

## VAL KELLS – MARINE SCIENCE ILLUSTRATION

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### STOCK IDENTIFICATION ILLUSTRATIONS

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#### Atlantic Marine and Anadromous Fishes

Acadian redfish	Sebastes	fasciatus
African pompano	Alectis	ciliaris
Alabama shad	Alosa	alabamae
Alewife	Alosa	pseudoharengus
Alligatorfish	Aspidophoroides	monopterygius
Almaco jack	Seriola	rivoliana
American eel	Anguilla	rostrata
American sand lance	Ammodytes	americanus
American shad	Alosa	sapidissima
Apricot bass	Plectranthias	garrupellus
Arctic staghorn sculpin	Gymnocanthus	tricuspis
Armored searobin	Peristedion	miniatum
Atlantic agujon	Tylosurus	acus
Atlantic angel shark	Squatina	dumeril
Atlantic argentine	Argentina	silus
Atlantic bearded brotula	Brotula	barbata
Atlantic bluefin tuna	Thunnus	thynnus
Atlantic bonito	Sarda	sarda
Atlantic bumper	Chloroscombrus	chrysurus
Atlantic cod	Gadus	morhua
Atlantic creolefish	Paranthias	furcifer
Atlantic croaker	Micropogonias	undulatus
Atlantic flyingfish	Cheilopogon	melanurus
Atlantic guitarfish	Rhinobatos	lentiginosus
Atlantic hagfish	Myxine	glutinosa
Atlantic herring	Clupea	harengus
Atlantic hookear sculpin	Artediellus	atlanticus
Atlantic menhaden	Brevoortia	tyrannus
Atlantic midshipman	Porichthys	plectrodon
Atlantic moonfish	Selene	setapinnis
Atlantic needlefish	Strongylura	marina
Atlantic salmon	Salmo	salar
Atlantic saury	Scomberesox	saurus
Atlantic seasnail	Liparis	atlanticus
Atlantic sharpnose shark	Rhizoprionodon	terraenovae
Atlantic silverside	Menidia	menidia

Atlantic soft pout	Melanostigma	atlanticum
Atlantic spadefish	Chaetodipterus	faber
Atlantic spearnose chimaera	Rhinochimaera	atlantica
Atlantic spiny lump sucker	Eumicrotremus	spinosus
Atlantic stingray	Dasyatis	sabina
Atlantic sturgeon	Acipenser	oxyrhynchus
Atlantic thread herring	Opisthonema	oglinum
Atlantic threadfin	Polydactylus	octonemus
Atlantic tomcod	Microgadus	tomcod
Atlantic torpedo	Torpedo	nobiliana
Atlantic trumpetfish	Aulostomus	maculatus
Atlantic wolffish	Anarhichas	lupus
Balao	Hemiramphus	balao
Balloonfish	Diodon	holocanthus
Ballyhoo	Hemiramphus	brasiliensis
Banded butterflyfish	Chaetodon	striatus
Banded pipefish	Halicampus	crinitus
Banded jawfish	Opistognathus	macrogathus
Bandtail searobin	Prionotus	ophryas
Bank cusk-eel	Ophidion	holbrookii
Bank sea bass	Centropristis	ocyurus
Barbfish	Scorpaena	brasiliensis
Barndoor skate	Dipturus	laevis
Barred cardinalfish	Apogon	binotatus
Barred grunt	Conodon	nobilis
Barred hamlet	Hypoplectrus	puella
Basking shark	Cetorhinus	maximus
Bay anchovy	Anchoa	mitchilli
Bayou killifish - M & F	Fundulus	pulvereus
Bearded goby	Barbulifer	ceuthoecus
Beardfish	Polymixia	lowei
Beaugregory	Pomacentrus	leucostictus
Belted cardinalfish	Apogon	townsendi
Belted sandfish	Serranus	subligarius
Bermuda chub	Kyphosus	sectatrix
Bicolor basslet	Lipogramma	klayi
Bicolor damselfish	Pomacentrus	partitus
Big roughy	Gephyroberyx	darwinii
Bigeye	Priacanthus	arenatus
Bigeye scad	Selar	crumenophthalmus
Bigeye soldierfish	Ostichthys	trachypoma
Bigeye thresher	Alopias	superciliosus
Bigeye tuna	Thunnus	obesus
Bighead searobin	Prionotus	tribulus
Bignose shark	Carcharhinus	altimus
Bigtooth cardinalfish	Apogon	affinis

Black dogfish	Centroscyllium	fabricii
Black drum	Pogonias	cromis
Black grouper	Mycteroperca	bonaci
Black hamlet	Hypoplectrus	nigricans
Black jack	Caranx	lugubris
Black margate	Anisotremus	surinamensis
Black sea bass	Centropristis	striata
Black snake mackerel	Nealotus	tripes
Blackbar soldierfish	Myripristis	jacobus
Blackbelly rosefish	Helicolenus	dactylopterus
Blackcap basslet	Gramma	melacara
Blackcheek tonguefish	Symphurus	plagiusa
Blackear bass	Serranus	atrobranchus
Blackedge cusk-eel	Lepophidium	brevibarbe
Blackedge moray	Gymnothorax	nigromarginatus
Blackfin cardinalfish	Astrapogon	puncticulatus
Blackfin snapper	Lutjanus	buccanella
Blacknose shark	Carcharhinus	acronotus
Blackspotted stickleback	Gasterosteus	wheatlandi
Blacktail moray	Gymnothorax	kolpos
Blacktip shark	Carcharhinus	limbatus
Blackwing flyingfish	Hirundichthys	rondeletii
Blackwing searobin	Prionotus	rubio
Blotched cusk-eel	Ophidion	grayi
Blue angelfish	Holacanthus	bermudensis
Blue chromis	Chromis	cyanea
Blue hamlet	Hypoplectrus	gemma
Blue parrotfish - terminal	Scarus	coeruleus
Blue runner	Caranx	crysos
Blue shark	Prionace	glauca
Blue tang - adult & juv.	Acanthurus	coeruleus
Bluefish	Pomatomus	saltatrix
Blueback herring	Alosa	aestivalis
Bluehead - terminal & initial	Thalassoma	bifasciatum
Blueline tilefish	Caulolatilus	cyanops
Bluespotted cornetfish	Fistularia	tabacaria
Bluespotted searobin	Prionotus	roseus
Bluestriped grunt	Haemulon	sciurus
Bluntnose jack	Hemicaranx	amblyrhynchus
Bluntnose stingray	Dasyatis	say
Bonefish	Albula	vulpes
Bonnethead	Sphyrna	tiburo
Bramble shark	Echinorhinus	brucus
Bridle cardinalfish	Apogon	aurolineatus
Broadband lantern shark	Etmopterus	gracilispinis
Broadsaddle cardinalfish	Apogon	pillionatus

Bronze cardinalfish	Astrapogon	alutus
Brown chromis	Chromis	multilineata
Brown driftfish	Ariomma	melanum
Buckler dory	Zenopsis	conchifera
Bucktooth parrotfish- terminal	Sparisoma	radians
Bull shark	Carcharinus	leucus
Bulleye	Cookeolus	japonicus
Bullnose ray	Myliobatis	freminvillei
Butter hamlet	Hypoplectrus	unicolor
Candy basslet	Liopropoma	carmabi
Capelin	Mallotus	villosus
Cardinal soldierfish	Plectrypops	retrospinis
Caribbean longsnout butterflyfish	Chaetodon	aculeatus
Carolina hake	Urophycis	earllii
Cave basslet	Liopropoma	mowbrayi
Chain dogfish	Scyliohinus	retifer
Chain moray	Echidna	catenata
Chain pipefish	Syngnathus	louisianae
Chalk bass	Serranus	tortugarum
Cherubfish	Centropyge	argi
Chestnut moray	Enchelycore	carychroa
Clearnose skate	Raja	eglanteria
Clearwing flyingfish	Cypselurus	comatus
Clown wrasse - terminal	Halichoeres	maculipinna
Cobia	Rachycentron	canadum
Cocoa damselfish	Pomacentrus	variabilis
Common remora	Remora	remora
Common snook	Centropomus	undecimalis
Conchfish	Astrapogon	stellatus
Coney - three phases	Epinephelus	fulvus
Conger eel	Conger	oceanicus
Coral scorpionfish	Scorpaena	albifimbria
Cottonmouth jack	Uraspis	secunda
Cottonwick	Haemulon	melanurum
Cownose ray	Rhinoptera	bonasus
Crested blenny	Hypleurochilus	geminatus
Crested cusk-eel - M & F	Ophidion	josephi
Crested pipefish	Cosmocampus	brachycephalus
Crevalle jack	Caranx	hippos
Cuban dogfish	Squalus	cubensis
Cubbyu	Equetus	umbrosus
Cubera snapper	Lutjanus	cyanopterus
Cusk	Brosme	brosme
Daubed shanny	Lumpenus	maculatus
Deepreef scorpionfish	Scorpaenodes	tredecimspinosus
Deepwater chimaera	Hydrolagus	affinis

Deepwater squirrelfish	Sargocentron	bullisi
Devil ray	Mobula	hypostoma
Diamond killifish - M	Adinia	xenica
Doctorfish	Acanthurus	chirurgus
Dusky anchovy	Anchoa	lyolepis
Dusky cardinalfish	Phaeoptyx	pigmentaria
Dusky pipefish	Syngnathus	floridae
Dusky shark	Carcharhinus	obscurus
Dusky squirrelfish	Holocentrus	vexillarius
Dwarf frogfish	Antennarius	pauciradiatus
Dwarf herring	Jenkinsia	lamprotaenia
Dwarf goatfish	Upeneus	parvus
Dwarf sand perch	Diplectrum	bivittatum
Dwarf seahorse	Hippocampus	zosteriae
Dwarf wrasse	Doratonotus	megalepis
Eastern mosquitofish - M & F	Gambusia	holbrooki
Escolar	Lepidocybium	flavobrunneum
Eyed flounder	Bothus	ocellatus
Fairy basslet	Gramma	loreto
Fantail mullet	Mugil	trichodon
False pilchard	Harengula	clupeola
False silverstripe halfbeak	Hyporhamphus	meeki
Fawn cusk-eel	Lepophidum	profundorum
Feather blenny	Hypsoblennius	hentzi
Finescale menhaden	Brevoortia	gunteri
Finetooth shark	Carcharhinus	isodon
Flameback pygmy angelfish	Centropyge	aurantonotus
Flamefish	Apogon	maculatus
Flat needlefish	Ablennes	hians
Florida pompano	Trachinotus	carolinus
Florida smoothhound	Mustelus	norrisi
Flying gurnard	Dactylopterus	volitans
Flying halfbeak	Euleptorhamphus	velox
Fourbeard rockling	Enchelyopus	cimbrius
Four-eye butterflyfish	Chaetodon	capistratus
Fourspine stickleback	Apeltes	quadracus
Fourwing flyingfish	Hirundichthys	affinis
Freckled cardinalfish	Phaeoptyx	conklini
Freckled skate	Leucoraja	lentiginosa
Freckled soapfish	Rypticus	bistrispinus
French angelfish - adult & juv.	Pomacanthus	paru
French grunt	Haemulon	flavolineatum
Frigate mackerel	Auxis	thazard
Fringed pipefish	Anarchopterus	criniger
Gafftopsail catfish	Bagre	marinus
Gag	Mycteroperca	microlepis

Giant manta	Manta	birostris
Gizzard shad	Dorosoma	cepedianum
Glasseye snapper	Heteropriacanthus	cruentatus
Golden hamlet	Hypoplectrus	gummigutta
Golden redfish	Sebastes	norvegicus
Goldentail moray	Gymnothorax	miliaris
Goldspotted eel	Myrichthys	ocellatus
Goldspotted killifish - M	Floridichthys	carpio
Goliath grouper	Epinephelus	itajara
Goosefish	Lophius	americanus
Goosehead scorpionfish	Scorpaena	bergi
Gray angelfish	Pomacanthus	arcuatus
Gray snapper	Lutjanus	griseus
Gray triggerfish	Balistes	capriscus
Graysby	Epinephelus	cruentatus
Great barracuda	Sphyrna	barracuda
Great hammerhead	Sphyrna	mokarran
Greater amberjack	Seriola	dumerili
Greater soapfish	Rypticus	saponaceus
Green moray	Gymnothorax	funnebris
Green razorfish	Xyrichtys	splendens
Greenland shark	Somniosus	microcephalus
Grubby	Myoxocephalus	aenaeus
Gulf hake	Urophycis	cirrata
Gulf killifish - M	Fundulus	grandis
Gulf kingfish	Menticirrhus	littoralis
Gulf menhaden	Brevoortia	patronus
Gulf pipefish - F	Syngnathus	scovelli
Gulf snailfish	Liparis	coheni
Gulf toadfish	Opsanus	beta
Gulf whiting (kingfish)	Menticirrhus	littoralis
Gulper shark	Centrophorus	granulosus
Haddock	Melanogrammus	aeglefinus
Hairy blenny- juv	Labrisomas	nuchipinnis
Hardhead catfish	Ariopsis	felis
Hardhead halfbeak	Chriodorus	atherinoides
Hardhead silverside	Atherinomorus	stipes
Harlequin bass	Serranus	tigrinus
Harlequin pipefish	Micrognathus	ensenadae
Hickory shad	Alosa	mediocris
High hat	Equetus	acuminatus
Highfin scorpionfish	Pontinus	rathbuni
Hogchoker	Trinectes	maculatus
Hogfish - adult	Lachnolaimus	maximus
Honeycomb cowfish	Lactophrys	polygonia
Honeycomb moray	Gymnothorax	saxicola

Horned searobin	Bellator	militaris
Horse-eye jack	Caranx	latus
Houndfish	Tylosurus	crocodilus
Indigo Hamlet	Hypoplectrus	indigo
Inland silverside	Menidia	beryllina
Inquiline snailfish	Liparis	inquilinus
Inshore lizardfish	Synodus	foetens
Jackknife fish	Equetus	lanceolatus
Jewfish - AKA Goliath grouper	Epinephelus	itajara
Lemon shark	Negaprion	brevirostris
Leopard toadfish	Opsanus	pardus
Liza	Mugil	liza
Keeltail needlefish	Platybelone	argalus
Kitefin shark	Dalatias	licha
Knobbed porgy	Calamus	nodosus
Ladyfish	Elops	saurus
Lane snapper	Lutjanus	synagris
Lantern bass	Serranus	baldwini
Largescale lizardfish	Saurida	brasiliensis
Large-tooth sawfish	Pristis	pristis
Least puffer	Sphoeroides	parvus
Lemon shark	Negaprion	brevirostris
Leopard searobin	Prionotus	scitulus
Lesser electric ray	Narcine	brasiliensis
Lined seahorse	Hippocampus	erectus
Lined sole	Achirus	lineatus
Little skate	Leucoraja	erinacea
Little tunny	Euthynnus	alletteratus
Longfin mako	Isurus	paucus
Longhorn sculpin	Myoxocephalus	octodecimspinosus
Longjaw squirrelfish	Neoniphon	marianus
Longlure frogfish	Antennarius	multiocellatus
Longnose killifish - M & F	Fundulus	similis
Longsnout seahorse	Hippocampus	reidi
Longspine scorpionfish	Pontinus	longispinis
Longspine snipefish	Macrorhamphosus	scolopax
Longspine squirrelfish	Holocentrus	rufus
Lookdown - adult & juv.	Selene	vomer
Longtail bass	Hemanthias	leptus
Lumpfish	Cyclopterus	lumpus
Mangrove rivulus	Rivulus	marmoratus
Marbled catshark	Galeus	arae
Marbled grouper	Dermatolepis	inermis
Margined flyingfish	Cheilopogon	cyanopterus
Marlin-spike	Nezumia	bairdii
Marlinsucker	Remora	osteochir

Masked goby	Coryphopterus	personatus
Mimic cardinalfish	Apogon	phenax
Misty grouper	Epinephelus	mystacinus
Molly miller	Scartella	cristata
Mosquitofish -male	Gambusia	affinis
Mottled cusk-eel	Lepophidium	jeannae
Mottled mojarra	Eucinostomus	lefroyi
Mountain mullet	Agonostomus	monticola
Moustache sculpin	Triglops	murrayi
Mummichog - M & F	Fundulus	heteroclitus
Mutton hamlet	Alphestes	afer
Mushroom scorpionfish	Scorpaena	inermis
Nassau grouper	Epinephelus	striatus
Neon goby	Gobiosoma	oceanops
Night sergeant	Abudefduf	taurus
Ninespine stickleback	Pungitius	pungitius
Northern kingfish	Menticirrhus	saxatillis
Northern pipefish	Syngnathus	fuscus
Northern puffer	Sphoeroides	maculatus
Northern searobin	Prionotus	carolinus
Northern stargazer	Astroscopus	guttatus
Nurse shark	Ginglymostoma	cirratum
Ocean surgeonfish	Acanthurus	bahianus
Ocean triggerfish	Canthidermis	sufflamen
Oceanic whitetip shark	Carcharhinus	longimanus
Ocellated frogfish	Antennarius	ocellatus
Offshore hake	Merluccius	albidus
Opah	Lampris	guttatus
Opossum pipefish	Microphis	brachyurus lineatus
Orange filefish	Aluterus	schoepfi
Orangeback bass	Serranus	annularis
Orangespotted filefish	Cantherhines	pulles
Oyster toadfish	Opsanus	tau
Pale cardinalfish	Apogon	planifrons
Palometa	Trachinotus	goodie
Pancake batfish	Halieutichthys	aculeatus
Peacock flounder	Bothus	lunatus
Pearlfish	Carapus	bermudensis
Pelagic stingray	Pteroplatytrygon	violacea
Peppermint basslet	Liopropoma	rubre
Peppermint goby	Coryphopterus	lipernus
Permit	Trachinotus	falcatus
Pigfish	Orthopristis	chrysoptera
Pilotfish	Naucrates	ductor
Pinfish	Lagadon	rhomboids
Pipehorse	Acentronura	dendriticus

Planehead filefish	Monacanthus	hispidus
Plumed scorpionfish	Scorpaena	grandicornis
Polar sculpin	Cottunculus	microps
Polka-dot batfish	Ogcocephalus	cubifrons
Polka-dot cusk-eel	Otophidium	omostigma
Pollock	Pollachius	virens
Porbeagle	Lamna	nasus
Porcupinefish	Diodon	hystrix
Porkfish	Anisotremus	virginicus
Portuguese shark	Centroscymnus	coelolepis
Princess parrotfish - terminal	Scarus	taeniopterus
Puddingwife - terminal	Halichoeres	radiatus
Pugnose pipefish	Bryx	dunckeri
Purple chromis/reeffish	Chromis	scotti
Purple-mouth moray	Gymnotthorax	vincinus
Pygmy sea bass	Serraniculus	pumilio
Queen angelfish - adult & juv.	Holacanthus	ciliaris
Queen triggerfish	Balistes	vetula
Radiated shanny	Ulvaria	subbifurcata
Rainbow smelt	Osmerus	mordax
Rainbow wrasse - terminal	Halichoeres	pictus
Rainwater killifish - M & F	Lucania	parva
Red barbier	Hemanthias	vivanus
Red cornetfish	Fistularia	petimba
Red dory	Cyttopsis	rosea
Red drum	Sciaenopus	ocellatus
Red grouper	Epinephelus	morio
Red hake	Urophycis	chuss
Red hind	Epinephelus	guttatus
Red lionfish	Pterois	volitans
Red lizardfish	Synodus	synodus
Red porgy	Pagrus	pagrus
Red snapper	Lutjanus	campechanus
Redfin needlefish	Strongylura	notata
Redlip blenny	Ophioblennius	atlanticus
Redspotted hawkfish	Amblycirrhitis	pinos
Redtail scad	Decapterus	tabl
Reef bass	Pseudogramma	gregoryi
Reef butterflyfish	Chaetodon	sedentarius
Reef scorpionfish	Scorpaenodes	caribbaeus
Reef shark	Carcharhinus	perezii
Reef silverside	Hypoatherina	harringtonensis
Reef squirrelfish	Sargocentron	coruscum
Reticulate moray	Muraena	retifera
Rimspine searobin	Peristedion	thompsoni
Rock beauty - adult & juv.	Holocanthus	tricolor

Rock gunnel	Pholis	gunnellus
Rock hind	Epinephelus	adscensionis
Rock sea bass	Centropristis	philadelphia
Rosette skate	Leucoraja	garmani
Rough triggerfish	Canthidermis	maculata
Rough scad	Trachurus	lathami
Rough silverside	Membras	martinica
Roughskin dogfish	Cirrhigaleus	asper
Roughtail stingray	Dasyatis	centrourea
Roughtongue bass	Pronotogrammus	martinicensis
Round herring	Etrumeus	teres
Roundel skate	Raja	texana
Rusty goby	Quisquilius	hipoliti
Saddled blenny	Malacoctenus	triangulatus
Sailfin molly - M & F	Poecilia	latipinna
Sailfin flyingfish	Parexocoetus	brachypterus
Saltmarsh topminnow	Fundulus	jenkinsi
Sand diver	Synodus	intermedius
Sand drum	Umbrina	coroides
Sand perch	Diplectrum	formosum
Sand seatrout	Cynoscion	arenarius
Sand tiger	Odontaspis	taurus
Sand tilefish	Malacanthus	plumieri
Sandbar shark	Carcharhinus	plumbeus
Sargassum pipefish	Syngnathus	pelagicus
Sargassum triggerfish	Xanthichthys	ringens
Sargassumfish	Histrio	histrio
Sawcheek cardinalfish	Apogon	quadrisquamatus
Scaled sardine	Harengula	jaguana
Scalloped hammerhead	Sphyrna	lewini
Scamp	Mycteroperca	phenax
School bass	Schultzea	beta
Scrawled filefish	Aluterus	scriptus
Sea lamprey	Petromyzon	marinus
Sea raven	Hemitripterus	americanus
Seaweed blenny	Parablennius	marmoreus
Sergeant major	Abudefduf	saxatilis
Sharksucker	Echeneis	naucrates
Sharpnose puffer	Canthigaster	rostrata
Sharpnose sevengill shark	Heptanchias	perlo
Sheepshead	Archosargus	probatocephalus
Sheepshead minnow	Cyprinodon	variegatus
Sheepshead porgy	Calamus	penna
Short bigeye	Pristigenys	alta
Shortfin mako	Isurus	oxyrinchus
Shortfin pipefish	Syngnathus	elucens

Shorthorn sculpin	Myoxocephalus	scorpius
Shortjaw lizardfish	Saurida	normani
Shortnose batfish	Ogcocephalus	nasutus
Shortwing searobin	Prionotus	stearnsi
Shrimp eel	Ophichthus	gomesi
Shy hamlet	Hypoplectrus	guttavarius
Silky shark	Carcharhinus	falciformes
Silver anchovy	Engraulis	eurystole
Silver hake	Merluccius	bilinearis
Silver perch	Bairdiella	chrysoura
Silver porgy	Diplodus	argenteus
Silver roughy	Hoplostethus	mediterraneus
Silver seatrout	Cynoscion	nothus
Singlespot frogfish	Antennarius	radiosus
Skilletfish	Gobiesox	strumosus
Skipjack herring	Alosa	chyrsochloris
Slender filefish	Monacanthus	tuckeri
Slender searobin	Peristedion	gracile
Slippery dick - terminal	Halichoeres	bivittatus
Smallscale fat snook	Centropomus	parallelus
Smalltail shark	Carcharhinus	porosus
Smalltooth sawfish	Pristis	pectinata
Smallwing flyingfish	Oxyporhamphus	micropterus similis
Smooth butterfly ray	Gymnura	micrura
Smooth dogfish	Mustelus	canis
Smooth hammerhead	Sphyrna	zygaena
Smooth puffer	Lagocephalus	laevigatus
Smooth skate	Malacoraja	senta
Smooth trunkfish	Lactophrys	triqueter
Smoothead scorpionfish	Scorpaena	calcarata
Snake mackerel	Gempylus	serpens
Snakefish	Trachinocephalus	myops
Snow bass	Serranus	chionaraia
Snowy grouper - adult	Epinephelus	niveatus
Southern eagle ray	Myliobatis	goodei
Southern flounder	Paralichthys	lethostigma
Southern hake	Urophycis	floridana
Southern kingfish	Menticirrhus	americanus
Southern sennet	Sphyrna	picudilla
Southern stargazer	Astroscopus	y-graecum
Southern stingray	Dasyatis	americana
Spadefish	Chaetodipterus	faber
Spanish flag	Gonioplectrus	hispanus
Spanish hogfish	Bodianus	rufus
Spanish mackerel	Scomberomorus	maculatus
Spanish sardine	Sardinella	aurita

Speckled hind	Epinephelus	drummondhayi
Speckled worm eel	Myrophis	punctatus
Spinner shark	Carcharhinus	brevipinna
Spiny butterfly ray	Gymnura	altavela
Spiny dogfish	Squalus	acanthias
Spiny searobin	Prionotus	alatus
Spinycheek soldierfish	Corniger	spinosus
Spinycheek scorpionfish	Neomerinthe	hemingwayi
Splendid alfonsino	Beryx	splendens
Spot	Leiostomus	xanthurus
Spotfin butterflyfish	Chaetodon	ocellatus
Spotfin hogfish - adult	Bodianus	pulchellus
Spotfin jawfish	Opistognathus	robinsi
Spotfin killifish - M & F	Fundulus	luciae
Spotfin mojarra	Eucinostomus	argenteus
Spottail pinfish	Diplodus	holbrooki
Spotted drum	Equetus	punctatus
Spotted eagle ray	Aetobatus	narinari
Spotted goatfish	Pseudupeneus	maculatus
Spotted hake	Urophycis	regia
Spotted moray	Gymnothorax	moringa
Spotted scorpionfish	Scorpaena	plumieri
Spotted seatrout	Cynoscion	nebulosus
Spotted soapfish	Rypticus	subbifrenatus
Spotted spoon-nose eel	Echiophis	intertinctus
Spotted tinselfish	Xenolepidichthys	dalgleishi
Spreadfin skate	Dipturus	olseni
Squirrelfish	Holocentrus	adscensionis
Stoplight parrotfish - terminal	Sparisoma	viride
Streamer bass	Hemanthias	aureorubens
Striated frogfish	Antennarius	striatus
Striped anchovy	Anchoa	hepsetus
Striped bass	Morone	saxatilis
Striped burrfish	Chilomycterus	schoepfii
Striped cusk-eel - M & F	Ophidion	marginatum
Striped grunt	Haemulon	striatum
Striped killifish - M & F	Fundulus	majalis
Striped mullet	Mugil	cephalus
Striped searobin	Prionotus	evolans
Summer flounder	Paralichthys	dentatus
Swordfish	Xiphias	gladius
Swordspine snook	Centropomus	ensiferus
Tan hamlet	Hypoplectrus	spp.
Tarpon	Megalops	atlanticus
Tarpon snook	Centropomus	pectinatus
Tattler	Serranus	phoebe

Tautog	Tautoga	onitis
Thorny skate	Amblyraja	radiata
Thorny tinseltail	Grammicolepis	brachiusculus
Threadfin shad	Dorosoma	petenese
Threadnose bass	Anthias	tenuis
Threespine stickleback	Gasterosteus	aculeatus
Thresher shark	Alopias	vulpinus
Tidewater silverside	Menidia	penninsulae
Tiger grouper	Mycteroperca	tigris
Tiger shark	Galeocerdo	cuvier
Timucu	Strongylura	timucu
Tobaccofish	Serranus	tabacarias
Tomtate	Haemulon	aurolineatum
Tripletail	Lobotes	surinamensis
Tropical two-wing flyingfish	Exocoetus	volitans
Two-spot cardinalfish	Apogon	pseudomaculatus
Vermillion snapper	Rhomboplites	aurorubens
Viper moray	Enchelycore	nigricans
Warsaw grouper	Epinephelus	nigritus
Western mosquitofish - M & F	Gambusia	affinis
Whale shark	Rhincodon	typus
Winter skate	Leucoraja	ocellata
White grunt	Haemulon	plumieri
White mullet	Mugil	curema
White perch	Morone	americana
White shark	Carcharodon	carcharius
White trevally	Pseudocaranx	dentex
White suckerfish	Remorina	albescens
Whitebone porgy	Calamus	leucosteus
Whitefin sharksucker	Echeneis	neucratoides
Whitenose pipefish	Cosmocampus	albirostris
Whitespotted soapfish	Rypticus	maculatus
Whitestar cardinalfish	Apogon	lachneri
Wrasse basslet	Liopropoma	eukrines
Wreckfish - adult	Polyprion	americanus
Wrymouth	Cryptacanthodes	maculatus
Yellow chub	Kyphosis	incisor
Yellow conger	Rynchoconger	flavus
Yellow goatfish	Mulloidichthys	martinicus
Yellow jack	Caranx	bartholomaei
Yellowbelly hamlet	Hypoplectrus	aberrans
Yellowedge grouper	Epinephelus	flavolimbatus
Yellowfin bass	Anthias	nicholsi
Yellowfin grouper	Mycteroperca	venenosa
Yellowfin menhaden	Brevoortia	smithi
Yellowhead jawfish	Opistognathus	aurifrons

Yellowhead wrasse - terminal	Halichoeres	garnoti
Yellowmouth grouper	Mycteroperca	interstitialis
Yellowtail hamlet	Hypoplectrus	chlorurus
Yellowtail reeffish	Chromis	enchrysurus
Yellowtail snapper	Ocyurus	chrysurus
Yellow stingray	Urobatis	jamaicensis

Pacific Marine, Anadromous, and Freshwater Fishes

Brook trout	Salvelinus	fontinalis
Brown trout	Salmo	trutta
California roach	Hesperoleucus	symmetricus
Chinook salmon	Oncorhynchus	tshawytscha
Hitch	Lavinia	exilicauda
Pacific Lamprey	Lampetra	tridentate
Prickly sculpin	Cottus	asper
Rainbow trout	Oncorhynchus	mykiss
Sacramento blackfish	Orthodon	microlepidotus
Sacramento perch	Archoplites	intruptus
Sacramento pikeminnow	Ptychocheilus	grandis
Sacramento splittail	Pogonichthys	macrolepidotus
Sacramento sucker	Catostomus	occidentalis
Speckled dace	Rhinichthys	osculus
Steelhead	Oncorhynchus	mykiss
Tule perch	Hysteroecarpus	traski
White Sturgeon	Acipenser	transmontanus

Tropical Pacific Fishes

Big long-nosed butterflyfish	Forcipiger	longirostris
Eibl's pygmy anglefish	Centropyge	eibli
Fire dartfish	Nemateleostris	magnifica
Great barracuda	Sphyraena	barracuda
Mandarinfish	Synchiropus	splendidus
Scribbled filefish	Aluterus	scriptus
Shrimpfish	Aeoliscus	strigatus
Smith fangblenny	Meiacanthus	smithii
Spinecheek anemonefish	Premnas	biaculeatus
Volitans lionfish	Pterois	volitans
Yellow tang	Zebrasoma	flavescens
Yellowback anthias	Pseudanthias	evansi
Zebra moray	Gymnomuraena	zebra

North American Freshwater Fishes

Alabama shad	Alosa	alabamae
Alligator gar	Lepisosteus	vitreum
American shad	Alosa	sapidissima
Atlantic salmon	Salmo	salar
Banded killifish	Fundulus	diaphanus
Banded pygmy sunfish	Elassoma	zonatum
Banded sculpin	Cottus	carolinae
Banded sunfish	Enneacanthus	obesus
Big mouth buffalo sucker	Ictiobus	cyprinellus
Black banded sunfish	Enneacanthus	chaetodon
Black bullhead	Ameiurus	melus
Black crappie	Pomoxis	nigromaculatus
Blacknose dace	Rhinichthys	atratus
Blackstripe minnow	Fundulus	notatus
Bleeding shiner	Luxilus	zonatus
Blue catfish	Ictalurus	furcatus
Blue sucker	Cycleptus	elongates
Bluegill	Lepomis	macrochirus
Bluehead chub	Nocomis	leptocephalus
Bluespotted sunfish	Enneacanthus	gloriosus
Bowfin	Amia	calva
Brook trout	Salvelinus	fontinalis
Brown bullhead	Ictalurus	nebulosus
Brown trout	Salmo	trutta
Bull chub	Nocomis	raneyi
Central stoneroller	Campostoma	anomalum
Chain pickerel	Esox	niger
Channel catfish	Ictalurus	punctatus
Common carp	Cyprinus	carpio
Common goldfish	Carassius	auratus
Creek chub	Semotilus	atromaculatus
Creek chubsucker	Erimyzon	oblongus
Diamond killifish - M	Adinia	xenica
Eastern mosquitofish - M & F	Gambusia	holbrooki
Eastern mudminnow	Umbra	pygmaea
Emerald shiner	Notropis	atherinoides
Everglades pygmy sunfish	Elassoma	evergladei
Fantail darter	Etheostoma	fabellare
Fathead minnow	Pimephales	promelas
Flathead catfish	Pylodictis	olivarius
Flathead chub	Platygobio	gracilis
Flier	Centrarchus	macropterus
Freshwater drum	Aplodinotus	grunniens
Gizzard shad	Dorosoma	cepedianum

Goldeye	Hiodon	alosoides
Grass carp	Ctenopharyngodon	idella
Green sunfish	Lepomis	cyanellus
Greenside darter	Etheostoma	blenniodes
Inland silverside	Menidia	beryllina
Johnny darter	Etheostoma	nigrum
Kanawha darter	Etheostoma	kanawhae
Lake sturgeon	Acipenser	fulvescens
Largemouth bass	Micropterus	salmoides
Lined topminnow - M	Fundulus	lineolatus
Longear sunfish	Lepomis	megalotis
Longnose dace	Rhinichthys	cataractae
Longnose gar	Lepisosteus	osseus
Longnose killifish - M & F	Fundulus	similis
Margined madtom	Noturus	insignis
Mottled sculpin	Cottus	bairdi
Mountain mullet	Agonostomus	monticola
Mountain redbelly dace	Phoxinus	oreas
Mummichog - M & F	Fundulus	heteroclitus
Muskellunge	Esox	masquinongy
Northern hogsucker	Hypentelium	nigricans
Northern studfish	Fundulus	catenatus
Ozark minnow	Notropis	ozarcanus
Paddlefish	Polydon	spathula
Pallid sturgeon	Scaphirhynchus	albus
Pirate perch	Aphredoderus	sayanus
Pumpkinseed	Lepomis	gibbosus
Quillback	Carpoides	cyprinus
Rainbow trout	Oncorhynchus	mykiss
Rainbow smelt	Osmerus	mordax
Rainwater killifish - M & F	Lucania	parva
Redbreast sunfish	Lepomis	auritus
Redear sunfish	Lepomis	microlophus
Redfin (Grass) pickerel	Esox	americanus
Redfin shiner	Lythurus	umbratilis
Redlip shiner	Notropis	chiliticus
Rio Grande cichlid	Ciclasoma	cyanoguttatum
River carpsucker	Carpoides	carpio
River darter	Percina	shumardi
Roanoke hog sucker	Hypentelium	roanokense
Robust redhorse	Moxostoma	robustum
Rock bass	Ambloplites	rupestris
Rosyside dace	Clinostomus	funduloides
Sailfin molly - M & F	Poecilia	latipinna
Shorthead redhorse	Moxostoma	macrolepidotum
Shortnose gar	Lepisosteus	platostomus

Shortnose sturgeon	Acipenser	brevirostrum
Silver redhorse	Moxostoma	anisurum
Silverband shiner	Notropis	shumardi
Skipjack herring	Alosa	chyrschloris
Smallmouth bass	Micropterus	dolomieu
Smallmouth buffalo sucker	Ictiobus	bubalus
Speckled chub	Macrhybopsis	aestivalis
Spotfin shiner	Cyprinella	spiloptera
Spottail shiner	Notropis	hudsonius
Spotted chubsucker	Minytrema	melanops
Spotted gar	Lepisosteus	oculatus
Spotted sunfish	Lepomis	punctatus
Stonecat	Noturus	flavus
Striped bass hybrid	Morone	saxatilis x chrysops
Striped killifish - M & F	Fundulus	majalis
Striped mullet	Mugil	cephalus
Stripedback darter	Percina	notogramma
Swordtail jawfish	Lonchopisthus	micrognathus
Tessellated darter	Etheostoma	olmstedii
Theadfin shad	Dorosoma	petenense
Threeline basslet	Lipogramma	trilineatum
Threespine stickleback	Gasterosteus	aculeatus
Torrent sucker	Thoburnia	rorthoeca
Walleye	Stizostedion	vitreum
Warmouth	Lepomis	gulosus
Western mosquitofish - M & F	Gambusia	affinis
White bass	Morone	chrysops
White catfish	Ameriurus	catus
White crappie	Pomoxis	annularis
White perch	Morone	americana
Yellow bullhead	Ictalurus	natatis
Yellow perch	Perca	flavescens

#### Plants

Purple pitcher plant	Sarracenia	purpurea
Yellow pitcher plant	Sarracenia	flava
Venus' flytrap	Dionaea	muscipula
Yellow butterwort	Pinguicula	lutea
Spatulate-leaved sundew	Drosera	intermedia

#### Aquatic Invertebrates

Acorn barnacles	Semibalanus	balanoides
Atlantic deer cowrie	Cypraea	cervus

Atlantic horseshoe crab	Limulus	polyphemus
Atlantic rock crab	Cancer	irroratus
Bay scallop	Argopecten	irradiens
Big-clawed snapping shrimp	Alpheus	heterochaelis
Blue mussels	Mytilus	edulis
Blue crab	Callinectes	sapidus
Calico crab	Hepatus	epheliticus
Cayenne keyhole limpet	Diodora	leucolena
Caribbean spiny lobster	Panulirus	argus
Crayfish	Cambarus	spp.
(Decorator) Crab	??	spp.
Dove snail	Anachis	avara
Dragonfly larva	Macromia	spp.
Eastern mud snail	Nassarius	obsoletus (obsoleta)
Feather duster worm	Sabellastarte	magnifica
Fiddler crab	Uca	pugnax
Florida horse conch	Pleuroploca	carica
Forbes' sea star	Asterias	forbesii
Ghost anemone	Diadumene	leucolena
Giant anemone	Condylactis	gigantea
Giant Atlantic cockle	Dinocardium	robustum
Giant eastern murex	Hexaplex	fulvescens
Giant red hermit crab	Petrochirus	diogenes
Giant water bug	Lethocerus	americanus
Gorgonian/Sea rod	Eunicea	spp.
Grass shrimp	Palaemonetes	spp.
Hairy sea cucumber	Sclerodactyla	briarius
Knobbed whelk	Busycon	carica
Lady crab	Ovalepis	ocellatus
Leidy's comb jelly	Mnemiopsis	leidyi
Lettered olive	Olivia	sayana
Lightning whelk	Busycon	contrarium
Lion's mane jelly	Cyanea	capillata
Long-spined sea urchin	Diadema	antillarum
Magnificent feather duster	Sabellastarte	magnifica
Mantis shrimp	Squilla	empusa
Moon jelly	Aurelia	aurita
Moon snail	Polinices	duplicatus
Mottled purse crab	Persephona	mediterranea
Mushroom anemone	Discosoma	spp.
Ocellated porcelain crab	Porcellana	sayana
Octopus	Octopus	vulgaris
Orange ball sponge	Cinachyra	spp.
Orange (small-spine) sea star	Echinaster	spinulosus
Oyster drill	Urosalpinx	cinerea
Peppermint shrimp	Lysmata	wurdemanni

Pink shrimp	Penaeus	duorarum
Portly spider crab	Libinia	emerginata
Purple (spiny) urchin	Arbacia	punctulata
Quahog	Mercenaria	mercenaria
Ridged slipper lobster	Scyllarides	nodifer
Rough sea squirt	Styela	partita
Sally lightfoot/Nimble spray crab	Grapsus	grapsus spp.
Sea hare	Aplysia	brasiliana
Sea nettle	Chrysaora	quinquecirrha
Slate pencil urchin	Eucidaris	tribuloides
Spanish slipper lobster	Scyllarides	aequinoctialis
Speckled crab	Arenaeus	cribrius
Stone crab	Mennippe	mercenaria
Striped hermit crab	Clibanarius	vittatus
Variiegated (green) urchin	Lytechinus	variegates
Water scorpion	Ranatra	spp.
White shrimp	Penaeus	setiferus
Yellowline arrow crab	Stenorhynchus	seticornis

#### Birds

Aleutian Canada goose	Branta	Canadensis leucopareia
American widgeon	Anas	Americana
Barred owl	Strix	varia
Blue-winged teal	Anas	discors
Double-crested cormorant	Phalacrocorax	auritus
Fulvous whistling duck	Dendrocygna	bicolor
Gadwall	Anas	strepera
Golden-crowned kinglet	Regulus	satrapa
Green-winged teal	Anas	crecca
Great blue heron	Ardea	herodias
Harlequin duck	Histrionicus	histrionicus
Hooded merganser	Lophodytes	cucullatus
Mallard	Anas	platyrhynchos
Northern pintail	Anas	acuta
Osprey	Pandion	haliaetus
Pied-billed grebe	Podilymbus	podiceps
Pileated woodpecker	Dryocopus	pileatus
Prothonotary warbler	Prothonotaria	citrea
Raven	Corvus	corax
Red-breasted nuthatch	Sitta	canadensis
Red-eyed vireo	Vireo	olivaceus
Redhead	Aythya	Americana
Ring-necked duck	Aythya	collaris
Ross' goose	Chen	rossii
Ruby-crowned kinglet	Regulus	calendula

Ruddy duck	Oxyura	jamaicensis
Rufous hummingbird	Selasphorus	rufus
Snow goose	Chen	caerulescens
Spotted towhee	Pipilo	maculatus
Violet-green swallow	Trachycineta	thalassina
White ibis	Eudocimus	albus
Wild turkey	Meleagris	gallopavo
Winter wren	Troglodytes	troglodytes
Wood duck	Aix	sponsa

### Reptiles/Amphibians

American alligator	Alligator	mississippiensis
Banded water snake	Nerodia	fasciata fasciata
Barking tree frog	Hyla	gratioosa
Black rat snake	Elaphe	obsolete obsoleta
Broadhead skink	Eucemes	laticeps
Broken-striped newt	Notophthalmus	viridescens dorsalis
Brown water snake	Nerodia	taxispilota
Bullsnake	Pituophis	catenifer sayi
Common map turtle	Gratemys	geographica
Common mudpuppy	Necturus	maculosus maculosus
Common snapping turtle	Chelydra	serpentina
Diamondback terrapin	Malaclemys	terrapin terrapin
Diamondback water snake	Nerodia	rhombifer rhombifer
Dyeing poison dart frog	Dendrobates	tinctorius
Eastern American toad	Bufo	americanus americanus
Eastern box turtle	Terrapene	carolina carolina
Eastern collared lizard	Crotaphytus	collaris collaris
Eastern cottonmouth	Agkistrodon	piscivorus piscivorus
Eastern copperhead	Agkistrodon	contortrix contortrix
Eastern garter snake	Thamnophis	sirtalis sirtalis
Eastern mud turtle	Kinosternon	subrubrum subrubrum
Eastern painted turtle	Chrysemys	picta
Eastern river cooter	Chrysemys	concinna concinna
Five-lined skink	Eumeces	fasciatus
Flatback sea turtle	Natator	depressa
Gray tree frog	Hyla	chrysoscelis
Green frog	Rana	clamitans melanota
Green sea turtle	Chelonia	mydas
Green tree frog	Hyla	cinera
Ground skink	Scincella	lateralis
Hawksbill sea turtle	Eretmochelys	imbricata
Hellbender	Cryptobranchus	alleganiensis alleganiensis
Kemp's ridley sea turtle	Lepidochelys	kempi
Leatherback sea turtle	Dermochelys	coriacea

Loggerhead sea turtle	Caretta	caretta
Neuse River waterdog	Necturus	lewisi
North American bullfrog	Rana	catesbeiana
Northern fence lizard	Sceloporus	undulates hyacinthinus
Northern water snake	Nerodia	sipedon
Olive ridley sea turtle	Lepidochelis	olivacea
Osage copperhead	Agkistrodon	contortrix phaegaster
Pacific treefrog	Hyla	regilla
Pine woods tree frog	Hyla	femoralis
Plains leopard frog	Rana	blairi
Prairie kingsnake	Lampropeltis	calligaster calligaster
Red milk snake	Lampropeltis	triangulum sypila
Red-belly water snake	Nerodia	erythrogaster erythrogaster
Red-eared slider	Trachemys	scripta elegans
Rough green snake	Opheodrys	aestivus aestivus
Southern leopard frog	Rana	pipiens sphenoccephala
Speckled kingsnake	Lampropeltis	getula holbrookii
Spiny softshell turtle	Trionyx	spiniferus
Spotted turtle	Clemmys	guttata
Stinkpot	Sternotherus	odoratus
Timber rattlesnake	Crotalus	horridus
Western cottonmouth	Agkistrodon	piscivorus leucostoma
Western fox snake	Elaphe	vulpine vulpina
Western pond turtle	Clemmys	marmorata
Western ribbon snake	Thamnophis	proximus proximus
Yellow-banded poison dart frog	Dendrobates	leucomelas
Yellow-bellied turtle (slider)	Pseudemys	(Trachemys) scripta scripta
Yellow rat snake	Elaphe	obsoleta quadrivittata

### Mammals

Black bear	Ursus	americanus
Black-tailed (Mule) deer	Odocoileus	hemionus
California sea lion - M	Zalophus	californianus
Deer mouse	Peromyscus	maniculatus
Douglas squirrel	Tamiasciurus	douglasii
Little brown bat	Myotis	lucifugus
Northern flying squirrel	Glaucomys	sabrinus
Orca whale	Orcinus	orca
Raccoon	Procyon	lotor
River otter	Lutra	Canadensis
Short-tailed weasel	Musteala	erminea