Overview

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- 2951 science/ecology symbols
- 56 albums in 6 categories
- Vector (SVG & AI) versions
- Raster (PNG) version
Acknowledgements

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Australia QLD: Maroochy River
Australia QLD: Mid Brisbane River
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USA ME: Kennebec and Androscoggin Rivers
USA ME: Muscongus Bay
USA ME: Narraguagus Bay
USA ME: Penobscot Bay
USA ME: Saco Bay
USA ME: Sheepscot Bay
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USA ME: Sheepscot Bay
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USA NC: Bogue Sound
USA NC: Cape Fear River
USA NC: Neuse River
USA NC: New River
USA NC: Pamlico and Pungo Rivers
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USA VA: York River watershed locator map
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<td>Mountain range 3D: plain, rivers, and lakes</td>
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<td>Mountain range 3D: river canyon, mesas, craters, and sand plain</td>
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Ambystoma maculatum (Spotted Salamander)

Anura (Frog) lifecycle: day 01 egg

Anura (Frog) lifecycle: day 03-04 tailbud

Anura (Frog) lifecycle: day 06 tadpole with external gills

Anura (Frog) lifecycle: day 09 tadpole with internal gills

Anura (Frog) lifecycle: day 12 tadpole with operculum

Anura (Frog) lifecycle: day 70 tadpole with hindlimbs

Anura (Frog) lifecycle: day 84 tadpole with forelimbs

Anura (Frog) lifecycle: day 84+ tadpole metamorphosis

Anura (Frog) lifecycle: day 84+ young frog

Bufo americanus (American Toad) : adult

Dendrobates pumilio (Dart-poison Frog) : adult

Eurycea bislineata (Northern Two-lined Salamander)

Hyla cinerea (American Green Tree Frog) : adult

Litoria caerulea (Australian Green Tree Frog) : adult

Plethodon shenandoah (Shenandoah Salamander)

Pseudotriton ruber (Northern Red Salamander)

Rana clamitans melanota (Northern Green Frog) : adult

Rana palustris (Pickerel Frog) : adult
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‘Akohekohe (palmeria doi)
‘O’mao (myadestes obscurus)
Acridotheres tristis (Common Myna)
Aegolius acadicus (Northern Saw-whet Owl)
Agelaius phoeniceus (Red-winged Blackbird)
Ajaja ajaja (Roseate Spoonbill)
Akiapola‘au (hemignathus munroi)
Ammodramus maritimus (Seaside Sparrow)
Ammodramus nelsoni (Nelson’s Sparrow)
Anas penelope (Eurasian Wigeon)

Anas platyrhynchos (Mallard Duck)
Anas rubripes (American Black Duck)
Anseranas semipalmata (Maggie Goose 1)
Anseranas semipalmata (Maggie Goose 2)
Aploodytes forsteri (Emperor Penguin)
Ardea Herodias (Great Blue Heron)
Bird box

Branta bernicla (Atlantic Brant Goose)
Branta canadensis (Canada Goose)

Buteo lineatus (Red-shouldered Hawk)
Buteo rufinus (Long-legged Buzzard)
Calidris ferruginea (Curlew Sandpiper)
Calidris spp. (Sandpiper)
Cardinalis cardinalis (Northern Cardinal)
Casuarius spp. (Cassowary)
Catharus bicknelli (Bicknell’s Thrush)
Centrocercus spp. (Sage Grouse)
Charadrius alexandrinus (Snowy Plover)
Charadrius melodus (Piping Plover 1)
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Charadrius montanus (Mountain Plover)
Coccyzus americanus (Yellow-billed Cuckoo)
Coccyzus minor (Mangrove Cuckoo)
Columba livia (Rock Pigeon)
Cygnus atratus (Black Swan)
Cygnus buccinator (Trumpeter Swan)
Cygnus olor (Mute Swan 1)
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Dendroica discolor (Prairie Warbler)
Dendroica petechia (Yellow Warbler)
Dolichonyx oryzivorus (Bobolink)
Drepanis coccinea (Scarlet Honeycreeper)
Dromaius novaehollandiae (Emu)

Duck
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*Picoides pubescens* (Downy Woodpecker)

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*Pluvialis fulva* (Pacific Golden Plover)

*Po'ouli* (melamprosops phaesoma)

*Poecile atricapillus* (Black-capped Chickadee)

*Protonotaria citrea* (Prothonotary Warbler)

*Ptilinopus pelewensis* (Palau Fruit-dove)

*Recurvirostra Americana* (American Avocet): summer plumage

*Recurvirostra Americana* (American Avocet): winter plumage

*Recurvirostra novaehollandiae* (Red-necked Avocet)

*Spiza americana* (Dickcissel)

*Sterna spp.* (Tern)

*Strix occidentalis* (Barred Owl)

*Strix varia* (Western Meadowlark)

*Sturnella neglecta* (Western Meadowlark)

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- Acropora: brown band disease

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- Mushroom coral (Fungiidae)

- Montastrea spp. (Brain Coral)

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- **Callinectes sapidus** (Blue Crab): first crab
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- **Crustacean: nauplius**
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- **Homarus gammarus** (European Lobster)
- **Macrobrachium jelskii** (Agar River Prawn)
- **Menippe mercenaria** (Florida Stone Crab)
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- **Oithona spp.**
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- **Panulirus argus** (spiny lobster): puerulus
- **Panulirus argus** (spiny lobster): side view
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Uca spp. (Fiddler Crab)

Uca spp. (Fiddler Crab) 2

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- Linckia laevigata (Blue Linckia)
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- Ophiopholis aculeata (Daisy Brittle Star)
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Cheilinus spp. 1
Cheilinus undulatus (Humphead Wrasse) : female
Cheilinus undulatus (Humphead Wrasse) : male
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Chloroscombrus chrysurus (Atlantic Bumper)
Chlorurus spilurus (Bullethead Parrotfish)
Chromis chromis (Mediterranean Chromis)
Cnidoglanis macrocephalus (Cobbler)

Cheilinus undulatus (Humphead Wrasse) : male
Cheilinus spp. 2
Cheilinus spp. 2
Cheilinus undulatus (Humphead Wrasse)
Chitala ornata (Clown knifefish)
Chloroscombrus chrysurus (Atlantic Bumper)
Chlorurus spilurus (Bullethead Parrotfish)
Chromis chromis (Mediterranean Chromis)
Cnidoglanis macrocephalus (Cobbler)

Coregonus spp. (Cisco)
Coris julis (Mediterranean Rainbow Wrasse)
Cynoscion nebulosus (Spotted Seatrout)
Cynoscion regalis (Weakfish)
Cyprinus carpio (Common Carp)
Cypselurus callopterus (Ornamented Flying Fish)
Dascyllus aruanus (Whitetail dascyllus)
Dasyatis americana (Southern Stingray)
Diapterus plumeri (Striped Mojarra)
Diodon hystrix (Spot-fin Porcupinefish)

Diplodus vulgaris (Common Two-banded Seabream)
Elops saurus (Ladyfish)
Engraulis australis (Australian Anchovy)
Epinephelus fuscoguttatus (Brown-marbled Grouper)
Epinephelus itajara (Atlantic Goliath Grouper) 1
Epinephelus itajara (Atlantic Goliath Grouper) 2
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Epinephelus tukula (Potato Cod)
Esox lucius (Northern Pike)
Esox niger (Chain Pickerel)

Fish school-1
Fish school-2
Fish school-3
Fundulus heteroclitus (Mummichog) : female
Fundulus heteroclitus (Mummichog) : male
Gadus morhua (Atlantic Cod)
Galeocerdo cuvier (Tiger Shark)
generic fish
Gerres subfasciatus (Silver Biddy)
Ginglymostoma cirratum (Nurse Shark)

Gobiosox strumosus (Skilletfish)
Gobiosoma bosc (Naked Goby)
Haemulon plumieri (White Grunt)
Hippocampus erectus (Lined Seahorse)
Hippocampus spp. (Seahorse)
Hyperphus vittatus (Sandy Sprat)
Hypophthalmichthys molitrix (Silver Carp)
Hypsooblephus hentzi (Feather Blenny)
Kuhlia spp. (Flagtail)
Kyphosus vaigiensis (Rudder Fish)
Fauna: Fish

Lachnolaimus maximus (Hogfish)
Lates calcarifer (Barramundi)
Lates calcarifer (Barramundi) : larva
Leiopotherapogon unicolor (Spangled Perch)
Leiostomus xanthurus (Spot Croaker)
Lepomis macrochirus (Bluegill)
Limanda ferruginea (Yellowtail Flounder)
Lucania parva (Rainwater Killfish)
Lutjanus analis (Mutton Snapper)

Lutjanus griseus (Gray Snapper)
Lutjanus jocu (Dog teeth snapper)
Lutjanus sebae (Red Emperor)
Luxilus coccogenis (Warpaint Shiner)
Macquaria novemaculeata (Australian Bass)
Manta birostris (Manta Ray)
Megalops atlanticus (Atlantic Tarpon)
Menidia menidia (Atlantic Silverside)
Menticirus saxatilis (Northern Kingfish)

Micropogonias undulatus (Atlantic Croaker)
Micropterus salmoides (Flinders Ranges Mogurnda)
Mola mola (Ocean Sunfish)
Moray Eel
Morone americana (White Perch)
Morone saxatilis (Striped Bass)
Morone saxatilis (Striped Bass) : feeding larvae
Morone saxatilis (Striped Bass) : juvenile

Morone saxatilis (Striped Bass) : yolk sac larvae
Mugil cephalus (Flathead Mullet)
Mulloidichthys vanicolensis (Yellow Goatfish)
Myripristis vittata (Bigeye Soldierfish)
Naso lituratus (Naso Tang)
Naso unicornis (Bluespine unicornfish)
Nematalosa vlamblinghi (Western Australian Gizzard Shad)
Neoceratodus forsteri (Australian Lungfish)
Nocomis micropogon (River Chub)

Notropis girardi (Arkansas River Shiner)
Oncorhyncus kisutch (Coho Salmon) : parr
Oncorhyncus kisutch (Coho Salmon): adult
Oncorhyncus mykiss (Rainbow Trout)
Oncorhyncus tshawytscha (Chinook Salmon): adult
Opsanus tau (Oyster Toadfish)
Orectolobus spp. (Wobbegong)
Oreochromis mossambicus (Mozambique Tilapia)
Pagrus auratus (Australasian Snapper)
Paralichthys californicus (California Halibut)
Fauna: Fish

- **Serranus cabrilla** (Comber)
- **Serranus scriba** (Painted Comber)
- **Shark**
- **Siganus spinus** (Scribbled Rabbit Fish)
- **Siganus spp.** (Rabbitfish)
- **Sillaginodes punctata** (King George Whiting)
- **Sillago ciliata** (Sand Whiting)
- **Sphoeroides maculatus** (Northern Puffer)
- **Sphyraena spp.** (Barracuda)
- **Sphyma spp.** (Hammerhead Shark)

- **Spondyliosoma cantharus** (Black Seabream)
- **Stolephorus commersonnii** (Commerson's Anchovy)
- **Symphodus rostratus** (Eel-tailed Catfish)
- **Tandanus tandanus** (Eel-tailed Catfish)
- **Thunnus albacares** (Yellowfin Tuna)
- **Trienodon obesus** (Whitetip Reef Shark)
- **Trinectes maculatus** (Hogchoker)
- **Urophycis regia** (Spotted Hake)
- **Zanclus cornutus** (Moorish Idol)

- **Zebrasoma scopas** (Brown Scopas Tang)
- **Zeus faber** (John Dory)

- **Zebrasoma flavescens** (Yellow Tang)
Fauna: Insects/Arachnids

Actias luna (Luna Moth)

Ant

Anthonomus grandis (Boll Weevil)

Bee

Beetle

Caddisfly: adult

Caddisfly: larva

Caddisfly: larva in case

Caterpillar

Centipede

Cicindela dorsalis media (Eastern Beach Tiger Beetle)

Cicindela thealina (Tiger Beetle)

Coccinella transversalis (Ladybird Beetle)

Dahinibaenetes giganteus (Giant Sand Treader Camel Cricket)

Danaus plexippus (Monarch Butterfly)

Dendroctonus ponderosae (Mountain Pine Beetle) 1

Dendroctonus ponderosae (Mountain Pine Beetle) 2

Dermatophagoides pteronyssinus (House Dust Mite)

Dragonfly: adult

Dragonfly: nymph

Eotetranychus sexmaculatus (Mite)

Firefly

Fly

Fossil: bee

Fossil: moth

Galerucella pusilla (Golden Loosestrife Beetle)

Grasshopper

Latrodectus hasselti (Redback Spider)

Lymantria dispar (Gypsy Moth)

Lymantria dispar (Gypsy Moth): caterpillar

Mayfly: adult

Mayfly: larva

Mosquito 1

Mosquito 2

Ornithoptera priamus (King Priamo's Birdwing)

Papilio glaucus (Eastern Tiger Swallowtail Butterfly)

Papilio ulysses (Ulysses Butterfly)

Praying mantis

Problema bulenta (Rare Skipper)

Rhyothemis graphiptera (Banded Flutterer)

Scorpion

Solenopsis invicta (Red Imported Fire Ant)

Solenopsis spp. (Red Ant)

Spider web

Stonefly: adult

Stonefly: larva

Strymon melinus (Grey Hairstreak)
Fauna: Mammals

- **Fossil: rhinoceros jaw**
- **Geomys bursarius** (Plains Pocket Gopher)
- **Giraffa camelopardalis** (Giraffe)
- **Gorilla gorilla** (Gorilla)
- **Guo guo** (Wolverine)
- **Lasius cinereus semitus** (Small Asian Mongoose)
- **Lorita canadensis** (North American River Otter)
- **Loxodonta spp.** (African Elephant)
- **Lynx rufus** (Bobcat)
- **Macropus agilis** (Agile Wallaby)
- **Macropus fuliginosus** (Western Grey Kangaroo): female with joey
- **Macropus fuliginosus** (Western Grey Kangaroo): male
- **Marmota flaviventris** (Marmot)
- **Martes pennanti** (Fisher)
- **Megaptera novaeangliae** (Humpback Whale): breach
- **Megaptera novaeangliae** (Humpback Whale): tail
- **Mirounga angustirostris** (Northern Elephant Seal)
- **Monachus schauinslandi** (Hawaiian Monk Seal)
- **Mustela frenata** (Long-tailed Weasel)
- **Myocastor coypus** (Nutria)
- **Myotis lucifugus** (Little Brown Bat)
- **Neophocaena phocaenoides** (Finless Porpoise)
- **Neovison vison** (American Mink)
- **Ochotona princeps** (American Pika)
- **Odobenus rosmarus** (Walrus)
- **Odocoileus virginianus** (White-tailed Deer): buck
- **Odocoileus virginianus** (White-tailed Deer): doe
- **Odocoileus virginianus** (White-tailed Deer): fawn
- **Orcinus orca** (Orca)
- **Oryzomys argentatus** (Silver Rice Rat)
- **Ovis aries** (Sheep)
- **Ovis canadensis** (Bighorn Sheep)
- **Panthera leo** (Lion): male
- **Panthera pardus** (Panther)
- **Plecotus townsendii** (Townsend's Big-eared Bat)
- **Procyon lotor** (Raccoon) 1
- **Procyon lotor** (Raccoon) 2
- **Pteropus spp.** (Fruit Bat)
- **Puma concolor** (Puma/cougar/mountain Lion)
- **Saimiri spp.** (Squirrel Monkey)
- **Spermophilus richardsonii** (Richardson's Ground Squirrel)
- **Stenella longirostris** (Spinner Dolphin)
- **Sus scrofa** (wild boar)
- **Sus scrofa domestica** (domestic pig)
Fauna: Mammals

- Sylvilagus spp. (Cottontail Rabbit)
- Trichechus spp. (Manatee)
- Tursiops spp. (Bottlenose Dolphin)
- Ursus americanus (American Black Bear)
- Ursus arctos horribilis (Grizzly Bear)
- Ursus maritimus (Polar Bear)
- Vulpes velox (Swift Fox)
- Vulpes vulpes (Red Fox)
Fauna: Other

Ascidian
Bryozoan colony
Ctenophore (Comb Jelly)
Doliolid (Tunicate)
Fossil trilobite
Limulus polyphemus (Horseshoe Crab)
Mnemiopsis leidy (Comb Jelly)
Neoesperiopsis rigida (Orange Finger Sponge)
Sea squirt
Sponge 1

Sponge 2
Springtail (Collembola)
Tardigrade
Fauna: Protozoans

- Actinophrys sol (Amoeba)
- Chaos diffuens (Amoeba)
- Didinium gargantua (Ciliate)
- Didinium nasutum (Ciliate)
- Favella species
- Flagellates 1
- Flagellates 2
- Gyrodinium species
- Laboea strobila (Ciliate)
- Paramecium aurelia (Ciliate)
- Scuticociliate (Ciliate)
- Strombidium (Ciliate)
- Tintinnid (Ciliate)
- Tintinnopsis species
Fauna: Reptiles

Alligator mississippiensis (American Alligator)

Caretta caretta (Loggerhead Turtle)

Caretta caretta (Loggerhead Turtle): hatchling

Chelodina oblonga (Oblong Turtle)

Chelydra serpentina (Snapping Turtle)

Chrysemys picta (Painted Turtle)

Crocodylus acutus (American Crocodile)

Crotalus spp. (Rattle Snake)

Crotalus viridis cereberus (Arizona Black Rattlesnake)

Dermochelys coriacea (Leatherback Turtle)

Dermochelys coriacea (Leatherback Turtle): hatchling

Eretmochelys imbricata (Hawksbill Turtle): adult

Eretmochelys imbricata (Hawksbill Turtle) hatchling

Eunectes fasciatus (American Five-lined Skink)

Eunectes murinus (Green Anaconda)

Geochelone nigra (Galapagos Giant Tortoise) 1

Geochelone nigra (Galapagos Giant Tortoise) 2

Iguana spp.

Lepidochelys kempii (Kemp's Ridley Sea Turtle)

Lepidochelys kempii (Kemp's Ridley Sea Turtle): hatchling

Lepidochelys olivacea (Olive Ridley Turtle): adult

Lepidochelys olivacea (Olive Ridley Turtle) hatchling

Malaclemys centrata (Diamondback Terrapin)

Malaclemys terrapin macrospilota (Ornate Diamondback Terrapin)

Natator depressa (Flatback Sea Turtle): adult

Natator depressa (Flatback Sea Turtle): hatchling

Nerodia fasciata compressicauda (Mangrove Water Snake)

Python bivittatus (Burmese python)

Turtle 1

Turtle 2

Turtle eggs

Varanus komodoensis (Komodo Dragon)
Fauna: Worms

- Anguillicoloides crassus (Nematode Worm)
- Ascaris spp. (Roundworm)
- Feather duster worm
- Flattworm
- Gordian worm
- Gordius spp. (Horsehair Worm)
- Lumbricus spp. (Earthworm) 1
- Lumbricus spp. (Earthworm) 2
- Nematode
- Palolo virdis (Samoan Palolo Worm)
- Polychaete 1
- Polychaete 2
- Polychaete with white bristles
- Pseudoceros dimidiatu (Divided Flatworm)
- Segmented worm
- Spirobranchus giganteus (Christmas Tree Worms) 1
- Spirobranchus giganteus (Christmas Tree Worms) 2
- Stylochus ellipticus (Flat Worm)
- Worms
Flora: Fungi/Lichen/Moss

Cantharellus cibarius (Golden Chanterelle)

Lobaria pulmonaria

Moss 1

Moss 2
Flora: Grasses/Herbaceous Plants

Acrostichum speciosum (Mangrove Fern)
Acrostichum speciosum (Mangrove Fern) branch
Acrostichum speciosum (Mangrove Fern) leaf
Agropyron pectiniforme (Crested Wheatgrass)
Agrostis spp. (Tickle Grass)
Alliaria petiolata (Garlic Mustard)
Amaranthus pumilus (Seabeach Amaranth)
Ammophila breviligulata (American Beachgrass)
Andropogon gerardii (Big Bluestem)
Bamboo 1

Bamboo 2
Bidens spp. (Bur-marigold)
Bouteloua dactyloides (Buffalo Grass)
Bouteloua gracilis (Blue Grama)
Bromus spp. (Brome Grass)
Calocephalus platycephalus (Billybuttons)
Capparis sandwichiana (Pua Piló)
Centaurea solstitialis (Yellow Starthistle)
Centaurea spp. (Knapweed)
Chelone glabra (White Turtlehead)

Cirsium arvense (Creeping Thistle)
Cleome multicaulis (Slender Spiderflower)
Cypripedium spp. (Lady's Slipper)
Dactylis glomerata (Orchard Grass)
Distichlis spicata (Coastal Salt Grass)
Echinacea purpurea (Purple Coneflower)
Euphorbia esula (Leafy Spurge)
Festuca spp. (Fescue)
Gaillardia aristata (Blanketflower)
Gaillardia pulchella (Indian Blanket)

Generic fern
Heteropogon contortus (Pili Grass)
Hudsonia tomentosa (Beach Heath)
Lilium longiflorum (Easter Lily)
Lobelia cardinalis (Cardinal Flower)
Lomandra spp. (Lomandra)
Lycium salicaria (Purple Loosestrife)
Microstegium vimineum (Japanese Stilt Grass) 1
Microstegium vimineum 2 (Japanese Stiltgrass)
Monarda spp. (Bee Balm)

Monarda spp. (Bee Balm) flowers
Oryza meridionalis (Wild rice)
Osmunda cinnamomea (Cinnamon Fern)
Oxalis stricta (Common Yellow Woodsorrel)
Panicum virgatum (Switchgrass)
Pascopyrum smithii (Western Wheatgrass)
Pennisetum ciliare (Buffelgrass)
Penstemon barbatus (Golden-beard Penstemon)
Peperomia spp. ('ala 'ala Wai Nui)
Phlox buckleyi wherry (Sword Leaf Phlox)
Flora: Grasses/Herbaceous Plants

- Poa pratensis (Kentucky Bluegrass)
- Poaceae (Grass)
- Polygonum cespitosum (Oriental Lady's Thumb)
- Polystichum acrostichoides (Christmas Fern)
- Pseudoroegneria spicata (Bluebunch Wheatgrass)
- Sanguisorba canadensis (Dwarf Naupaka)
- Schizachyrium scoparium (Little Bluestem)
- Sibbaldiopsis tridentata (Three-toothed Cinquefoil)
- Sida fallax (Ilima)
- Sorghastrum nutans (Indian Grass)
- Spartina pectinata (Prairie Cordgrass)
- Stipa viridula (Green Needlegrass)
- Tridens flavus cupreus (Purpletop)
- Triodia spp. (Spinifex)
- Typha x glauca (White Cattail)
- Verbascum thapsus (Common Mullein)
Flora: Mangroves

- Rhizophora stylosa
- Sonneratia alba (Mangrove Apple)
Flora: Marsh/Wetlands

Ceratopteris spp. (Leafy Twig-sedge)  
Cladium procerum (Water Hyacinth)  
Eichhornia crassipes (Water Hyacinth)  
Eleocharis dulcis (Chinese Water Chestnut)  
Eleocharis spp. (Spike Rush)  
Fimbristylis dichotoma (Tall Fringe-rush)  
Hymenachne amplicaulis (Olive Hymenachne)  
Impatiens capensis (Spotted Jewelweed)  
Kosteletzkya virginica (Seashore Mallow)  

Leptironia articulata (Blue Rush)  
Miscanthus sinensis (Chinese Silvergrass)  
Nelumbo lutea (American Water Lotus)  
Nelumbo lutea (American Water Lotus)  
Nelumbo lutea (American Water Lotus)  
Nelumbo lutea (American Water Lotus)  
Nelumbo lutea (American Water Lotus)  
Nymphaea odorata (White Water Lily)  
Nymphaea odorata (White Water Lily)  
Oryza spp. (Rice)  

Peltandra virginica (Green Arrow Alum)  
Phragmites australis (Common Reed)  
Phragmites australis (Common Reed)  
Reeds  
Sagittaria spp. (Arrowhead)  
Salvinia molesta (Giant Salvinia)  
Sarcocornia spp. (Samphire)  
Scirpus americanus (Bulrush)  
Scirpus spp. (Bulrush)  
Spartina alterniflora (Smooth Cordgrass)  

Spartina alterniflora (Smooth Cordgrass)  
Spartina patens (Saltmeadow Cordgrass)  
Spartina spp. (Salt Marsh Grass)  
Sporobolus spp. (Dropseed)  
Suada australis (Austral Seablite)  
Tecticornia flabelliformis (Bead Samphire)  
Tecticornia spp. (Samphire)  
Typha orientalis (Bulrush)  
Typha spp. (Cattail)  

Zizania spp. (Wild Rice)  
Wetland
Flora: Microalgae

- Akashiwo sanguinea (Dinoflagellate)
- Amphidinium crassum (Dinoflagellate)
- Amphidinium operculatum (Dinoflagellate)
- Asterionellopsis glacialis (Diatom)
- Benthic microalgae 1
- Benthic microalgae 2
- Centric diatom
- Ceratium furca (Dinoflagellate)
- Ceratium spp. (Dinoflagellate)
- Chaetoceros affinis (Diatom)

- Chattonella spp.
- Chlamydomonas
- Coccolithophore
- Cyclotella
- Cyclotella: single
- Diatoms
- Dinoflagellate 1
- Dinoflagellate 2
- Dinoflagellate 3
- Dinoflagellate cyst 1

- Dinoflagellate cyst 2
- Dinoflagellate cyst 3
- Dinoflagellates
- Dinophysis acuminata (Dinoflagellate)
- Flagellated Dinoflagellate
- Gymnodinium catenatum
- Karlodinium micrum
- Mixed Phytoplankton Community Coloured
- Pennate diatom 1

- Pennate Diatom 2
- Pfiesteria piscicida (Dinoflagellate)
- Pfiesteria shumwayae (Dinoflagellate)
- Phytoplankton bloom
- Prorocentrum micans (Dinoflagellate)
- Prorocentrum minimum (Dinoflagellate)
- Pseudo-nitzschia australis (Diatom)
- Pyrodinium bahamense
- Thalassiosira nordenskioeldii (Diatom)
- Thalassiothrix nitzschioides (Diatom)
Flora: Seagrass/SAV

Amphibolis antarctica
Amphibolis griffithii
Amphibolis with epiphytes
Callitriche spp. (Water Starwort)
Ceratophyllum demersum (Coontail)
Cymodocea nodosa
Cymodocea rotundata
Cymodocea rotundata seeds
Cymodocea serrulata
Cymodocea serrulata seeds
Cymodocea serrulata

Callitriche spp. (Water Starwort)
Ceratophyllum demersum (Coontail)
Cymodocea nodosa
Cymodocea rotundata
Cymodocea rotundata seeds
Cymodocea serrulata
Cymodocea serrulata seeds

Cymodocea serrulata seeds
Deep water seagrass
Enhalus acoroides
Cymodocea serrulata
Cymodocea serrulata seeds

Enhalus australis
Enhalus australis seeds
Halodule uninervis
Halodule uninervis seeds
Halodule wrightii

Halodule wrightii
Halophila australis
Halophila australis seeds

Halophila beccari
Halophila beccari seeds
Halophila bulosa
Halophila capricorni
Halophila decipiens (Caribbean Seagrass) 1
Halophila decipiens (Caribbean Seagrass) 2
Halophila decipiens (Caribbean Seagrass) seeds
Halophila engelmannii
Halophila hawaiiana
Halophila johnsonii (Johnson's Seagrass) 1
Halophila johnsonii (Johnson's Seagrass) 2

Halophila johnsonii (Johnson's Seagrass) 1
Halophila johnsonii (Johnson's Seagrass) 2
Halophila linearis
Halophila minor 1
Halophila minor 2
Halophila ovata
Halophila ovata seeds
Halophila ovata
Halophila spinevosa
Halophila spinevosa seeds
Halophila stipulacea

Halophila stipulacea seeds
Halophila tricostata 1
Halophila tricostata 2
Halophila tricostata seeds
Heteranthera dubia (Water Stargrass)
Heterozostera tasmanica
Hydrilla verticillata (Waterthyme) 1
Hydrilla verticillata (Waterthyme) 2
Marsilea spp. (Water Clover)
Myriophyllum spicatum (Eurasian Watermilfoil)
Flora: Seagrass/SAV

Najas guadalupensis (Common Water Nymph)  No propagule colonisation
Nuphar spp. (Yellow Waterlily)  Posidonia angustifolia
Phyllospadix spp. (Surfgrass)  Posidonia australis
Posidonia coriacea  Posidonia oceanica growing on matte
Posidonia oceanica seedling 1  Posidonia oceanica seedling 2
Posidonia sinuosa  Posidonia with epiphytes
Potamogeton crispus (Curly-leaf Pondweed)  Potamogeton perfoliatus (Perfoliate Pondweed)
Ranunculus aquatilis (Common Water-crowfoot)  Ruppia maritima fruits
Ruppia maritima reproductive shoots  Ruppia maritima vegetative shoots
Ruppia megacarpa 1  Ruppia megacarpa 2
Ruppia megacarpa flower  Ruppia megacarpa with flowers
Ruppia seed bank  Seagrass
Seagrass: coastal  Seagrass: deep water
Seagrass: intertidal  Seagrass: reef
Seagrass: rivers  Seagrass: subtidal
Seagrass leaf recycling  Seagrass leaf with Cladophora
Seagrass leaf with encrusting epiphytes  Seagrass leaf with epiphytes
Seagrass loss  Seagrass loss and recovery
Seagrass meadow  Seagrass with rhizome
Seagrass: dead matte  Seagrass: detritus
Seagrass: grazer  Seagrass: growth
Seagrass: potential habitat  Seagrass: propagule colonisation
Seagrass: shallow water  Stuckenia pectinata (Sago Pondweed)
Syringodium filiforme  Syringodium isoetifolium 1
Syringodium isoetifolium 2  Syringodium isoetifolium seeds
Flora: Seagrass/SAV

Thalassia hemprichii 1
Thalassia hemprichii 2
Thalassia hemprichii seeds
Thalassia testudinum (Turtlegrass)
Thalassodendron ciliatum 1
Thalassodendron ciliatum 2
Thalassodendron pachyrhizon
Trapa natans (Water Chestnut)
Vallisneria americana (Wild Celery)
Water lily 1

Water lily 2
Zannichellia palustris (Horned Pondweed)
Zostera asiatica
Zostera caespitosa
Zostera capensis
Zostera capensis seeds
Zostera capricornii
Zostera capricornii seeds
Zostera noltii
Human: Aquaculture

Abalone farming  Abandoned shrimp nets  Aquaculture  Aquaculture ponds 1  Aquaculture ponds 2  Aquaculture ponds 3  Dead fish  Dema basket  Dema fisher  Fish cages

Fish cages 2  Fish ladder  Fish trap 2  Fisheries: crustacean  Fisheries: fin  Hard clam aquaculture pen  Illegal shrimp pens  Oyster farming  Oyster farming 2  Oyster racks

Pearl farm hut  Seaweed farm 1  Seaweed farm 2  Seaweed farmer 1  Seaweed farmer 2
Human: Climate Change

- Climate change: above average temperatures
- Climate change: below average temperatures
- Climate change: drought
- Climate change: ghost forest
- Climate change: heat wave
- Climate change: sea-level rise
- Climate change: wildfire
- Flooding
Human: Development/Infrastructure


Waste management: landfill


Water: water pipe 2  Water: water tower  Weir  Well
Human: Education

Book
Bookcase
Computer map icon
Data display icon
Education boat (Indonesia)
Graduates icon
Knowledge icon
Library icon
New ideas icon
Pencil

Samoan school
Teacher
Teaching icon
University
University cap
Webinar icon
Human: Environmental Degradation

- Acid rain
- Air quality: high
- Air quality: low
- Air quality: medium
- Landfill
- Lawn Fertilizer Spreader
- Noise
- Oil spill
- Old bottle
- Old tires
- Overfishing
- Plastic bag 1
- Plastic bag 2
- Plastic bottle 1
- Plastic bottle 2
- Plastic bottle 3
- Receding shoreline
- Roadside trash
- Rusty drum
- Skull and crossbones
- Soda can
- Vessel strike of marine mammal
Fishing

- Bamboo hand spear
- Bamboo speargun
- Benthic Otter Trawl
- Benthic Trawler
- Benthic Trawling
- Chicken necking
- Clammer
- Crab boat
- Crab pot
- Crab scraping

- Cyanide fishing boat
- Cyanide fishing: squeeze bottle
- Double-hulled fishing boat (Samoa)
- Dynamite fishing
- Dynamite fishing: explosion
- Dynamite fishing: Molotov cocktail
- Fish aggregating device
- Fish trap 1
- Fish trap 2
- Fishery

- Fly fishing lure
- Ghost net
- Indonesian zone marker
- Liftback net
- Line Fisher; Indonesia
- Longline tuna boat
- Mothership
- Net fisher
- Net fishers
- Net fishers (India)

- Net fishers with six crew members
- Outrigger canoe (Samoa)
- Outrigger canoe 1
- Outrigger canoe 2
- Outrigger canoe 3
- Prawn trawler
- Purse Seine
- Reef fishing hut
- Seasonal fishing closure sign
- Seining

- Shellfish Fishery
- Shrimp Fishery
- Skipjack
- Trap fishers
- Trawler boat
- Trawler boat 2
- Trotlining
- Waterman
Human: Forestry

- Forestry worker
- Logging
- Logging 2
- Logging 3
- Logging 4
- Logging truck
Human: Management/Restoration

- Restoration: planting trees
- Saltwater intrusion
- Seagrass restoration
- State level planning initiatives
- Toolbox
- Volunteer
- Water quality
- Water quality management
- Water resource management
- Watershed management

Yard waste icon
Human: Mapping/Navigation

Trans-Canada highway sign  U.S. highway sign  U.S. highway sign 2  U.S. highway sign 3  U.S. highway sign 4  U.S. highway sign 5
Human: Mining

- Arctic Drilling
- Blowout Preventer
- Deep sea mining: bulk cutter
- Deep sea mining: seafloor mining tool
- Deep sea mining: support vessel
- Dredge
- Dredge 2
- Dredge 3
- Mine drainage
- Mining: hammer and chisel
- Mining: open cut mine
- Oil Derrick
- Oil Spill Containment
- Petroleum industry: mining truck
- Petroleum industry: oil rig
- Petroleum industry: oil rig platform 1
- Petroleum industry: oil rig platform 2
- Petroleum industry: oil tanker
- Quarry mining
- Saltworks
Human: Recreation

- Tubing
- Water skiing
- Wind surfing
Human: Services

Business colleagues
Business: group presentation
Business: man sitting 1
Business: man sitting 2
Business: man sitting 3
Business: planning meeting
Business: woman sitting 1
Business: woman sitting 2
Fire and rescue: fire engine
Fire and rescue: fire station

Fire management: crew member with drip torch 1
Fire management: crew member with drip torch 2
Health care industry: red cross
Hospitality: casino
Hospitality: cruise ship
Hospitality: eco-resort
Hospitality: ferris wheel
Hospitality: flight attendant
Hospitality: liveaboard dive boat
Hospitality: roller coaster

Hospitality: seafood restaurant
Hospitality: tourism resort
Hospitality: visitor center
Management
Retail: corner store
Retail: downtown shopping center
Retail: fish market
Retail: gasoline pump
Retail: Strip mall
Road salt truck

Wildlife rehabilitation center
Human: Transport

Aviation: airliner and runway
Aviation: airport
Aviation: airport terminal
Aviation: helicopter
Aviation: light aircraft 1
Aviation: light aircraft 2
Boat: dinghy
Boat: Ngalawa (traditional Swahili boat)
Boat: powerboat
Freight: cargo ship 1
Freight: cargo ship 2
Freight: cargo ship 3
Freight: cargo ship 4
Freight: freight train
Freight: lake freighter
Freight: port 1
Freight: port 2
Freight: port crane 2
Freight: port with cargo ship
Freight: semi-trailer truck

Local water transport (India)
Military: armored tank
Military: naval destroyer
Public transport: bus
Public transport: Ferry (Indonesia)
Public transport: gondola
Public transport: metro train
Public transport: school bus
River barge
Tour boat (India)

Vehicle: 4WD
Vehicle: campervan
Vehicle: dump truck
Vehicle: minivan
Vehicle: motorcycle with one rider
Vehicle: motorcycle with two riders
Vehicle: pickup truck
Vehicle: sedan
Vehicle: subcompact car
Vehicle: SUV
Processes: Biological

- CO₂ (Process; primary production low)
- CO₂ (Process; respiration high)
- CO₂ (Process; respiration low)
- O₂ (Respiration)
- X (Response, Bioassay; high; \( x \) = symbol)
- N (Response, Bioassay; high; light)
- N (Response, Bioassay; high; N)
- N+P (Response, Bioassay; high; N+P)
- P (Response, Bioassay; high; P)
- Seabird guano (Response, Bioassay; low; \( x \) = element)
- N (Response, Bioassay; low; N)
- N+P (Response, Bioassay; low; N+P)
- P (Response, Bioassay; low; P)
- Total organic carbon (TOC)
- Fe²⁺ (Uptake; iron)
- N (Uptake; nitrogen)
- \( \text{PO}_4^-³ \) (Uptake; phosphate)
Processes: Chemical

- Delta: high del 15N
- Delta: intermittent del (x=element)
- Delta: intermittent del 13C
- Delta: intermittent del 15N
- Delta: low del 13C
- Delta: low del 15N
- Limitation (x=element)
- Limitation: carbon dioxide
- Limitation: exclusive (x=element)
- Limitation: nitrogen
- Limitation: primary (x=element)
- Limitation: secondary (x=element)
- pH: acidic
- pH: alkaline
- pH: neutral
- Salinity extremes
- Total nitrogen (TN)

Total phosphorus (TP)

Volatile organic compounds
Processes: Inputs/flows

- Antibiotics
- Atmospheric nitrogen
- Atmospheric wind/rain
- Groundwater

Inputs: atmospheric
- carbon dioxide
- lead
- mercury
- nitrogen
- particulates
- phosphorus

Inputs: atmospheric sulphur
- bacteria
- conductivity
- dissolved organic carbon
- freshwater
- gas
- humic stained water
- iron stained water
- nutrients (non-point source)

Inputs: nutrients
- nutrients 1
- nutrients 2
- particulate organic carbon
- saltwater
- sediments 1
- sediments 2
- sediments and nutrients
- sewage
- toxics

Inputs: toxics
- trash
- Pathogens
- Radioactive materials

Toxicants: high
- low
- lead
- organo-chlorine
- Treated Effluent

Toxicants; high
- low
- lead
- Treated Effluent
Prokaryotes and Viruses: Bacteria/cyanobacteria/archaea
Prokaryotes and Viruses: Viruses

Adenovirus  Virus  Virus inserting DNA