	freckled madtom	(679-6972)
Noturus phaeus	brown madtom	(222-1352)
Noturus placidus	Neosho madtom	(2-16)
Noturus stanauli*	pygmy madtom	(1-2)
Noturus stigmosus	northern madtom	(2-5)
Noturus taylori*	Caddo madtom	(77-1308)
Pylodictis olivaris	flathead catfish	(161-847)
Satan eurystomus	widemouth blindcat	(1-1)
Trogloglanis pattersoni	toothless blindcat	(1-1)

ORDER ESOCIFORMES

ESOCIDAE

Esox a. americanus
Esox a. vermiculatus
Esox lucius
Esox masquinongy
Esox niger

PIKES

redfin pickerel	(101-438)
grass pickerel	(194-1098)
northern pike	(13-117)
muskellunge	(2-4)
chain pickerel	(191-1274)

UMBRIDAE

Dallia pectoralis
Novumbra hubbsi
Umbra limi
Umbra pygmaea

MUDMINNONS

Alaska blackfish	(2-7)
Olympic mudminnow	(1-3)
central mudminnow	(21-192)
eastern mudminnow	(10-76)

*Includes Type Specimens

ORDER OSMERIFORMES

ALEPOCEPHALIDAE		
Xenodermichthys copei	SLICKHEADS slickhead	(1-1)
OSMERIDAE		
Hypomesus olidus	SMELTS pond smelt	(3-29)
Hypomesus pretiosus	surf smelt	(1-1)
Hypomesus transpacificus	delta smelt	(1-1)
Mallotus catervarius		(1-1)
Mallotus villosus	capelin	(1-1)
Osmerus mordax	rainbow smelt	(4-7)
Spirinchus starksi	night smelt	(3-3)
Spirinchus thaleichthys	longfin smelt	(1-6)
Thaleichthys pacificus	eulachon	(7-40)

ORDER SALMONIFORMES

SALMONIDAE		
Coregonus artedi	TROUTS cisco	(1-1)
Coregonus hoyi	bloater	(1-3)
Coregonus johanna	deepwater cisco	(1-1)
Coregonus sardinella	least cisco	(3-46)
Coregonus zenithicus	shortjaw cisco	(1-1)
Oncorhynchus aguabonita	golden trout	(3-6)
Oncorhynchus clarki	cutthroat trout	(4-15)
Oncorhynchus gilae	Gila trout	(2-36)
Oncorhynchus gorbuscha	pink salmon	(1-4)
Oncorhynchus keta	chum salmon	(2-28)
Oncorhynchus kisutch	coho salmon	(10-364)
Oncorhynchus mykiss	rainbow salmon	(38-227)
Oncorhynchus nerka	sockeye salmon	(10-181)
Oncorhynchus tshawytscha	chinook salmon	(8-91)
Prosopium coulteri	pygmy whitefish	(3-18)
Prosopium cylindraceum	round whitefish	(1-38)
Prosopium gemmifer	Bonneville cisco	(1-7)
Prosopium williamsoni	mountain whitefish	(9-25)
Salmo salar	Atlantic salmon	(3-8)
Salmo trutta	brown trout	(10-83)
Salvelinus alpinus	Arctic char	(1-2)
Salvelinus fontinalis	brook trout	(13-64)
Salvelinus malma	Dolly Varden	(2-6)
Salvelinus namaycush	lake trout	(1-1)
Thymallus arcticus	Arctic grayling	(4-7)

ORDER STOMIIFORMES

STOMIIDAE

Chauliodus macouni
Tactostoma macropus

DRAGONFISHES

Pacific viperfish (1-1)
longfin dragonfish (1-1)

ORDER AULOPIIFORMES

CHLOROPHTHALMIDAE

Chlorophthalmus agassizi
Parasudis truculenta

GREENEYES

shortnose greeneye (1-6)
longnose greeneye (1-1)

SYNODONTIDAE

Saurida brasiliensis
Synodus foetens
Synodus lucioceps
Synodus poeyi
Trachinocephalus myops

LIZARDFISHES

largescale lizardfish (1-1)
inshore lizardfish (19-84)
California lizardfish (2-10)
offshore lizardfish (1-8)
snakefish (1-2)

ORDER MYCTOPHIFORMES

MYCTOPHIDAE

Myctophum nitidulum

LANTERNFISHES

lanternfish (1-5)

ORDER PERCOPSIFORMES

AMBLYOPSIDAE

Amblyopsis rosae
Chologaster agassizi
Chologaster cornuta
Typhlichthys subterraneus

CAVEFISHES

Ozark cavefish (3-4)
spring cavefish (5-38)
swampfish (10-202)
southern cavefish (17-20)

APHREDODERIDAE

Aphredoderus sayanus

PIRATE PERCHES

pirate perch (376-710)

PERCOPSIDAE

Percopsis omiscomaycus

TROUT-PERCHES

trout-perch (15-104)

ORDER OPHIDIIFORMES

BYTHITIDAE

Brosmophycis marginata

VIVIPAROUS BROTULAS

red brotula (1-1)

OPHIDIIDAE

Brotula barbata
 Chilara taylori
 Lepophidium brevibarbe
 Lepophidium jeannae
 Neobythites gilli
 Neobythites marginatus
 Ophidion holbrooki
 Ophidion marginatum
 Ophidion scrippsae
 Ophidion welshi

CUSK-EELS

bearded brotula (4-8)
 spotted cusk-eel (2-6)
 blackedge cusk-eel (4-24)
 mottled cusk-eel (2-3)
 bank cusk-eel (1-9)
 striped cusk-eel (4-12)
 (1-2)
 basketweave cusk-eel (1-1)
 crested cusk-eel (2-4)

ORDER GADIFORMES

GADIDAE

Gadus morhua
 Laemonema barbatulum
 Lota lota
 Merluccius bilinearis
 Microgadus proximus
 Phycis regius
 Theragra chalcogramma

CODFISHES

Atlantic cod (1-2)
 (1-3)
 burbot (2-6)
 silver hake (1-1)
 Pacific tomcod (2-4)
 (1-66)
 walleye pollock (1-4)

MACROURIDAE

Caelorinchus caribbaeus
 Nezumia bairdi

GRENADIERS

blackfin grenadier (1-4)
 marlin-spike (1-5)

PHYCIDAE

Urophycis cirrata
 Urophycis floridana
 Urophycis regia

PHYCID HAKES

gulf hake (2-4)
 southern hake (19-161)
 spotted hake (3-25)

STEINDACHNERIIDAE

Steindachneria argentea

LUMINOUS HAKES

luminous hakes (1-1)

ORDER BATRACHOIDIFORMES

BATRACHOIDIDAE

Opsanus beta
 Opsanus tau
 Porichthys myriaster
 Porichthys notatus
 Porichthys plectrodon
 Porichthys porosissimus

TOADFISHES

gulf toadfish (20-66)
 oyster toadfish (4-5)
 specklefin midshipman (1-1)
 plainfin midshipman (2-4)
 Atlantic midshipman (8-39)
 (10-47)

ORDER LOPHIIFORMES

ANTENNARIIDAE

Antennarius ocellatus
 Antennarius radiosus
 Antennarius scaber
 Histrion histrio

FROGFISHES

ocellated frogfish (3-3)
 singlespot frogfish (9-51)
 splitlure frogfish (1-3)
 sargassumfish (1-1)

OGCOEPHALIDAE

Dibranchius atlanticus
 Halieutichthys aculeatus
 Ogcocephalus cubifrons
 Ogcocephalus nasutus
 Ogcocephalus parvus
 Ogcocephalus radiatus
 Ogcocephalus vesperitilo
 Zalieutes mcgintyi

BATFISHES

Atlantic batfish (1-16)
 pancake batfish (6-82)
 shortnose batfish (1-3)
 roughback batfish (2-2)
 polka-dot batfish (1-4)
 longnose batfish (1-1)
 tricorn batfish (2-5)
 (1-4)

ORDER MUGILIFORMES

MUGILIDAE

Agonostomus monticola
 Mugil cephalus
 Mugil curema

MULLETS

mountain mullet (3-5)
 striped mullet (93-4106)
 white mullet (25-266)

ORDER ATHERINIFORMES

ATHERINIDAE

Atherinomorus stipes
 Atherinops affinis
 Atherinopsis californiensis
 Labidesthes sicculus
 Leuresthes tenuis
 Membras martinica
 Menidia beryllina
 Menidia extensa
 Menidia menidia

SILVERSIDES

hardhead silverside (1-50)
 topsmelt (3-8)
 jacksmelt (4-9)
 brook silverside (349-35018)
 California grunion (2-14)
 rough silverside (1-1)
 inland silverside (197-10717)
 Waccamaw silverside (2-4)
 Atlantic silverside (3-112)

ORDER BELONIFORMES

BELONIDAE

Strongylura exilis
 Strongylura marina

NEEDLEFISHES

California needlefish (1-1)
 Atlantic needlefish (34-115)

EXOCOETIDAE

Cypselurus cyanopterus

FLYINGFISHES

margined flyingfish (1-1)

Exocoetidae continued

Cypselurus hubbsi	blotchwing flyingfish	(1-1)
Cypselurus melanurus	Atlantic flyingfish	(1-1)
Fodiator acutus	sharpchin flyingfish	(1-1)
Hirundichthys rondeleti	blackwing flyingfish	(1-9)
Parexocoetus brachypterus	sailfin flyingfish	(1-1)

HEMIRAMPHIDAE

Hyporhamphus unifasciatus

HALFBEAKS

silverstripe halfbeak (2-2)

ORDER CYPRINODONTIFORMES

CYPRINODONTIDAE

Cyprinodon bovinus	Leon Springs pupfish	(2-23)
Cyprinodon elegans	Comanche Springs pupfish	(1-12)
Cyprinodon eximius	Conchos pupfish	(2-16)
Cyprinodon hubbsi	Lake Eustis minnow	(3-44)
Cyprinodon nevadensis	Amargosa pupfish	(1-5)
Cyprinodon rubrofluviatilis	Red River pupfish	(8-244)
Cyprinodon variegatus	sheepshead minnow	(50-3551)
Floridichthys carpio	goldspotted killifish	(1-20)
Jordanella floridae	flagfish	(3-25)

PUPFISHES

FUNDULIDAE

Adinia xenica	diamond killifish	(14-143)
Fundulus bifax	stippled studfish	(2-23)
Fundulus blairae	Blair's starhead topminnow	(36-318)
Fundulus catenatus	northern studfish	(478-10478)
Fundulus chrysotus	golden topminnow	(314-10545)
Fundulus cingulatus	banded topminnow	(1-17)
Fundulus confluentus	marswh killifish	(13-147)
Fundulus diaphanus	banded killifish	(12-249)
Fundulus dispar	starhead topminnow	(83-1118)
Fundulus euryzonus	broadstripe topminnow	(27-255)
Fundulus grandis	gulf killifish	(56-878)
Fundulus heteroclitus	mummichog	(3-55)
Fundulus jenkinsi	saltmarsh topminnow	(5-19)
Fundulus lineolatus	lined topminnow	(10-66)
Fundulus majalis	striped killifish	(10-66)
Fundulus notatus	blackstripe topminnow	(394-5628)
Fundulus notti	bayou topminnow	(239-2827)
Fundulus olivaceus	blackspotted topminnow	(477-4363)
Fundulus parvipinnis	California killifish	(4-6)
Fundulus pulvereus	bayou killifish	(6-86)
Fundulus rathbuni	speckled killifish	(4-27)
Fundulus sciadicus	plains topminnow	(2-10)
Fundulus seminolis	Seminole killifish	(13-440)
Fundulus similis	longnose killifish	(46-896)
Fundulus stellifer	southern studfish	(26-390)

TOPMINNOWS AND KILLIFISHES

Fundulidae continued

Fundulus waccamensis	Waccamaw killifish	(4-50)
Fundulus zebrinus	plains killifish	(26-953)
Leptolucania ommata	pygmy killifish	(3-25)
Lucania goodei	bluefin killifish	(12-417)
Lucania parva	rainwater killifish	(32-1481)

POECILIIDAE

Gambusia affinis	LIVEBEARERS	
Gambusia heterochir	western mosquitofish	(380-23658)
Gambusia holbrooki	Clear Creek gambusia	(1-20)
Gambusia senilis	eastern mosquitofish	(2-30)
Heterandria bimaculata	blotched gambusia	(1-6)
Heterandria formosa		(1-10)
Mollienesia velifera	least killifish	(36-704)
Poecilia latipinna		(1-25)
Poecilia mexicana	sailfin molly	(121-11075)
Xiphophorus helleri	shortfin molly	(1-2)
Xiphophorus maculatus	green swordtail	(1-4)
Xiphophorus variatus	southern platyfish	(2-210)
	variable platyfish	(1-18)

ORDER BERYCIFORMES

HOLOCENTRIDAE

Holocentrus rufus	SQUIRRELFISHES	
Holocentrus vexillarius	longspine squirrelfish	(1-1)
	dusky squirrelfish	(1-12)

TRACHICHTHYIDAE

Hoplostethus accidentalus	ROUGHIES	(1-11)
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ORDER GASTEROSTEIFORMES

GASTEROSTEIDAE

Apeltes quadracus	STICKLEBACKS	
Aulorhynchus flavidus	fourspine stickleback	(4-15)
Culaea inconstans	tube-snout	(1-1)
Gasterosteus aculeatus	brook stickleback	(10-310)
Gasterosteus wheatlandi	threespine stickleback	(3-20)
Pungitius pungituis	blackspotted stickleback	(1-1)
	ninespine stickleback	(2-24)

SYNGNATHIDAE

Cosmocampus albirostris	PIPEFISHES AND SEAHORSES	
Hippocampus erectus	whitenose pipefish	(1-6)
Hippocampus zosterae	lined seahorse	(13-47)
Syngnathus floridae	dwarf pipefish	(2-108)
Syngnathus fuscus	dusky pipefish	(10-26)
Syngnathus leptorhynchus	northern pipefish	(5-39)
	bay pipefish	(1-2)

Syngnathidae continued

Syngnathus louisianae	chain pipefish	(6-19)
Syngnathus scovelli	gulf pipefish	(32-326)
Syngnathus springeri	bull pipefish	(1-2)

ORDER SCORPAENIFORMES

AGONIDAE		POACHERS
BathYGONUS infraspINATUS	spinycheek starsnout	(1-1)
ANOPLOPOMATIDAE		SABLEFISHES
Anoplopoma fimbria	sablefish	(3-5)
COTTIDAE		SCULPINS
ArteDiellus atlanticus	Atlantic hookear sculpin	(1-4)
ArteDius fenestralis	padded sculpin	(1-3)
ArteDius lateralis	smoothhead sculpin	(2-6)
ArteDius notospilotus	bonehead sculpin	(4-6)
Ascelichthys rhodorus	rosylip sculpin	(1-2)
Blepsias cirrhosus	silverspotted sculpin	(1-9)
Chitonotus pugetensis	roughback sculpin	(2-26)
Clinocottus analis	wolly sculpin	(14-238)
Cottus aleuticus	coastrange sculpin	(3-13)
Cottus asper	prickly sculpin	(5-41)
Cottus baileyi	black sculpin	(1-1)
Cottus bairdi	mottled sculpin	(117-2749)
Cottus beldingi	Paiute sculpin	(4-20)
Cottus carolinae	banded sculpin	(315-5205)
Cottus cognatus	slimy sculpin	(13-222)
Cottus confusus	shorthead sculpin	(3-22)
Cottus extensus	Bear Lake sculpin	(1-15)
Cottus hypselurus	Ozark sculpin	(1-1)
Cottus perplexus	reticulate sculpin	(1-20)
Cottus pygmaeus*	pygmy sculpin	(1-20)
Cottus rhotheus	torrent sculpin	(2-16)
Dasycottus setiger	spinyhead sculpin	(1-1)
Enophrys bison	buffalo sculpin	(1-2)
Icelinus cavifrons	pit-head sculpin	(1-5)
Icelinus quadriseriatus	yellowchin sculpin	(2-4)
Leptocottus armatus	Pacific staghorn sculpin	(6-23)
Myoxocephalus aeneus	grubby	(4-15)
Myoxocephalus		(1-1)
polyacanthocephalus	great sculpin	
Oligocottus maculosus	tidepool sculpin	(5-36)
Psychrolutes paradoxus	tadpole sculpin	(4-31)
Radulinus asprellus	slim sculpin	(1-1)
Scorpaenichthys marmoratus	cabezon	(2-3)

*Includes Type Specimens

HEXAGRAMMIDAE

Hexagrammos decagrammus
Hexagrammos stelleri
Ophiodon elongatus
Zaniolepis frenata
Zaniolepis latipinnis

GREENLINGS

kelp greenling (2-5)
whitespotted greenling (1-1)
lingcod (2-8)
shortspine combfish (1-2)
longspine combfish (4-6)

SCORPAENIDAE

Pontinus longispinis
Scorpaena agassizi
Scorpaena calcarata
Scorpaena guttata
Scorpaena plumieri
Sebastea auriculatus
Sebastes dalli
Sebastes flavidus
Sebastes paucispinis
Sebastes serriceps
Sebastes umbrosus

SCORPIONFISHES

longspine scorpionfish (1-1)
longfin scorpionfish (1-2)
smoothhead scorpionfish (4-28)
California scorpionfish (2-4)
spotted scorpionfish (1-1)
brown rockfish (1-1)
calico rockfish (1-8)
yellowtail rockfish (1-1)
bocaccio (2-2)
treefish (1-1)
honeycomb rockfish (1-3)

TRIGLIDAE

Bellator militaris
Peristedion gracile
Peristedion greyae
Prionotus evolans
Prionotus longispinosus
Prionotus martis
Prionotus ophryas
Prionotus roseus
Prionotus rubio
Prionotus scitulus
Prionotus stearnsi
Prionotus tribulus

SEAROBINS

horned searobin (2-10)
slender searobin (1-1)
(1-3)
striped searobin (2-4)
bigeye searobin (1-1)
barred searobin (2-17)
bandtail searobin (2-2)
bluespotted searobin (2-2)
blackwing searobin (9-35)
leopard searobin (33-115)
shortwing searobin (1-1)
bighead searobin (30-102)

ORDER PERCIFORMES

ACANTHURIDAE

Acanthurus bahianus

SURGEONFISHES

ocean surgeon (1-3)

ACROPOMATIDAE

Synagrops spinosus

TEMPERATE OCEAN-BASSES

(1-1)

AMMODYTIDAE

Ammodytes tobianus

SAND LANCES

sand-lance (1-17)

APOGONIDAE

Apogon maculatus

CARDINALFISHES

flamefish (4-11)

BLENNIIDAE

Blennius cristatus

COMBTOOTH BLENNIES

molly miller (1-22)

Blenniidae continued

Chasmodes bosquianus	striped blenny	(1-1)
Chasmodes bosquianus longimaxilla*		(1-1)
Chasmodes novemlineatus		(1-11)
Chasmodes saburrae	Florida blenny	(2-16)
Hypleurochilus geminatus	crested blenny	(1-4)
Hypsoblennius gilberti	rockpool blenny	(5-18)
Hypsoblennius hentz	feather blenny	(1-1)
Hypsoblennius ionthas	freckled blenny	(4-6)
Hypsoblennius jenkinsi	mussel blenny	(2-4)

CARANGIDAE

JACKS AND POMPANOS

Caranx bartholomaei	yellow jack	(1-6)
Caranx crysos	blue runner	(4-9)
Caranx hippos	crevalle jack	(13-23)
Caranx latus	horse-eye jack	(2-4)
Chloroscombrus chrysurus	Atlantic bumper	(15-374)
Decapterus punctatus	round scad	(1-3)
Oligoplites saurus	leatherjack	(5-10)
Selar crumenophthalmus	bigeye scad	(2-4)
Selene setapinnis	Atlantic moonfish	(14-69)
Selene vomer	lookdown	(3-11)
Seriola zonata	banded rudderfish	(1-4)
Trachinotus carolinus	Florida pompano	(8-82)
Trachinotus falcatus	permit	(3-9)
Trachinotus goodei	palometa	(1-1)
Trachurus lathami	rough scad	(3-20)
Trachurus symmetricus	jack mackerel	(2-4)

CENTRARCHIDAE

SUNFISHES

Acantharchus pomotis	mud sunfish	(3-12)
No Ambloplites ariommus	shadow bass	(321-1097)
Ambloplites cavifrons	Roanoke bass	(3-16)
Ambloplites constellatus	Ozark bass	(42-194)
Ambloplites rupestris	rock bass	(134-643)
Archoplites interruptus	Sacramento perch	(1-1)
Centrarchus macropterus	flier	(211-1629)
Enneacanthus chaetodon	blackbanded sunfish	(7-20)
Enneacanthus obesus	banded sunfish	(11-87)
Lepomis auritus	redbreast sunfish	(128-1014)
Lepomis cyanellus	green sunfish	(575-3145)
Lepomis gibbosus	pumpkinseed	(54-322)
Lepomis gulosus	warmouth	(233-1511)
Lepomis humilis	orangespotted sunfish	(257-6298)
Lepomis macrochirus	bluegill	(460-9536)
Lepomis marginatus	dollar sunfish	(222-1541)
Lepomis megalotis	longear sunfish	(730-9670)
Lepomis microlophus	redeer sunfish	(224-1271)

*Includes Type Specimens

Centrarchidae continued

	<i>MINIATUS</i>	
Lepomis punctatus	spotted sunfish	(323-1471)
Lepomis symmetricus	bantam sunfish	(257-2713)
Micropterus coosae	redeye bass	(20-54)
Micropterus dolomieu	smallmouth bass	(290-1134)
Micropterus punctulatus	spotted bass	(353-2315)
Micropterus salmoides	largemouth bass	(389-3995)
Micropterus treculi	Guadalupe bass	(1-1)
Pomoxis annularis	white crappie	(176-1251)
Pomoxis nigromaculatus	black crappie	(139-2220)
CENTROPOMIDAE	SNOOKS	
Centropomus undecimalis	common snook	(3-50)
CHAETODONTIDAE	BUTTERFLYFISHES	
Chaetodon aculeatus	longsnout butterflyfish	(1-1)
Chaetodon capistratus	foureye butterflyfish	(1-2)
CICHLIDAE	CICHLIDS	
Astronotus ocellatus	oscar	(1-1)
Cichlasoma cyanoguttatum	Rio Grande cichlid	(18-127)
Cichlasoma meeki	firemouth cichlid	(1-6)
Cichlasoma octofasciatum	Jack Dempsey	(2-2)
Cichlasoma nigrofasciatum	convict cichlid	(1-1)
Hemichromis bimaculatus	African jewelfish	(1-3)
Tilapia mossambica	Mozambique tilapia	(3-4)
Tilapia nilotica	Nile cichlid	(5-129)
Tilapia zilli	redbelly tilapia	(1-1)
CLINIDAE	CLINIDS	
Gibbonsia elegans	spotted kelpfish	(4-9)
Gibbonsia metzi	striped kelpfish	(2-12)
Heterostichus rostratus	giant kelpfish	(1-2)
Labrisomus nuchipinnis	hairy blenny	(1-25)
Neoclinus uninotatus	onespot fringehead	(2-3)
CORYPHAENIDAE	DOLPHINS	
Coryphaena hippurus	dolphin	(3-3)
CRYPTACANTHODIDAE	WRYMOUTHS	
Cryptacanthodes aleutensis	dwarf wrymouth	(1-1)
ECHENEIDAE	REMORAS	
Echeneis naucrates	sharksucker	(5-9)
Echeneis neucratoides	whitefin sharksucker	(1-1)
ELASSOMATIDAE	PYGMY SUNFISHES	
Elassoma evergladei	Everglades pygmy sunfish	(5-21)
Elassoma okefenokee	Okefenokee pygmy sunfish	(1-1)
Elassoma zonatum	banded pygmy sunfish	(299-2758)

ELEOTRIDEA	SLEEPERS	
Dormitator maculatus	fat sleeper	(11-184)
Eleotris pisonis	spinycheek sleeper	(4-6)
EMBIOTOCIDAE	SURFPERCHES	
Amphistichus argenteus	barred surfperch	(5-27)
Amphistichus koelzi	calico surfperch	(2-10)
Cymatogaster aggregata	shiner perch	(5-25)
Embiotoca jacksoni	black perch	(7-19)
Embiotoca lateralis	striped seaperch	(2-3)
Hyperprosopon anale	spotfin surfperch	(1-8)
Hyperprosopon argenteum	walleye surfperch	(1-4)
Hysterothorax traski	tule perch	(1-2)
Micrometrus aurora	reef perch	(1-12)
Micrometrus minimus	dwarf perch	(1-2)
Phanerodon furcatus	white seaperch	(10-54)
Rhacochilus vacca	pile perch	(2-6)
Zalembeus rosaceus	pink seaperch	(4-20)
EPHIPPIDAE	SPADEFISHES	
Chaetodipterus faber	Atlantic spadefish	(32-96)
EPIGONIDAE	DEEPWATER CARDINALFISHES	
Epigonus pandionis		
GERREIDAE	MOJARRAS	
Eucinostomus argenteus	spotfin mojarra	(5-191)
Eucinostomus gula	silver jenny	(2-10)
Eucinostomus lefroyi	mottled mojarra	(1-3)
Gerres cinereus	yellowfin mojarra	(14-102)
GOBIESOCIDAE	CLINGFISHES	
Gobiesox punctulatus	stippled clingfish	(2-3)
Gobiesox strumosus	skilletfish	(10-15)
Rimicola dimorpha	southern clingfish	(1-1)
GOBIIDAE	GOBIES	
Bathygobius soporator	frillfin goby	(2-2)
Bollmannia communis	ragged goby	(1-1)
Clevelandia ios	arrow goby	(1-139)
Coryphopterus nicholsi	blackeye goby	(1-6)
Ctenogobius bolesoma	darter goby	(16-124)
Eucyclogobius newberryi	tidewater goby	(1-10)
Evorthodus lyricus	lyre goby	(3-27)
Gillichthys mirabilis	longjaw mudsucker	(6-8)
Gobioides broussoneti	violet goby	(4-4)
Gobionellus hastatus	sharptail goby	(22-55)
Gobionellus macrodon	tiger goby	(1-30)
Gobionellus oceanicus	highfin goby	(11-21)
Gobionellus shufeldti	freshwater goby	(8-36)
Gobiosoma bosc	naked goby	(22-246)
Gobiosoma oceanops	neon goby	(1-1)

Gobiidae continued

Gobiosoma robustum	code goby	(4-81)
Lepidogobius lepidus	bay goby	(2-5)
Lythrypnus dalli	bluebanded goby	(1-1)
Microgobius gulosus	clown goby	(14-39)
Microgobius thalassinus	green goby	(1-2)
Priolepis hipoliti	rusty goby	(1-19)
Typhlogobius californiensis	blind goby	(4-13)
GRAMMATIDAE	BASSLETS	
Gramma loreto	royal gramma	(4-7)
GRIMMISTIDAE	SOAPFISHES	
Rypticus saponaceus	greater soapfish	(1-1)
HAEMULIDA	GRUNTS	
Haemulon aurolineatum	tomtate	(1-4)
Orthopristis chrysoptera	pigfish	(12-63)
Xenistius californiensis	salema	(1-1)
ISTIOPHORIDAE	BILLFISHES	
Istiophorus platypterus	sailfish	(1-1)
Makaira nigricans	blue marlin	(1-1)
KYPHOSIDAE	SEA CHUBS	
Girella nigricans	opaleye	(5-40)
Kyphosus sectatrix	Bermuda chub	(1-1)
Medialuna californiensis	halfmoon	(1-1)
LABRIDAE	WRASSES	
Halichoeres bivittatus	slippery dick	(2-3)
Halichoeres caudalis	painted wrasse	(1-2)
Halichoeres semicinctus	rock wrasse	(1-1)
Hemipteronotus martinicensis	rosy razorfish	(1-1)
Hemipteronotus novacula	pearly razorfish	(1-1)
Lachnolaimus maximus	hogfish	(1-1)
Oxyjulis californica	senorita	(5-7)
Semicossyphus pulcher	California sheephead	(1-1)
Tautoga onitis	tautog	(1-4)
Tautogolabrus adspersus	cunner	(3-29)
LOBOTIDAE	TRIPLETAILS	
Lobotes surinamensis	tripletail	(1-3)
LUTJANIDAE	SNAPPERS	
Lutjanus analis	mutton snapper	(1-4)
Lutjanus campechanus	red snapper	(3-24)
Lutjanus griseus	gray snapper	(4-7)
Lutjanus synagris	lane snapper	(3-7)
Pristipomoides aquilonaris	wenchman	(1-1)
Rhomboplites aurorubens	vermillion snapper	(3-7)

MALACANTHIDAE	TILEFISHES	
Caulolatilus chrysops	goldface tilefish	(1-1)
MULLIDAE	GOATFISHES	
Mullus auratus	red goatfish	(1-1)
Pseudupeneus maculatus	spotted goatfish	(1-2)
Upeneus parvus	dwarf goatfish	(1-1)
PERCICHTHYIDAE	TEMPERATE BASSES	
Morone americana	white perch	(6-51)
Morone chrysops	white bass	(153-1248)
Morone mississippiensis	yellow bass	(77-765)
Morone saxatilis	striped bass	(46-253)
PERCIDAE	PERCHES	
Ammocrypta beani	naked sand darter	(331-6236)
Ammocrypta bifascia	Florida sand darter	(9-46)
Ammocrypta clara	western sand darter	(42-158)
Ammocrypta meridiana	southern sand darter	(16-58)
Ammocrypta pellucida	eastern sand darter	(1-8)
Ammocrypta vivax	scaly sand darter	(645-6103)
Crystallaria asprella	crystal darter	(156-847)
Etheostoma acuticeps	sharphead darter	(5-167)
Etheostoma aquali	coppercheek darter	(20-457)
Etheostoma asprigene	mud darter	(191-1952)
Etheostoma atripinne	Cumberland snubnose	(18-253)
Etheostoma baileyi	emerald darter	(7-86)
Etheostoma barbouri	teardrop darter	(3-38)
Etheostoma barrenense	splendid darter	(24-1452)
Etheostoma bellator	warrior darter	(1-3)
Etheostoma bellum	orange-fin darter	(5-156)
Etheostoma blennioides	greenside darter	(741-10079)
Etheostoma blennius	blenny darter	(40-1685)
Etheostoma boschungii	slackwater darter	(1-4)
Etheostoma caeruleum	rainbow darter	(557-27125)
Etheostoma camurum	bluebreast darter	(64-470)
Etheostoma chlorobranchium	greenfin darter	(8-39)
Etheostoma chlorosomum	bluntnose darter	(772-5362)
Etheostoma chuckwachatte*	lipstick darter	(1-2)
Etheostoma cinereum	ashy darter	(5-36)
Etheostoma collettei*	creole darter	(772-16854)
Etheostoma collis	Carolina darter	(1-4)
Etheostoma colorosum	coastal darter	(3-49)
Etheostoma coosae	Coosa darter	(22-319)
Etheostoma cragini	Arkansas darter	(6-40)
Etheostoma crossopterum	fringed darter	(1-1)
Etheostoma davisoni	Choctawhatchee darter	(1-6)
Etheostoma ditrema	coldwater darter	(3-15)
Etheostoma douglasi*	Tuskaloosa darter	(1-5)
Etheostoma duryi	black darter	(19-204)

*Includes Type Specimens

Percidae continued

Etheostoma edwini	brown darter	(17-58)
Etheostoma etnieri	cherry darter	(11-152)
Etheostoma etowahae*	Etowah darter	(1-2)
Etheostoma euzonum	Arkansas saddled darter	(92-1246)
Etheostoma exile	Iowa darter	(12-106)
Etheostoma flabellare	fantail darter	(337-6127)
Etheostoma flavum*	saffron darter	(20-927)
Etheostoma fonticola	fountain darter	(3-67)
Etheostoma fricksium	Savannah darter	(3-8)
Etheostoma fusiforme	swamp darter	(210-1631)
Etheostoma gracile	slough darter	(450-233)
Etheostoma grahami	Rio Grande darter	(8-243)
Etheostoma histrio	harlequin darter	(497-12018)
Etheostoma hopkinsi	Christmas darter	(4-95)
Etheostoma inscriptum	turquoise darter	(5-50)
Etheostoma jessiae	blueside darter	(35-306)
Etheostoma jordani	greenbreast darter	(23-755)
Etheostoma juliae	yoke darter	(48-1937)
Etheostoma kanawhae	Kanawha darter	(3-19)
Etheostoma kennicotti	stripetail darter	(19-291)
Etheostoma lachneri	Tombigbee darter	(1-10)
Etheostoma lepidum	greenthroat darter	(5-370)
Etheostoma longimanum	longfin darter	(5-98)
Etheostoma luteovinctum	redband darter	(6-77)
Etheostoma lynceum	brighteye darter	(431-8358)
Etheostoma maculatum	spotted darter	(40-416)
Etheostoma mariae	pinewoods darter	(13-108)
Etheostoma meadiae		(17-93)
Etheostoma microperca	least darter	(10-122)
Etheostoma moorei	yellowcheek darter	(44-608)
Etheostoma neopterum	lollipop darter	(5-101)
Etheostoma nianguae	Niangua darter	(2-3)
Etheostoma nigrum	johnny darter	(228-1399)
Etheostoma nuchale	watercrest darter	(1-5)
Etheostoma obeyense	barcheck darter	(16-272)
Etheostoma okaloosae	Okaloosa darter	(10-117)
Etheostoma olivaceum*	sooty darter	(3-72)
Etheostoma olmstedii	tessellated darter	(73-569)
Etheostoma osburni	candy darter	(5-109)
Etheostoma pallididorsum	paleback darter	(27-565)
Etheostoma parvipinne	goldstripe darter	(108-565)
Etheostoma perlongum	Waccamaw darter	(2-4)
Etheostoma podostemone	riverweed darter	(18-226)
Etheostoma proeliare	cypress darter	(549-6764)
Etheostoma punctulatum	stippled darter	(79-337)
Etheostoma pyrrhogaster*	firebelly darter	(1-3)
Etheostoma radiosum	orangebelly darter	(794-31585)
Etheostoma ramseyi	Alabama darter	(2-22)

*Includes Type Specimens

Percidae continued

Etheostoma raneyi	Yazoo darter	(1-2)
Etheostoma rubrum	bayou darter	(22-1209)
Etheostoma rufilineatum	redline darter	(160-6016)
Etheostoma rupestre	rock darter	(25-701)
Etheostoma salude	Saluda darter	(3-29)
Etheostoma sagitta	arrow darter	(7-69)
Etheostoma scotti*	Cherokee darter	(1-6)
Etheostoma serrifer	sawcheek darter	(15-96)
Etheostoma simoterum	snubnose darter	(141-4030)
Etheostoma smithi*	slabrock darter	(2-59)
Etheostoma spectabile	orangethroat darter	(242-7148)
Etheostoma squamiceps	spottail darter	(69-1136)
Etheostoma stigmaeum	speckled darter	(862-14047)
Etheostoma striatulum*	striated darter	(2-13)
Etheostoma swaini	gulf darter	(390-4474)
Etheostoma swannanoa	Swannanoa darter	(19-254)
Etheostoma tallapoosae	Tallapoosae darter	(1-22)
Etheostoma tetrazonum	Missouri saddle darter	(38-800)
Etheostoma thalassinum	seagreen darter	(5-56)
Etheostoma tippecanoe	Tippecanoe darter	(12-70)
Etheostoma trisella	trispot darter	(5-24)
Etheostoma tuscumbia	Tuscumbia darter	(2-10)
Etheostoma variatum	variegate darter	(15-104)
Etheostoma virgatum	striped darter	(19-337)
Etheostoma vitreum	glassy darter	(8-23)
Etheostoma whipplei	redfin darter	(886-9183)
Etheostoma zonale	banded darter	(445-8365)
Etheostoma zonistium*	bandfin darter	(1-14)
Perca flavescens	yellow perch	(36-2355)
Percina antesella	amber darter	(5-15)
Percina aurantiaca	tangerine darter	(17-54)
Percina aurolineata	goldline darter	(3-30)
Percina burtoni	blotchside darter	(4-5)
Percina caprodes	logperch	(844-6718)
Percina copelandi	channel darter	(319-4261)
Percina crassa	Piedmont darter	(20-796)
Percina cymatotaenia	bluestripe darter	(2-12)
Percina evides	gilt darter	(104-1784)
Percina gymnocephala	Appalachia darter	(2-4)
Percina jenkinsi	Conasauga logperch	(2-12)
Percina lenticula	freckled darter	(10-16)
Percina macrocephala	longhead darter	(9-23)
Percina macrolepida	bigscale logperch	(6-11)
Percina maculata	blackside darter	(241-552)
Percina nasuta	longnose darter	(35-214)
Percina nigrofasciata	blackbanded darter	(562-7497)
Percina notogramma	stripeback darter	(2-4)
Percina oxyrhynchus	sharpnose darter	(3-7)

*Includes Type Specimens

Percidae continued

Percina palmaris	bronze darter	(30-1374)
Percina pantherina	leopard darter	(8-20)
Percina peltata	shield darter	(13-45)
Percina phoxocephala	slenderhead darter	(50-246)
Percina rex	Roanoke logperch	(3-16)
Percina roanoke	Roanoke darter	(4-16)
Percina sciera	dusky darter	(996-11878)
Percina shumardi	river darter	(150-1299)
Percina tanasi*	snail darter	(1-5)
Percina uranidea	stargazing darter	(2-8)
Percina vigil	saddleback darter	(541-30926)
Stizostedion canadense	sauger	(21-67)
Stizostedion vitreum	walleye	(24-334)
PERCOPHIDAE	FLATHEADS	
Bembrops anatirostris	duckbill flathead	(1-1)
Bembrops gobioides	goby flathead	(1-1)
PHOLIDAE	GUNNELS	
Apodichthys flavidus	penpoint gunnel	(3-21)
Apodichthys fucorum	rockweed gunnel	(2-4)
Pholis gunnellus	rock gunnel	(1-1)
POLYNEMIDAE	THREADFINS	
Polydactylus octonemus	Atlantic threadfin	(5-77)
POMACANTHIDAE	ANGLEFISHES	
Centropyge argi	cherubfish	(2-3)
POMATOMIDAE	BLUEFISHES	
Pomatomus saltatrix	bluefish	(5-9)
PRIACANTHIDAE	BIGEYES	
Priacanthus arenatus	bigeye	(7-11)
Pristigenys alta	short bigeye	(2-4)
RACHYCENTRIDAE	COBIAS	
Rachycentron canadum	cobia	(2-2)
SCIAENIDAE	DRUMS	
Aplodinotus grunniens	freshwater drum	(177-2148)
Bairdiella chrysoura	silver perch	(23-74)
Cynoscion arenarius	sand seatrout	(36-433)
Cynoscion nebulosus	spotted seatrout	(30-133)
Cynoscion nothus	silver seatrout	(90-120)
Cynoscion parvipinnis	shortfin corvina	(1-1)
Cynoscion regalis	weakfish	(5-34)
Equetus acuminatus	high-hat	(5-5)

*Includes Type Specimens

Sciaenidae continued

<i>Equetus lanceolatus</i>	jackknife-fish	(1-1)
<i>Genyonemus lineatus</i>	white croaker	(10-140)
<i>Larimus fasciatus</i>	banded drum	(14-126)
<i>Leiostomus xanthurus</i>	spot	(68-4409)
<i>Menticirrhus americanus</i>	southern kingfish	(20-225)
<i>Menticirrhus littoralis</i>	gulf kingfish	(17-235)
<i>Menticirrhus saxatilis</i>	northern kingfish	(1-2)
<i>Menticirrhus undulatus</i>	California corbina	(2-10)
<i>Micropogonias undulatus</i>	Atlantic croaker	(58-936)
<i>Pogonias cromis</i>	black drum	(22-190)
<i>Sciaenops ocellatus</i>	red drum	(22-124)
<i>Seriphus politus</i>	queenfish	(7-132)
<i>Stellifer lanceolatus</i>	star drum	(7-25)
<i>Umbrina coroides</i>	sand drum	(2-62)
<i>Umbrina roncadore</i>	yellowfin croaker	(1-1)

SCOMBRIDAE

MACKERELS AND TUNAS

<i>Acanthocybium solandri</i>	wahoo	(1-1)
<i>Auxis thazard</i>	frigate mackerel	(2-3)
<i>Sarda chiliensis</i>	Pacific bonito	(2-2)
<i>Scomber japonicus</i>	chub mackerel	(5-6)
<i>Scomberomorus cavalla</i>	king mackerel	(3-25)
<i>Scomberomorus maculatus</i>	Spanish mackerel	(5-9)
<i>Scomberomorus regalis</i>	cero	(1-1)
<i>Thunnus albacares</i>	yellowfin tuna	(1-1)

SERRANIDAE

SEA BASSES

<i>Centropristis ocyurus</i>	bank sea bass	(3-5)
<i>Centropristis philadelphica</i>	rock sea bass	(12-36)
<i>Centropristis striata</i>	black sea bass	(1-1)
<i>Diplectrum bivittatum</i>	dwarf sand perch	(1-3)
<i>Diplectrum formosum</i>	sand perch	(3-4)
<i>Epinephelus nigritus</i>	warsaw grouper	(1-1)
<i>Epinephelus niveatus</i>	snowy grouper	(1-6)
<i>Hypoplectrus unicolor</i>	butter hamlet	(2-2)
<i>Paralabrax clathratus</i>	kelp bass	(2-3)
<i>Paralabrax maculatofasciatus</i>	spotted sand bass	(7-15)
<i>Paralabrax nebulifer</i>	barred sand bass	(3-6)
<i>Paranthias furcifer</i>	creole-fish	(1-2)
<i>Serraniculus pumilio</i>	pygmy sea bass	(2-14)
<i>Serranus atrobranchus</i>	blackear bass	(1-1)

SPARIDAE

PORGIES

<i>Archosargus probatocephalus</i>	sheepshead	(18-19)
<i>Calamus bajonado</i>	jolthead porgy	(1-1)
<i>Calamus calamus</i>	saucereye porgy	(1-1)
<i>Calamus penna</i>	sheepshead porgy	(2-3)
<i>Diplodus holbrooki</i>	spottail pinfish	(1-1)
<i>Lagodon rhomboides</i>	pinfish	(32-432)

Sparidae continued

Pagrus pagrus	red porgy	(1-1)
Stenotomus caprinus	longspine porgy	(3-21)
SPHYRAENIDAE		
	BARRACUDAS	
Sphyraena argentea	Pacific barracuda	(3-3)
Sphyraena barracuda	great barracuda	(3-5)
Sphyraena borealis	northern sennet	(1-31)
Sphyraena guachancho	guaguanche	(5-18)
STICHAEIDAE		
	PRICKLEBACKS	
Cebidichthys violaceus	monkeyface prickleback	(2-2)
Lumpenus anquillaris		(1-46)
Phytichthys chirus	ribbon prickleback	(2-4)
Xiphister atropurpureus	black prickleback	(4-6)
Xiphister mucosus	rock prickleback	(1-1)
STROMATEIDAE		
	BUTTERFISHES	
Peprilus alepidotus	harvestfish	(17-47)
Peprilus burti	gulf butterfish	(14-380)
Peprilus paru		(1-2)
Peprilus simillimus	Paific pompano	(4-10)
Peprilus triancanthus	butterfish	(18-154)
TRICHIURIDAE		
	SNAKE MACKERELS	
Trichiurus lepturus	Atlantic cutlassfish	(9-14)
URANOSCOPIDAE		
	STARGAZERS	
Astrosopus y-graecum	southern stargazer	(7-11)
Kathetostoma albigutta	lancer stargazer	(3-4)
ZOARCIDAE		
	EELPOUTS	
Lycodes palearis	wattled eelpout	(1-1)
Lycodopsis pacifica	blackbelly eelpout	(1-3)
ORDER PLEURONECTIFORMES		
ACHIRIDAE		
	AMERICAN SOLES	
Achirus lineatus	lined sole	(18-115)
Gymnachirus melas	naked sole	(3-11)
Gymnachirus texae	fringed sole	(6-34)
Trinectes maculatus	hogchoker	(76-745)
BOTHIDAE		
	LEFTEYE FLOUNDERS	
Engyophrys senta	spiny flounder	(2-27)
Trichopsetta ventralis	sash flounder	(1-3)
CYNOGLOSSIDAE		
	TONGUEFISHES	
Symphurus atricauda	California tonguefish	(11-43)

Cynoglossidae continued

<i>Symphurus civitatus</i>	offshore tonguefish	(1-5)
<i>Symphurus diomedianus</i>	spottedfin tonguefish	(2-23)
<i>Symphurus parvus</i>	pygmy tonguefish	(2-2)
<i>Symphurus piger</i>	deepwater tonguefish	(1-1)
<i>Symphurus plagiusa</i>	blackcheek tonguefish	(28-79)

PARALICHTHYIDAE

<i>Ancylopsetta quadrocellata</i>	ocellated flounder	(10-23)
<i>Citharichthys macrops</i>	spotted whiff	(4-14)
<i>Citharichthys sordidus</i>	Pacific sanddab	(8-76)
<i>Citharichthys spilopterus</i>	bay whiff	(22-506)
<i>Citharichthys stigmaeus</i>	speckled sanddab	(6-27)
<i>Cyclopsetta chittendeni</i>	Mexican flounder	(1-2)
<i>Cyclopsetta fimbriata</i>	spotfin flounder	(1-1)
<i>Etropus crossotus</i>	fringed flounder	(16-80)
<i>Etropus microstomus</i>	smallmouth flounder	(4-22)
<i>Etropus rimosus</i>	gray flounder	(1-5)
<i>Gastropsetta frontalis</i>	shrimp flounder	(1-2)
<i>Hippoglossina stomata</i>	bigmouth sole	(2-4)
<i>Paralichthys albigutta</i>	gulf flounder	(3-5)
<i>Paralichthys californicus</i>	California halibut	(4-37)
<i>Paralichthys dentatus</i>	summer flounder	(2-3)
<i>Paralichthys lethostigma</i>	southern flounder	(51-220)
<i>Paralichthys oblongus</i>	fourspot flounder	(1-1)
<i>Paralichthys squamilentus</i>	broad flounder	(4-6)
<i>Syacium gunteri</i>	shoal flounder	(3-3)
<i>Syacium micrurum</i>	channel flounder	(1-2)
<i>Syacium papillosum</i>	dusky flounder	(1-3)
<i>Xystreurys liolepis</i>	fantail sole	(4-6)

PLEURONECTIDAE

<i>Atheresthes stomias</i>	arrowtooth flounder	(1-4)
<i>Errex zachirus</i>	rex sole	(4-4)
<i>Hippoglossoides elassodon</i>	flathead sole	(1-4)
<i>Microstomus pacificus</i>	Dover sole	(1-3)
<i>Platichthys stellatus</i>	starry flounder	(3-3)
<i>Pleuronectes bilineatus</i>	rock sole	(2-3)
<i>Pleuronectes ferrugineus</i>	yellowtail flounder	(1-1)
<i>Pleuronectes isolepis</i>	butter sole	(2-2)
<i>Pleuronectes vetulus</i>	English sole	(4-12)
<i>Pleuronichthys coenosus</i>	C-O sole	(2-4)
<i>Pleuronichthys decurrens</i>	curlfin sole	(2-4)
<i>Pleuronichthys verticalis</i>	hornyhead turbot	(10-44)
<i>Psettichthys melanostictus</i>	sand sole	(3-8)

RIGHTEYE FLOUNDERS

SCOPHTHALMIDAE

<i>Scophthalmus aquosus</i>	windowpane	(1-1)
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ORDER TETRAODONTIFORMES

BALISTIDAE

Balistes capriscus
Melichthys niger

MONACANTHIDAE

Aluterus schoepfi
Monacanthus ciliatus
Monacanthus hispidus

OSTRACIIDAE

Lactophrys quadricornis
Lactophrys trigonus

TETRAODONTIDAE

Chilomycterus schoepfi
Diodon holocanthus
Diodon hystrix
Lagocephalus laevigatus
Sphoeroides dorsalis
Sphoeroides maculatus
Sphoeroides nephelus
Sphoeroides parvus
Sphoeroides spengleri
Sphoeroides testudineus

LEATHERJACKETS

gray triggerfish (5-7)
black durgon (1-1)

FILEFISHES

orange filefish (5-123)
fringed filefish (1-4)
planehead filefish (6-23)

BOXFISHES

scrawled cowfish (10-13)
trunkfish (3-4)

PUFFERS

striped burrfish (24-42)
balloonfish (2-2)
porcupinefish (2-3)
smooth puffer (3-4)
marbled puffer (1-1)
northern puffer (2-4)
southern puffer (12-72)
least puffer (15-82)
bandtail puffer (4-12)
checkered puffer (2-9)

EXOTIC FRESHWATER AND OTHER MARINE AND DEEP SEA FISHES

ORDER CARCHARHINIFORMES

SCYLIORHINIDAE	CAT SHARKS	
Cephaloscyllium griseum	zebra shark	(2-2)

ORDER RAJIFORMES

POTAMOTRYGONIDAE	RIVER STINGRAYS	
Potamotrygon magdalenae	raya	(1-3)

ORDER LEPIDOSIRENIFORMES

PROTOPTERIDAE	AFRICAN LUNGFISHES	
Protopterus dolloi	African lungfish	(1-1)

ORDER POLYPTERIFORMES

POLYPTERIDAE	BICHIRS	
Calamoichthys calabaricus	ropefish	(3-5)
Polypterus ornatipinnus	bichir (Africa)	(1-2)

ORDER OSTEOGLOSSIFORMES

MORMYRIDAE	ELEPHANTFISHES	
Gnathonemus monteiri	(Africa)	(1-2)
Gnathonemus petersi		(2-12)
Marcusenius longianalis		(3-8)
Marcusenius plagiostoma		(1-1)
Marcusenius prillacus		(1-1)
NOTOPTERIDAE	FEATHERFIN KNIFEFISHES	
Notopterus chitala	clown knife	(1-2)
Notopterus notopterus	featherback (Bangladesh)	(3-8)
OSTEOGLOSSOIDAE	BONYTONGUES	
Osteoglossum ferreirai	black arawana	(1-1)
Scleropages formosus	arwana	(1-1)
PANTODONTIDAE	BUTTERFLYFISHES	
Pantodon buchholzi	butterflyfish	(3-7)

ORDER ELOPIFORMES

MEGALOPIDAE	TARPONS	
Megalops cyprinoides	ox-eye (Australia)	(1-1)

ORDER ANGUILLIFORMES

CONGRIDAE	CONGER EELS	
Conger marginatus	white eel	(1-9)
MURAENIDAE	MORAYS	
Gymnothorax eurostus		(1-2)
Gymnothorax nigromaculatus	puhi-laumilo	(1-1)
Gymnothorax undulatus	blackedge moray	(1-8)
Uropterygius knighti		(1-10)
OPHICHTHIDAE	SNAKE EELS	
Leiuranus semicinctus		(1-1)
Myrichthys colubrinus	banded snake eel	(1-1)

ORDER CLUPEIFORMES

CLUPEIDAE	HERRINGS	
Corcia soborna		(3-12)
Gudusia chapra	chapila	(2-6)
Gudusia variegatus		(2-5)
Harengula koningsbergeri		(1-1)
Harengula zunasi		(1-2)
Nematalosa erabi	bony bream	(1-5)
Opisthonema liberates	deepbody thread herring	(1-1)
ENGRAULIDAE	ANCHOVIES	
Coilia nasus		(1-1)
Engraulis ringeus		(1-2)
Setipinna phasu	(Bangladesh)	(1-2)

ORDER CYPRINIFORMES

Cobitidae	Loaches	
Acanthopthalmus kuhli	coolie loach	(1-62)
Acanthopthalmus myersi		(1-20)
Acanthopthalmus semicinctus	loach	(2-516)
Botia almorhae		(1-1)
Botia dario		(2-4)
Botia hymenophysa	banded loach	(3-6)
Botia macrocanthus	clown loach	(4-12)

Cobitidae continued

Botia modesta		(1-5)
Lepidocephalus guntae		(3-10)
Misgurnus fossilis	weatherfish	(1-2)
Noemacheilus botia		(1-1)

CYPRINIDAE

MINNOWS

Alburnops lucidus	bararian lakefish	(2-12)
Amplypharyngodon mola	(Bangladesh)	(3-12)
Balantiocheilos metanopterus		(1-1)
Barbus barbus	barbel	(1-1)
Barbus cochonius	red barb	(1-4)
Barbus nigrofasciatus	nigger barb	(1-2)
Barbus schewanfeldi	tinfoil barb	(2-2)
Barbus tetrazona	tiger barb	(2-40)
Barbus tetteya	cherry barb	(1-11)
Brachydanio frankei	leopard danio	(2-2)
Brachydanio rerio	zebra danio	(1-3)
Capoeta oligolepis	checkered barb	(1-3)
Catla catla	katla (Bangladesh)	(2-3)
Chela atpar		(1-3)
Chela bacaila	(Bangladesh)	(2-15)
Chela laubuca	(Bangladesh)	(2-2)
Cirrhinus mirgala	mirgal (Bangladesh)	(1-1)
Cirrhinus reba	(Bangladesh)	(3-10)
Danio acquipinnatus	(Bangladesh)	(2-6)
Danio crysops		(1-1)
Danio malabaricus	giant danio	(1-1)
Labeo bicolor	red-tailed black shark	(1-21)
Labeo calbasu	baush (Bangladesh)	(1-2)
Labeo eythrura	rainbow shark	(1-7)
Labeo gonius		(1-1)
Labeo nandina	(Bangladesh)	(1-4)
Labeo rohita	rui (Bangladesh)	(2-6)
Leuciscus leuciscus		(1-21)
Leuciscus rutilus		(1-24)
Notopis moralesi		(1-2)
Osteochilus hasselti	hard lipped barb	(1-1)
Phoxinus phoxinus		(1-12)
Puntius chola	(Bangladesh)	(2-8)
Puntius conchonius	rosy barb	(5-29)
Puntius phuntanio	(Bangladesh)	(2-7)
Puntius puntio		(1-2)
Puntius sachsi	gold barb	(1-1)
Puntius sarana		(1-2)
Puntius stigma		(1-3)
Puntius sophore	(Bangladesh)	(2-6)
Puntius ticto	(Bangladesh)	(2-7)
Rasbora deniconius	(Bangladesh)	(1-4)
Rasbora elanga	chela (Bangladesh)	(1-2)
Rasbora heteromorpha	harlequinfish	(2-11)

Cyprinidae continued

Rasbora trilineata	scissor-tail	(2-5)
Rhodeus amarus		(1-11)
Rohtee cotio	chela (Bangladesh)	(2-21)
Xenocypris compressum	Chinese carp	(1-2)
Yuriria alta	(Mexico)	(1-1)

GYRINOCHEILIDAE

Gyrinocheilus aymonieri

ALGAE EATERS

Chinese algae eater (3-17)

ORDER CHARACIFORMES

ANOSTOMIDAE

Abramites microcephalus
Anostomus anostomus
Leporinus fasciatus
Leporinus obtusidens

HEADSTANDERS

marbeled headstander (1-1)
striped anostomus (2-8)
striped leporinus (3-3)
(Brazil) (1-2)

CHARACIDAE

Alestes imberi
Aphyocharax rubripinnis
Charax gibbosus
Cheirodon axelrodi
Cheirodon interruptus
Exodon paradoxus
Gymnocorymbus ternetzi
Hemigrammus nanus
Hyphessobrycon callistus
Hyphessobrycon flammeus
Hyphessobrycon
herbertaxelrod
Hyphessobrycon innesi
Hyphessobrycon serpae
Megalampodus meglopterus
Metynnis anisurus
Metynnis hypsanchen
Metynnis schreitmulleri
Metynnis snetulagae
Microbrycon cochni
Moenkhausia oligolepis
Nematobrycon palmeri
Serrasalmus niger

CHARACINS

(Africa) (1-2)
bloodfin (1-5)
humpbacked headstander (1-1)
cardinal tetra (1-150)
(1-1)
buck-toothed tetra (1-1)
black widow (3-23)
silvertip tetra (1-3)
(1-6)
flame tetra (1-1)
black neon tetra (1-1)
(1-15)
serpa characin (1-8)
black phantom tetra (1-2)
(1-1)
(1-2)
silver dollar (3-8)
(1-2)
blue tetra (1-1)
glass tetra (1-5)
emperor tetra (2-5)
black pirranha (2-2)

CITHARINIDAE

Distichodus fasciatus

CITHARINIDS

(1-2)

CURIMATIDAE

Acuticurimata mavartii
Chilodus punctatus

CURIMATINES

sardina (1-4)
spotted headstander (1-5)

Curimatidae continued

Curimatella schamburgeii	(S. American)	(1-2)
Prochilodus magdalenae	socachico	(1-1)
GASTEROPELECIDAE		
Carnegiella strigata	FRESHWATER HATCHETFISHES	(5-408)
Gasteropelecus levis	marbled hatchetfish	(1-1)
Gasteropelecus sternicia	silver hatchetfish	(1-237)
	common hatchetfish	
LEBIASINIDAE		
Nannostomus ocellatus	PENCILFISHES	(1-7)
	tail-eyed pencilfish	
ORDER SILURIFORMES		
AGENEIOSIDAE		
Ageneiosus dentatus	BOTTLENOSE CATFISHES	(1-2)
	bottlenose catfish	
ASPREINIDAE		
Bunocephalus bicolor	BANJO CATFISHES	(1-1)
AUCHENIPTERIDAE		
Auchenipterus nuchalis	DRIFTWOOD CATFISHES	(1-2)
	(Brazil)	
BAGRIDAE		
Mystus aor	BAGRID CATFISHES	(1-1)
Mystus cavasius	aeir	(2-5)
Mystus scenghala	gulsha	(2-5)
Mystus tengra	(Bangladesh)	(1-8)
Mystus vittatus	(Bangladesh)	(1-4)
Pseudobagrus auvidraco	tengra	(1-1)
Pseudobagrus fulvidraco	(China)	(1-1)
Rita rita	(Bangladesh)	(1-2)
CALLICHTHYIDAE		
	CALLICHTHYID ARMORED	
	CATFISHES	
Brochis coeruleus		(1-13)
Corydoras aeneus	bronze catfish	(2-31)
Corydoras arcuatus	arched catfish	(2-32)
Corydoras auratus	goldline catfish	(1-20)
Corydoras julii	leopard catfish	(1-117)
Corydoras melanistius	black-spotted catfish	(1-125)
Corydoras melini	melini catfish	(1-19)
Corydoras myersi	myers catfish	(1-6)
Corydoras schultzei		(1-17)
Corydoras undulatus		(1-45)
Hoplosternum littorale		(1-2)
Hoplosternum thoractum	port-hole catfish	(1-4)

CHACIDAE	ANGLER CATFISHES	
Chaca chaca	(Bangladesh)	(1-2)
DORADIDAE	THORNY CATFISHES	
Doras hancocki		(1-5)
Doras spinosissimus	spiny catfish	(1-4)
Platydoras costatus	spiny chocolate catfish	(1-1)
Platydoras sp.	spotted raffer	(1-1)
HETEROPNEUSTIDAE	AIRSAC CATFISHES	
Heteropneustes fossilis	stinging catfish (Bangladesh)	(6-20)
HYPOPTHALMIDAE	LOWEYE CATFISHES	
Hypopthalmus edentatus	low-eye catfish	(1-1)
LORICARIIDAE	SUCKERMOUTH CATFISHES	
Ancistrus cirrhosus		(1-117)
Chaetostoma fecheri		(1-1)
Loricaria filamentosa		(1-10)
Loricaria lanceolata		(1-2)
Loricaria parva		(4-82)
Otocinclus arnoldi	Arnold's sucker catfish	(1-3)
Otocinclus flexis		(1-1)
Otocinclus vittatus	striped sucker catfish	(1-1)
Plecostomus rachowi		(1-28)
Xenocara dolichoptera	bushy-mouthed catfish	(2-24)
Xenocara multispinnis		(1-1)
MOCHOKIDAE	UPSIDE-DOWN CATFISHES	
Chiloglanis occidentalis	upside-down catfish	
PANGASIIDAE	PANGASID CATFISHES	
Pangasius micronemus		(1-15)
Pangasius sutchi	Siamese shark	(1-2)
PIMELODIDAE	LONG-WHISKERED CATFISHES	
Pimelodus clarias		(2-9)
Pimelodella pictus	spotted pimelodella	(1-1)
Rhamdis rebae	long-whiskered catfish	(1-2)
Sorubim lima	shovelnose catfish	(1-1)
PLOTOSIDAE	EELTAIL CATFISHES	
Neosilurus ater	black catfish	(2-2)
Neosilurus hyrtl'i	hyrtl's catfish	(1-6)
Plotosus anguillaris	striped catfish	(1-1)
SCHILBEIDAE	SCHILBEID CATFISHES	
Ailiichthys punctatus	kajali (Bangladesh)	(3-10)
Clupisoma antheroides	(Bangladesh)	(1-3)
Clupisoma garva	garva (Bangladesh)	(2-4)
Clupisoma marius	(Bangladesh)	(2-6)

Schilbeidae continued

Eutropius congensis	(Congo)	(1-1)
Eutropius vacha	(Bangladesh)	(1-6)
Eutropiichthys vacha		(1-2)

SILURIDAE

SHEATFISHES

Kryptopterus bicirrhis	ghost fish	(2-111)
Ompok pabda	pabda (Bangladesh)	(2-6)
Platycephalus indicas		(1-2)

SISORIDAE

SISORID CATFISHES

Gagata viridescens	(Bangladesh)	(1-1)
Sisor rhabdophorus		(1-1)

TRICHOMYCTERIDAE

PARASITIC CATFISHES

Vandellia cirrhosa	vampire fish	(2-11)
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ORDER GYMNOTIFORMES

APTERONOTIDAE

GHOST KNIFEFISHES

Apteronotus albifrons	black ghost knifefish	(2-3)
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HYPOPOMIDAE

SPECKLED KNIFEFISHES

Hypopomus artedi		(1-3)
Steatogenys elegans		(1-1)

STERNOPYGIDAE

GLASS KNIFEFISHES

Eigenmannia vierscens	green knifefish	(2-7)
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ORDER AULOPIIFORMES

AULOPODIDAE

AULOPUS

Aulopus japonicus		(1-2)
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SYNODONTIDAE

LIZARDFISHES

Harpadon neherius	Bombay duck	(1-1)
Synodus variegatus		(1-3)

ORDER OPHIDIIFORMES

OPHIDIIDAE

CUSK-EELS

Brotula multibarbata		(1-1)
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ORDER GADIFORMES

MORIDAE	MORAS	
Gadella maraldi		(1-1)

ORDER BATRACHOIDIFORMES

BATRACHOIDIDAE	TOADFISHES	
Thalassophryne clarvi	toadfish	(1-2)

ORDER LOPHIIFORMES

ANTENNARIIDAE	FROGFISHES	
Antennarius drombus		(1-3)
Antennarius phymatodes	wart-skin frogfish	(1-1)
Antennatus bigibbas	frogfish	(1-1)

ORDER MUGILIFORMES

MUGILIDAE	MULLETS	
Mugil corsula	(Bangladesh)	(1-1)
Neomyxus chaptalii	uouoa	(1-3)

ORDER ATHERINIFORMES

ATHERINIDAE	SILVERSIDES	
Craterocephalus marianae	Mariana's hardyheads	(1-8)
Melanotaenia marculochi	dwarf Australian rainbow	(1-1)

MELANOTAENIIDAE	RAINBOWFISHES	
Melanotaenia splendida	red-tailed rainbow fish	(1-6)

TELMATHERINIDAE	CELEBES RAINBOWFISHES	
Telmatherina ladigesii	celebes rainbow fish	(1-3)

ORDER BELONIFORMES

BELONIDAE	NEEDLEFISHES	
Strongylura kreffti	freshwater longtom	
	(Australia)	(2-4)
Strongylura stolzmanni	(Galapagos Island)	(1-1)
Xenentodon cancila	needlefish	(3-8)

HEMIRAMPHIDAE	HALFBEAKS	
Hemiramphus gairmardi	halfbeak (Bangladesh)	(2-6)
Zenarchopterus novae		(1-2)
ORDER CYPRINODONTIFORMES		
ANABLEPHIDAE	FOUR-EYED FISHES	
Anableps anableps		(2-2)
Anableps dowei	four-eyed fish	(1-9)
APLOCHEILIDAE	RIVULINES	
Aplocheilus panchax		(7-9)
GOODEIDAE	SPLITFINS	
Ilyodon furcidens		(2-2023)
Termichthys multiradiatus		(1-4)
POECILIIDAE	POECILIIDS	
Poecilia reticulatus	guppy	(2-177)
Poecilia velifera		(1-25)
Xiphophorus montezumae		(1-4)
ORDER BERYCIFORMES		
HOLOCENTRIDAE	SQUIRRELFISHES	
Adioryx ruber	African squirrelfish	(1-2)
Holocentrus diadema		(1-11)
Holocentrus lacteoguttatus	ala-i-jhi	(2-24)
Holocentrus microstomus		(1-1)
Holocentrus ruber	(East Indies)	(1-2)
Myripristis berndti	menpachi	(1-37)
ORDER GASTEROSTEIFORMES		
AULORHYNCHIDAE	TUBESNOUTS	
Aulorhynchus flavidus		(1-1)
AULOSTOMIDAE	TRUMPETFISHES	
Aulostomus chinensis	nunu	(1-4)
SYNGNATHIDAE	PIPEFISHES & SEAHORSES	
Doryhamphus melanopleura		(1-5)
Dunkercampus dactyliophorus	zebra pipefish	(2-5)
Hippocampus sp.	yellow seahorse	(1-1)

Syngthatidae continued

Hippocampus histrix	(1-1)
Hippocampus stylifer	(1-1)

ORDER SYNBRANCHIFORMES

MASTACEMBELIDAE	SPINY EELS	
Macrognathus aculeatus	freshwater eel (Bangladesh)	(4-10)
Mastacembelus argus	(Bangladesh)	(1-2)
Mastacembelus armatus	(Bangladesh)	(2-5)
Mastacembelus circumcinctus	spiny eel	(3-10)
Mastacembelus erythrotaenia	spotted fire eel	(1-1)
Mastacembelus pancalus	freshwater eel (Bangladesh)	(3-8)
Mastacembelus sinensis		(1-2)
SYNBRANCHIDAE	SWAMP-EELS	
Fluta alba		(1-1)

ORDER SCORPAENIFORMES

DACTYLOPTERIDAE	FLYING GURNARDS	
Dactylopterus orientalis	purple flying gurnard	(1-1)
PLATYCEPHALIDAE	FLATHEADS	
Insidiator meeroevorfii	(Japan)	(1-2)
SCORPAENIDAE	SCORPIONFISHES	
Amblyapistus taenianotus	rouge fish	(1-1)
Dendrochirus brachypterus	turkey fish	(3-5)
Neomerinthe macrocephala	O'opu Kai Nohu	(1-2)
Paracentropogon longispinis	wispy scorpionfish	(1-1)
Pterois autennata	spotted lionfish	(2-2)
Pterois sphex	lionfish	(1-2)
Pterois volitans	Hawaiian lionfish	(2-3)
Scorpaena ballieui	lionfish	(3-4)
Scorpaenopsis gibbosa		(1-8)
SYNANCEIIDAE	STONEFISHES	
Inimicus didactylus	popeyed sea goblin	(3-3)
TRIGLIDAE	SEAROBINS	
Lepidotrigla japonica	unarmored sea-robin	(1-2)

ORDER PERCIFORMES

ACANTHURIDAE

Acanthurus achilles
 Acanthurus japonicus
 Acanthurus leucosternon
 Acanthurus lineatus
 Acanthurus mata
 Acanthurus nigrofuscus
 Acanthurus nigruris
 Acanthurus olivaceus
 Acanthurus sandvicensis
 Acanthurus tristegus
 Balistapus undulatus
 Ctenochaetus striatus
 Ctenochaetus strigosus
 Hepatus triostagus
 Naso lituratus
 Paracanthus hepatus
 Zanclus canescens
 Zebrasoma desjardini
 Zebrasoma flavescens
 Zebrasoma veliferum

SURGEONFISHES

red-tailed surgeon (3-8)
 golden-rimmed surgeon (2-4)
 powderblue surgeon (4-4)
 clown surgeon (2-3)
 paula (1-21)
 (1-8)
 maiko (1-5)
 olive surgeon (2-3)
 manini (2-145)
 convict tang (1-1)
 (East Indies) (1-1)
 cheuron tang (1-1)
 kole (6-16)
 (East Indies) (1-1)
 Japanese tang (4-5)
 blue tang (5-7)
 moorish idol (2-2)
 sailfin tang (1-3)
 yellow tang (5-6)
 sailfin tang (3-3)

ANABANTIDAE

Anabas testudineus

CLIMBING GOURAMIES

climbing perch (3-10)

APOGONIDAE

Apogon binotatus
 Apogon giellerupi
 Apogon lineatus
 Apogon nematopterus
 Apogon snyderi
 Apogon waikiki
 Glossamia aprion

CARDINALFISHES

barred cardinalfish (2-2)
 (New Guinea) (1-2)
 (1-4)
 (1-1)
 upapalu (1-70)
 (1-1)
 mouth almighty (1-6)

BELONTIIDAE

Betta splendens
 Colisa fasciata
 Colisa lalia
 Helastoma rudophi
 Helastoma temmincki
 Macropodus opercularis
 Trichogaster leeri
 Trichogaster trichopterus

GOURAMIES

Siamese fighting fish (2-4)
 (Bangladesh) (5-11)
 dwarf gourami (7-68)
 kissing gourami (1-1)
 kissing gourami (1-82)
 paradise fish (1-4)
 pearl gourami (3-32)
 blue gourami (2-3)

BLENNIIDAE

Cirripectes variolosus
 Entomacrodus marmoratus
 Exallias brevis
 Istiblennius gibbifrons

COMBTOOTH BLENNIES

(1-8)
 (1-1)
 Hawaii sailfin blenny (1-2)
 (1-13)

Blenniidae continued

Istiblennius moleagris		(1-1)
Istiblennius zebra	rockskipper or panaoa	(2-80)
CALLIONYMIDAE	DRAGONETS	
Callionymus richardsoni		(1-2)
Synchiropus picturatus	psychodelic fish	(2-2)
Synchiropus splendidus	mandrin	(4-6)
CARANGIDAE	JACKS	
Caranx ignobilis		(1-1)
Caranx matelundini		(1-2)
Decapterus innulatus		(1-1)
Decapterus russellii		(1-2)
CENTROPOMIDAE	SNOOKS	
Lates calcarifera	barramundi (Australia)	(1-1)
CHAETODONTIDAE	BUTTERFLYFISHES	
Anisochaetodon aurigo		(1-2)
Chaetodon adiergastos	Philippine butterflyfish	(1-2)
Chaetodon argentatus		(1-3)
Chaetodon aruga	threadfin butterflyfish	(3-6)
Chaetodon chrysurus		(1-3)
Chaetodon collaris	Pakistani butterflyfish	(1-1)
Chaetodon fremblii	bluestriped butterflyfish	(2-2)
Chaetodon lineolatus	lined butterflyfish	(1-1)
Chaetodon lunula	raccoon butterflyfish	(3-10)
Chaetodon melanotus	black-backed butterflyfish	(2-2)
Chaetodon miliaris		(1-15)
Chaetodon multicinctus	pebbled butterflyfish	(4-6)
Chaetodon octofasciatus	eight-banded butterflyfish	(1-5)
Chaetodon ornatissimus	clown butterflyfish	(1-1)
Chaetodon punctato-fasciatus	peenta butterflyfish	(1-2)
Chaetodon quadrimaculatus	four-spot butterflyfish	(1-2)
Chaetodon reticulatus	reticulated butterflyfish	(1-1)
Chaetodon sedentarius	reef butterflyfish	(1-1)
Chaetodon sphaerium		(1-1)
Chaetodon striatus	banded butterflyfish	(2-2)
Chaetodon trifasciatus	rainbow butterflyfish	(1-1)
Chaetodon triangulum	triangle butterflyfish	(1-1)
Chaetodon unimaculatus	one-spot butterflyfish	(1-2)
Chaetodon vagabondus	vagabond butterflyfish	(2-2)
Chaetodon xanthurus	cross hatch butterflyfish	(1-1)
Chelmon rostratus	copper-banded butterflyfish	(4-4)
Forcipiger flavissimus	long-nosed butterflyfish	(4-6)
Hemitaenichthys polyepis	pyramid butterflyfish	(1-2)
Heniochus acuminatus	wimplefish	(2-3)
Heniochus chrysostomus	three-banded bullfish	(2-2)
Heniochus varius	sea bull	(1-2)

CHANDIDAE

Ambassis agrammus
 Ambassis baculis
 Ambassis mackayi
 Ambassis miops
 Ambassis nama
 Ambassis ranga

ASIATIC GLASSFISHES

sailfin glassfish (1-8)
 chanda (Bangladesh) (3-11)
 reticulated glassfish (1-10)
 asiatic glassfish (Samoa) (1-1)
 chanda (3-14)
 (1-10)

CHANNIDAE

Channa gachua
 Channa marulius
 Channa obscurus
 Channa punctatus
 Channa striatus

SNAKEHEADS

snakehead (4-18)
 snakehead (3-7)
 (Congo) (1-2)
 snakehead (4-16)
 snakehead (3-5)

CICHLIDAE

Aequidens pucher
 Apistogramma ramirezi
 Apistogramma reitzigi
 Aulonocara nyassae
 Cichlasoma biocellatum
 Cichlasoma saluini
 Cichlasoma severum
 Cichlasoma umbrifera
 Etroplus maculatus
 Geophagus jurupari
 Haplochromis livingstonii
 Labeotropheus trawavasae
 Lamprologus bricharoi
 Melanochromis exasperatus
 Pelmatochromis kribensis
 Petrotilapia tridentiger
 Pseudotropheus auratus
 Pseudotropheus edwardii
 Pseudotropheus lucerna
 Pseudotropheus tropheops
 Pseudotropheus zebra
 Pterophyllum eimekei
 Symphysodon aequifasciata
 Symphysodon bimaculatum
 Symphysodon discus

CICHLIDS

blue acara (1-4)
 yellow dwarf cichlid (2-31)
 ram cichlid (1-12)
 peacock blue cichlid (2-2)
 Jack Dempsey (1-1)
 (1-5)
 banded cichlid (1-15)
 mojarra (1-2)
 orange chromide (1-5)
 (1-2)
 (1-4)
 (2-2)
 (1-2)
 (2-2)
 (2-2)
 kribensis (2-4)
 (2-4)
 Golden Lake cichlid (3-12)
 (1-2)
 (1-2)
 black-edged lake cichlid (2-2)
 tangerine zebra (1-1)
 anglefish (3-515)
 discus (2-6)
 (British Guiana) (1-3)
 pompadour (1-4)

CIRRHITIDAE

Cirrhitichthys aprinus
 Cirrhitichthys bimacula
 Paracirrhites arcatus

HAWKFISHES

spotted hawkfish (1-1)
 (1-8)
 (1-1)

ELEOTRIDAE

Butis butis
 Eleotris fusca
 Hypseleotris compressa
 Mogurnda mogurnda

SLEEPERS

crimson tipped flathead (1-2)
 sleeper Samoa (1-2)
 empire gudgeon (1-15)
 purple spotted gudgeon (1-1)

Eleotridae continued

Ophiocara porocephala	snakehead gudgeon	(2-4)
Oxyeleotris sp.	black banded gudgeon	(1-9)
EPHIPPIDAE	SPADEFISHES	
Platax orbicularis		(3-5)
Platax pinnatus		(1-1)
Platax teira		(4-4)
GERREIDAE	MOJARRAS	
Eucinostomus californiensis		(1-1)
GOBIIDAE	GOBIES	
Acentrogobius caninus		(1-7)
Bathygobius fuscus		(1-57)
Brachygobius xanthozoma	bumblebee	(1-6)
Drombus triangularis	(Australia)	(1-8)
Eleotroides strigatus	golden-headed goby	(1-1)
Glossogobius griuis	goby (Bangladesh)	(3-8)
Gobiodon quinquestriagatus	five-lined goby	(1-1)
Gobiosoma everlynae	sharknose goby	(1-3)
Oxyurichthys heisei		(1-2)
Oxyurichthys ophthalmonema		(1-1)
Oxyurichthys peloplectera		(1-2)
Oxyurichthys takagi		(1-4)
Oxyurichthys viridis	saddletail goby	(1-1)
Periophthalmus cantonensis	mudskipper	(1-34)
Pogonoculius zebra	zebra goby	(1-1)
Ptereleotris splendidum	fire fish	(2-2)
Ptereleotris tricolor	scissortail goby	(1-1)
Sicyopterus pugnans	(Samoa)	(1-2)
Sicyopterus taeniunum	(Samoa)	(1-3)
GRAMMATIDAE	BASSLETS	
Gramma loreta	royal gramma	(1-10)
Gramma melacara	blackcap basslet	(1-1)
GRAMMISTIDAE	SOAPFISHES	
Pseudogramma polyacantha		(1-1)
HAEMULIDAE	GRUNTS	
Plectorhynchus chaetodonoides	polka-dot grunt	(1-1)
Plectorhynchus albivittatus	yellow-lined sweetlips	(2-4)
KUHLIIDAE	FLAGTAILS	
Kuhlia rupestris	(Samoa)	(1-2)
Kuhlia salelea	(Samoa)	(1-2)
Kuhlia sandvicensis		(1-14)
KURTIDAE	NURSERYFISHES	
Kurtus gulliveri	(Australia)	(1-6)

LABRIDAE	WRASSES	
Anampses cuvieri	opule or hilu	(2-2)
Anampses rubrocaudatus	red-tailed wrasse	(1-1)
Bodianus mesothorax	black-belt wrasse	(1-1)
Cheilio inermis	kupoupou	(1-2)
Coris gaimard	red labrid	(2-3)
Coris venusta		(1-1)
Gomphosus varius	ak'-lolo or hinalea	(1-3)
Halichoeres hortulanus	checkerboard wrasse	(1-2)
Halichoeres trimaculatus		(1-1)
Hemigynus melapterus	half & half wrasse	(1-1)
Hemipteronotus taeniurus	dragon wrasse	(1-1)
Labroides dinidatus	cleaner wrasse	(4-12)
Labroides phthirophagus	Hawaiian cleaner wrasse	(1-2)
Macropharyngodon	leopard wrasse	(1-2)
Stethojulis axillaris	omaka	(2-32)
Thalassoma amplycephalus	paddlefin wrasse	(1-1)
Thalassoma ballieui	hinalea lauhine	(1-21)
Thalassoma lutescens	yellow corris	(1-4)
Thalassoma umbrostigma		(1-28)
Xyrichtys taeniourus	pearscale razorfish	(2-3)
LEIOGNATHIDAE	PONYFISHES	
Gazza minuta		(1-1)
Leiognathus rivulatus		(1-1)
LETHRINIDAE	SCAVENGERS	
Lethrinus ornatus	(East Indies)	(1-2)
LOBOTIDAE	TRIPLETAILS	
Datnioides quadrifaciatus	four barred tigerfish	(1-2)
LUTJANIDAE	SNAPPERS	
Lutjanus occussarus	(East Indies)	(1-1)
Lutjanus sebae	emperor snapper	(1-1)
MONODACTYLIDAE	MOONFISHES	
Monodactylus argenteus	Malayan angel	(1-12)
MULLIDAE	GOATFISHES	
Mulloidichthys samoensis	weke or weke-A'A	(2-5)
Parupeneus barberinoides	half-and-half goatfish	(1-4)
Parupeneus chryserydros	moano kea	(1-2)
Parupeneus macronema		(1-2)
Parupeneus multifasciatus	moana	(1-1)
Parupeneus porphyreus	kuma	(2-5)
Upeneus parvus	dwarf goatfish	(1-1)
NANDIDAE	LEAFFISHES	
Nandus nandus	leaf fish (Bangladesh)	(3-8)
Badis badis	(Bangladesh)	(2-6)

NOTOTHENIIDAE	COD ICEFISHES	
<i>Notothenia coriiceps</i>		(1-2)
OPISTOGNATHIDAE	JAWFISHES	
<i>Opistognathus aurifrons</i>	yellowhead jawfish	(2-3)
<i>Opistognathus macrognathus</i>	longjaw jawfish	(1-1)
POMACANTHIDAE	ANGELFISHES	
<i>Apolemichthys trimaculatus</i>	three-spotted angelfish	(1-2)
<i>Centropyge bicolor</i>	oriole angelfish	(6-7)
<i>Centropyge bispinosus</i>	coral beauty	(3-3)
<i>Centropyge eibli</i>	eibli angelfish	(2-4)
<i>Centropyge ferrugatus</i>	rusty angelfish	(3-3)
<i>Centropyge heraldi</i>	Herald's angelfish	(2-6)
<i>Centropyge loriculus</i>	flaming angelfish	(3-5)
<i>Centropyge potteri</i>	russet angelfish	(4-4)
<i>Centropygetibicen</i>	key hole angelfish	(2-2)
<i>Centropyge uroliki</i>	pearl-scaled angelfish	(3-5)
<i>Chaetodontoplus melanosoma</i>	black velvet angelfish	(2-2)
<i>Chaetodontoplus mesoleucus</i>	vermiculated angelfish	(2-3)
<i>Euxiphipos navarchus</i>	blue-girdled angelfish	(2-3)
<i>Euxiphipos xanthometapon</i>	yellow-faced angelfish	(1-1)
<i>Genicanthus fucosus</i>	Japanese swallow	(1-1)
<i>Genicanthus lamark</i>	Lamark's angelfish	(1-2)
<i>Holacanthus ciliaris</i>	queen angelfish	(4-8)
<i>Holacanthus tricolor</i>	rock beauty	(1-2)
<i>Pomacanthus imperator</i>	emperor angelfish	(1-1)
<i>Pomacanthus paru</i>	French angelfish	(3-3)
<i>Pomacanthus semicirculatus</i>	semicircle angelfish	(4-6)
<i>Pygoplites diacanthus</i>	royal queen angel	(1-5)
POMACENTRIDAE	DAMSELFISHES	
<i>Abudefduf bitaeniatus</i>	yellow-tailed chromis	(1-1)
<i>Abudefduf curacae</i>	three striped damselfish	(1-1)
<i>Abudefduf imparipennis</i>		(1-13)
<i>Abudefduf melanochir</i>	yellowtail damselfish	(1-1)
<i>Abudefduf melanopus</i>	yellow-backed damsel	(1-1)
<i>Abudefduf oxyodon</i>	black velvet damselfish	(1-1)
<i>Abudefduf parasema</i>	yellow-tailed blue damsel	(1-1)
<i>Abudefduf sardidus</i>	kupipi	(1-105)
<i>Abudefduf uniocellatus</i>	ocellated damselfish	(1-1)
<i>Abudefduf xanthonatus</i>		(1-1)
<i>Amphiprion akollopisos</i>	skunk-stiped anemonfish	(1-3)
<i>Amphiprion clarkii</i>	yellow-tailed anemonfish	(6-7)
<i>Amphiprion ephippium</i>	saddle anemonfish	(1-1)
<i>Amphiprion frenatus</i>	tomato clownfish	(3-4)
<i>Amphiprion nigripes</i>	Indian Ocean pink skunk clown	(1-1)
<i>Amphiprion ocellaris</i>	clown anemonfish	(2-6)
<i>Amphiprion periderion</i>	pink skunk clownfish	(1-1)
<i>Amphiprion polymnus</i>	saddleback clownfish	(1-1)
<i>Amphiprion sandaracinos</i>	orange skunk clownfish	(1-2)

Pomacentridae continued

Chromis atripictoralis	blue chromis	(1-2)
Chromis cyanea	blue chromis	(1-1)
Chromis dimidiatus		(1-2)
Dascyllus acuanus	white-tailed damselfish	(1-2)
Dascyllus menlanurus	black-tailed damselfish	(1-1)
Damscyllus reticulatus	reticulated damsel	(1-1)
Dascyllus trimaculatus	domino damselfish	(1-2)
Eupomacentrus leucostictus	beau gregory	(1-1)
Hypsypops rubicunds	garibaldi	(2-2)
Microspathodon chrysurus		(1-2)
Pomacentrus coelestis	blue damselfish	(1-1)
Pomacentrus jenkinsi		(1-18)
Pomacentrus partitus	bicolor damselfish	(1-1)
Premnas biaculeatus	maroon clownfish	(2-2)
Spilotichthys pictus	sweetlips	(1-1)
SCARIDAE	PARROTFISHES	
Bolbometopon bicolor	red and white parrotfish	(2-2)
SCATOPHAGIDAE	SCATS	
Scatophagus argus		(1-2)
SCIAENIDAE	DRUMS	
Sciaenoides pama	pama pama (Bangladesh)	(1-2)
SERRANIDAE	SEA BASSES	
Epinephelides		
coeruleopunctatus	bluespotted grouper	(1-1)
Hypoplectrodes guttavarius	shy hamlet	(1-2)
Mirolabrichthys tuka	purple queen	(2-3)
SIGANIDAE	RABBITFISHES	
Lo vulpinus	fox face lo	(1-1)
SPARIDAE	PORGIES	
Boops sp.		(1-2)
TERAPONIDAE	GRUNTERS	
Amniataba percoides	banded grunter	(1-7)
Hephaestus fuliginosus	sooty grunter	(2-4)
Leiopotherapon unicolor	spangled grunter	(1-6)
TOXOTIDAE	ARCHERFISHES	
Toxotes chatereus		(2-9)
Toxotes jaculator		(2-6)
ZANCLIDAE	MOORISH IDOL	
Zanclus canescens	moorish idol	(2-2)

ORDER PLEURONECTIFORMES

BOTHIDAE	LEFTEYE FLOUNDERS	
<i>Bothus bleekeri</i>		(1-1)
<i>Davalichthys squamilentis</i>		(1-1)
CYNOGLOSSIDAE	TONGUEFISHES	
<i>Araliocus interrupterus</i>		(1-2)
PLEURONECTIDAE	RIGHTEYE FLOUNDERS	
<i>Kareius bicoloratus</i>		(1-1)

ORDER TETRAODONTIFORMES

BALISTIDAE	LEATHERJACKETS	
<i>Balistapus rectanguis</i>		(1-2)
<i>Balistoides niger</i>	clown triggerfish	(1-1)
<i>Pseudobalistes fuscus</i>	decorated triggerfish	(1-1)
<i>Rhinecanthus aculeatus</i>	huma-huma-nuta-nuha	(1-1)
<i>Rhinecanthus rectangulus</i>	rectangle triggerfish	(1-1)
<i>Rhinecanthus verrucosus</i>	black-bellied triggerfish	(1-2)
MONACANTHIDAE	FILEFISHES	
<i>Amanses sandwichiensis</i>		(1-1)
<i>Oxymonanthus longirostris</i>	longnose filefish	(1-1)
<i>Pervagor pilosoma</i>	o'ili awiwi	(2-5)
OSTRACIIDAE	BOXFISHES	
<i>Lactoria cornuta</i>	long-horned cowfish	(2-5)
<i>Ostracion lentiginosus</i>	spangled boxfish	(2-7)
<i>Ostracion meleagris</i>	spotted boxfish	(1-1)
<i>Tetrosomus gibbosus</i>	hovercraft	(2-2)
TETRAODONTIDAE	PUFFERS	
<i>Canthigaster amboimensis</i>	pu'u-ola'l	(1-2)
<i>Canthigaster jactator</i>		(1-5)
<i>Canthigaster valentini</i>	sharpnose puffer	(1-2)
<i>Sphoeroides oblongus</i>	puffer	(1-1)
<i>Tetraodon cutcutia</i>		(2-8)
<i>Tetraodon fluviatilis</i>	puffer fish	(1-24)
<i>Tetraodon palembangensis</i>		(1-20)
<i>Tetraodon patoco</i>	puffer	(1-1)

NEU