Overview

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Ecosystems: Desert

Desert 3D: foothills 1
Desert 3D: foothills 2
Desert 3D: interior valley
Desert 3D: mountains with dry creek and lake
Lake 2D: desert lunette
USA ID: City of Rocks National Reserve
USA OR: John Day Fossil Beds National Monument
Ecosystems: Freshwater

- Australia QLD: Lockyer Creek
- Australia QLD: Logan River
- Australia QLD: Maroochy River
- Australia QLD: Mid Brisbane River
- Australia QLD: Mooloolah River
- Australia QLD: Noosa River
- Australia QLD: North Pine Dam
- Australia QLD: Somerset Dam
- Australia QLD: Stanley River
- Australia QLD: Upper Brisbane River

- Australia QLD: Wivenhoe Dam
- Canyon 3D
- Karst 3D: cenotes, sinkholes, and coastal lagoon
- Lake 2D: glacial with deltaic deposits and terminal moraine
- Lake 2D: laminated sediment
- Lake 2D: perched lake and dune contact lake
- Lake 2D: perched lake and water table window
- Lake 2D: stratified
- Lake 2D: turbidite and laminations
- Lake 2D: varves

- Lake 3D: oxbow lake
- Lake 3D: oxbow lake formation
- Lake 3D: shallow with small river
- Pond 3D: freshwater
- Pond 3D: muddy shore
- Ponds 3D: isolated
- River 2D: deep
- River 2D: deep channel
- River 2D: shallow
- River 2D: water table high

- River 2D: water table low
- River 3D: braided coastal
- River 3D: braided with incoming streams
- River 3D: braided with mountains
- River 3D: catchment
- River 3D: comparison healthy vs eutrophic
- River 3D: comparison natural vs. developed
- River 3D: cross section 1
- River 3D: cross section 2
- River 3D: cross section 3

- River 3D: cross section 4
- River 3D: cross vane weir 1
- River 3D: cross vane weir 2
- River 3D: cutaway
- River 3D: floodplain
- River 3D: flow deflector
- River 3D: foothills and sandy riverbed
- River 3D: foothills to coast
- River 3D: groundwater transport
- River 3D: meandering with sandy banks
Ecosystems: Freshwater

River 3D: mountain and lake
River 3D: mountains and plain
River 3D: navigable channel
River 3D: navigable channel with levees
River 3D: sandy bottom
River 3D: sediment layers
River 3D: two river confluence
River 3D: urban paving with low water level
River 3D: urban paving with mid water level
River 3D: watershed with mountains

River valley 2D: steep and shallow slope
River valley 3D: gentle slope
River valley 3D: steep slope
Stream 3D: aquiclude and spring
Stream 3D: braided
Stream 3D: eroding banks
Stream 3D: healthy
Stream 3D: river valley and water table

Stream 3D: sandy banks in valley
Stream 3D: springs and perched water table
Stream 3D: unhealthy
Water table 3D
Ecosystems: Grassland

Plain 3D: mountains and lake
Plain 3D: simple
Plain 3D: simple with soil layers
Plains 3D: mountains, aquifer, and braided river system
Plains 3D: mountains, caves, sandstone outcrop, aquifer
Ecosystems: Maps

USA ME: Damariscotta River
USA ME: Englishman and Machias Bays
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
USA ME: St. Croix River and Cobscook Bay
USA ME: Wells Bay

USA MS: East Mississippi Sound
USA NC: Albemarle and Pamlico Sounds
USA NC: Bogue Sound
USA NC: Cape Fear River
USA NC: Neuse River
USA NC: Pamlico and Pungo Rivers
USA NJ NY: Hudson River and Raritan Bay
USA NJ: Barnegat Bay
USA NJ: New Jersey Inland Bays

USA NY: Gardiners Bay
USA NY: Great South Bay
USA OR: Coos Bay
USA OR: Coquille River
USA OR: Tillamook Bay
USA SC: Broad River
USA SC: Charleston Harbor
USA SC: St. Helena Sound
USA SC: Stono and North Edisto Rivers

USA SC: Winyah Bay
USA TX: Aransas Bay
USA TX: Baffin Bay
USA TX: Brazos River
USA TX: Corpus Christi Bay
USA TX: Galveston Bay
USA TX: Lower Laguna Madre
USA TX: Matagorda Bay
USA TX: San Antonio Bay
USA TX: Upper Laguna Madre

USA VA: Elizabeth River watershed locator map
USA VA: James River
USA VA: James River watershed locator map
USA VA: Rappahannock River
USA VA: Rappahannock River watershed locator map
USA VA: York River
USA VA: York River watershed
USA VA: York River watershed locator map
USA WA: Bellingham, Padilla, Samish Bays
USA WA: Hood Canal
Ecosystems: Maps

USA WA: Port Orchard Sound
USA WA: Puget Sound
USA WA: Sequim and Discovery Bays
USA WA: Skagit Bay and Whidbey Basin
USA WA: South Puget Sound
USA WA: Willapa Bay
USA: Chesapeake Bay watershed
USA: line map
USA: states
Ecosystems: Meteorology/Climate

- Cold Front
- Constellation: Pleiades
- High clouds: Cirrocumulus
- High clouds: Cirrostratus
- High clouds: Cirrus
- Low clouds: Cumulonimbus 1
- Low clouds: Cumulus 1
- Low clouds: Stratocumulus 1
- Low clouds: Stratus 1
- Middle clouds: Altocumulus 1
- Middle clouds: Altostratus 1
- Moon: first quarter
- Moon: full
- Moon: last quarter
- Moon: new
- Moon: waning crescent
- Moon: waning gibbous
- Moon: waxing crescent
- Moon: waxing gibbous
- Weather vane
- Weather: cyclone (S Hemisphere)
- Weather: hurricane (N Hemisphere)
- Weather: rain
- Weather: rain 2
- Weather: sheeting rain
- Weather: snow
- Weather: solar radiation
- Weather: wind 1
- Weather: wind 2
- Weather: wind 3
- Weather: wind vector
Ecosystems: Mountains/Tundra

- Foothills 3D: foothills and plain
- Hill 3D: with geologic layers
- Lake 2D: caldera with volcanic island
- Lake 3D: caldera lake
- Mountain 3D: caldera lake with volcanic island
- Mountain 3D: glaciated
- Mountain 3D: glaciers and foothills
- Mountain range 3D: eroded and unwarped plateau
- Mountain range 3D: fault block
- Mountain range 3D: folded
- Mountain range 3D: foothills 1
- Mountain range 3D: foothills 2
- Mountain range 3D: foothills and streams
- Mountain range 3D: plain (Great Sand Dunes)
- Mountain range 3D: plain and water table (Great Sand Dunes)
- Mountain range 3D: plains and road
- Mountain range 3D: river candy, mesas, craters, and sand plain
- Mountain range 3D: stream
- Mountains 3D: glacier with braided stream and varve lake
- Mountains 3D: high gradient stream to basalt lake
- Mountains 3D: high gradient stream to sandstone lake
- Mountains 3D: laminated lake
- Mountains 3D: modified valley and granite outcrop
- Mountains 3D: river, tinajas, and marsh
- Mountains 3D: rocky outcrop and stream
- USA VA: Shenandoah National Park
Ecosystems: Other

- Meteorite 3D: crater
- Meteorite 3D: crater lake
- Plate tectonics: subduction zone and mid-ocean ridge
- Volcano 3D: caldera
- Volcano 3D: cinder cone
- Volcano 3D: composite
- Volcano 3D: dome
- Volcano 3D: fissure
- Volcano 3D: shield
Fauna: Amphibians

Amphibians

Anura (Frog) lifecycle:
- day 01 egg
- day 03-04 tailbud
- day 06 tadpole with external gills
- day 09 tadpole with internal gills
- day 12 tadpole with operculum
- day 70 tadpole with hindlimbs
- day 84 tadpole with forelimbs
- day 84+ tadpole metamorphosis
- day 84+ young frog

Bufo americanus (American Toad): adult
Dendrobates pumilio (Dart-poison Frog): adult
Eleutherodactylus coqui (Coqui Frog)
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
Fauna: Birds

'Akohekohe (palmeria dolei)
'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 (Magpie Goose) 1
Anseranas semipalmata (Magpie Goose) 2
Aplodontyes forsteri (Emperor Penguin)
Ardea Herodias (Great Blue Heron)
Bird box
Bird nest with eggs
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)
Charadrius alexandrinus (Sage Grouse)
Charadrius melodus (Piping Plover) 1
Charadrius melodus (Piping Plover) 2
Charadrius montanus (Mountain Plover)
Coccyzus americanus (Yellow-billed Cuckoo)
Coccyzus minor (Mangrove Cuckoo)
Coebera flaveola (Bananaquit)
Columba livia (Rock Pigeon)
Cygnus atratus (Black Swan)
Cygnus buccinator (Trumpeter Swan)
Cygnus olor (Mute Swan) 1
Cygnus olor (Mute Swan) 2
Cygnus olor (Mute Swan) 3
Dacelo novaeguineae (Laughing Kookaburra)
Dead bird
Dendroica cerulea (Cerulean Warbler)
Dendroica discolor (Prairie Warbler)
Dendroica petechia (Yellow Warbler)
Dolichonyx oryzivorus (Bobolink)
Drepanis coccinea (Scarlet Honeycreeper)
Dromaius novaehollandiae (Emu)
Duck
Fauna: Birds

- Ducula bicolor (Pied Imperial Pigeon)
- Elanus leucurus (White-tailed Kite)
- Elepaio (chasiempis sandwichensis)
- Empidonax virescens (Acadian Flycatcher)
- Eolophus roseicapilla (Galah)
- Falco mexicanus (Prairie Falcon)
- Falco peregrinus (Peregrine Falcon)
- Flying geese
- Fregata minor (Great Frigatebird)
- Gallus gallus domesticus (Chicken)
- Gallus gallus domesticus (Chicken) 2
- Geococcyx californianus (Greater Roadrunner)
- Grus americana (Whooping Crane) 1
- Grus americana (Whooping Crane) 2
- Gymnomyza samoensis (Ma'o Ma'o)
- Haematopus longirostris (Pied Oystercatcher)
- Haematopus palliatus (American Oystercatcher)
- Haliaeetus leucocephalus (Bald Eagle)
- Haliaeetus leucogaster (White-bellied Sea Eagle)
- Hawai'i akepa (loxops coccineus)
- Hawai'i creeper (oreomystis mana)
- Hawaiian Crow or alala (Corvus hawaiiensis)
- Himantopus himantopus (Black-winged Stilt)
- Himantopus mexicanus (Black-necked Stilt)
- Himantopus mexicanus (Black-necked Stilt) : eggs
- House finch (carpodacus mexicanus)
- Hylocichla mustelina (Wood Thrush)
- Icterus galbula (Baltimore Oriole)
- Irediparra galinacea (Comb-crested Jacana)
- Japanese bush warbler (cettia diphone)
- Japanese white-eye (zosterops japonicus)
- Larus spp. (Seagull)
- Ma'ui 'alauahio (paroreomyza montana)
- Melanerpes erythrocephalus (Red-headed Woodpecker)
- Meleagris gallopavo (Wild turkey)
- Molothrus spp. (Cowbird)
- Molothrus spp. (Cowbird) : nest
- Mycteria americana (Wood Stork)
- Nycticorax nycticorax (Black-crowned Night Heron)
- Opporonis formosus (Kentucky Warbler)
- Pandion haliaetus (Osprey) adult
- Passerculus sandwichensis (Savannah Sparrow)
- Passerina ciris (Painted Bunting)
- Pelecanus occidentalis (Brown Pelican)
- Pelecanus spp. (Pelican)
- Phaethon aethereus (Red-billed Tropicbird)
- Phalacrocorax auritus (Double-crested Cormorant)
- Phalacrocorax varius (Australian Pied Cormorant)
- Phoenicopterus minor (Lesser Flamingo) : flying
- Phoenicopterus minor (Lesser Flamingo) : standing
Fauna: Birds

Phoenicopterus minor (Lesser Flamingo) : walking
Phoenicopterus ruber (American Flamingo) 1
Phoenicopterus ruber (American Flamingo) 2
Phoenicopterus ruber (American Flamingo) 3
Picoides pubescens (Downy Woodpecker)
Platalea spp. (Spoonbill)
Pluvialis fulva (Pacific Golden Plover)
Po’ouli (melanprosops 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) 1
Recurvirostra novaehollandiae (Red-necked Avocet) 2
Recurvirostra novaehollandiae (Red-necked Avocet) : flock
Rostrhamus sociabilis (Snail Kite)
Rynchops niger (Black Skimmer)
Spiza americana (Dickcissel)
Spizella pusilla (Field Sparrow)

Sterna maximus (Royal Tern)
Sterna spp. (Tern)
Sternula antillarum (Least Tern)
Strix occidentalis (Spotted Owl)
Strix varia (Barred Owl)
Sturnella neglecta (Western Meadowlark)
Todiramphus chloris (Collared Kingfisher)
Trichoglossus haematodus (Rainbow Lorikeet)
Turdus migratorius (American Robin)
Vireo altiloquus (Black-whiskered Vireo)
Fauna: Cnidaria

- Acropora cervicornis (Staghorn Coral)
- Acropora cervicornis: bleached
- Acropora palmata (Elkhorn Coral)
- Acropora palmata: bleached
- Acropora spp.
- Acropora: black band disease
- Acropora: bleached 1
- Acropora: bleached 2
- Acropora: brown band disease
- Acropora: fragment

- Acropora palmata (Elkhorn Coral) 2

- Brain coral (Faviidae) 1
- Brain coral (Faviidae) 2
- Branching coral
- Branching coral: juvenile
- Catostylus mosaicus (Jelly Blubber)
- Coral larva
- Coral polyp
- Encrusting coral
- Gorgonian: sea fan
- Gorgonian: sea whip

- Heliopora coerulea (Blue Coral)
- Hydra
- Hydra: budding
- Jellyfish
- Lobophyllia spp. (Brain Coral)
- Moerisia spp. (Jellyfish)
- Montastrea spp. (Brain Coral)
- Mushroom coral (Fungia Spp.)
- Mushroom coral (Fungiidae)
- Octocoral (Octocorallia)

- Plate coral 1
- Plate coral 2
- Plate coral 3
- Plate coral: crown of thorns damage
- Platygyra spp. (Brain Coral)
- Pocillopora meandrina (Cauliflower Coral)
- Porites (Finger Coral)
- Porites lobata (lobe coral)
- Porites lobata: bleached
- Sarcophyton spp.

- Sea anemone 1
- Sea anemone 2
- Soft coral
- Tubastrea spp. 1 (Sun Coral)
- Tubastrea spp. 2 (Sun Coral)
Fauna: Crustaceans

- Acartia spp. (Copepod)
- Amphipod
- Aratus pisonii (Mangrove Tree Crab)
- Barnacle: closed
- Barnacle: open
- Calcinus verrilli (Verrilli's Hermit Crab)
- Callianassa spp. (Burrowing Mud Shrimp)
- Callinectes sapidus (Blue Crab): adult 1
- Callinectes sapidus (Blue Crab): adult 2
- Callinectes sapidus (Blue Crab): coupling
- Callinectes sapidus (Blue Crab): egg-bearing female
- Callinectes sapidus (Blue Crab): female ventral view
- Callinectes sapidus (Blue Crab): first crab
- Callinectes sapidus (Blue Crab): juvenile
- Callinectes sapidus (Blue Crab): male dorsal view
- Callinectes sapidus (Blue Crab): male ventral view
- Callinectes sapidus (Blue Crab): megalopa 1
- Callinectes sapidus (Blue Crab): megalopa 2
- Callinectes sapidus (Blue Crab): ventral view adolescent female
- Callinectes sapidus (Blue Crab): zoea 1
- Callinectes sapidus (Blue Crab): zoea 2
- Coxeod 1
copepod2
- Crab zoea
- Crayfish
- Crustacean: juvenile
- Crustacean: nauplius
- Daphnia pulex (Water Flea)
- Gammarus spp.
- Goniopsis cruentata (Mangrove Crab)
- Grapsus tenuicrustatus (Thin-shelled Rock Crab)
- Hermit Crab
- Homarus gammarus (European Lobster)
- Macrobrachium jelskii (Agar River Prawn)
- Menippe mercenaria (Florida Stone Crab)
- Mictyris spp. (Soldier Crab) 1
- Mictyris spp. (Soldier Crab) 2
- Mysid spp.
- Oithona spp.
- Pachygraspus marmoratus (Marbled Rock Crab)
- Panulirus argus (spiny lobster) : frontal view
- Panulirus argus (Spiny Lobster) : phyllosoma
- Panulirus argus (Spiny Lobster) : puerulus
- Panulirus argus (spiny lobster) : side view
- Panulirus argus (Spiny Lobster) eggs
- Paraclanus spp.
- Penaeus monodon (Tiger Prawn) : adult
- Prawn shrimp
- Rock Lobster
Fauna: Crustaceans

Stomatopod

Uca annulipes (Mangrove Fiddler Crab)

Uca spp. (Fiddler Crab)

Uca spp. (Fiddler Crab) 2

Uca spp. (Fiddler Crab): anterior view

Uca thayeri (Mangrove Fiddler Crab)
Fauna: Echinoderms

Acanthaster planci (Crown-of-Thorns starfish)
Diadema antillarum (black sea urchin)
Echinothrix diadema (Long Spined Urchin)
Holothurian 1
Holothurian 2
Linckia laevigata (Blue Linckia)
Lytechinus variegatus (Variegated Sea Urchin)
Ophiopholis aculeata (Daisy Brittle Star)
Pteraster tessalatus (Cushion Star)
Pycnopodia helianthoides (Sunflower Seastar)
Fauna: Fish

Acanthurus achilles (Achilles Tang)
Acanthurus lineatus (Striped Surgeonfish)
Acanthurus nigrofuscus (Brown Surgeonfish)
Acanthurus triostegus (Convict Tang)
Acipenser oxyrinchus (Atlantic Sturgeon)
Aldrichetta forsteri (Yellow-eye Mullet)
Alosa aestivalis (Blueback Herring)
Alosa mediocris (Hickory Shad)
Alosa pseudoharengus (Alewife)
Alosa sapidissima (American Shad)

Ammodieetes dubius (Northern Sand Lance)
Amniantaba caudavittata (Yellowtail trumpeteter)
Amphiprion spp. (Clownfish)
Anchoa mitchilli (Bay Anchovy)
Anchoa mitchilli (Bay Anchovy) : juvenile
Anguilla rostrata (American Eel)
Anguilla rostrata (American Eel) : elver
Anguilla rostrata (American Eel) : glass eel
Anguilla rostrata (American Eel) : silver

Anguilla rostrata (American Eel) : yellow
Apolemichthy trimaculatus (Flagfin Angelfish)
Aprion virescens (Green Jobfish) : adult
Arctogadus glacialis (Arctic Cod)
Argyrosomus spp. (Mulloway)
Arius graeffei (Fork-tailed Catfish)
Arrhamphus sclerolepis (Snub-nosed Garfish)
Arripis georgianus (Australian Herring)
Atherinomorus duodecimalis (Tropical silverside)
Bairdiella chrysoa (American Silver Perch)

Balistapus undulatus (Orange-lined Triggerfish)
Balistes capriscus (Gray Triggerfish)
Balone belone (Garfish)
Bidyanus bidyanus (Silver Perch)
Bolbometopon muricatum (Green Humhead Parrotfish)
Brachionichthys hirsutus (Spotted Handfish)
Brevoortia tyrannus (Atlantic Menhaden)
Brevoortia tyrannus (Atlantic Menhaden) : juvenile
Caranx ignobilis (Giant Trevally)
Carcharhinus leucas (Bull Shark) 1
Carcharhinus leucas (Bull Shark) 2
Carcharhinus melanoceius (Blacktip Reef Shark)
Carcharhinus plumbeus (Sandbar Shark)
Centropomus undecimalis (Common Snook)
Centropristis striata (Black Sea Bass)
Cephalopholis argus (Blue-spotted Grouper)
Cephalopholis miniata (Vermillion Sea Bass)
Chaetodon lineolatus (Lined Butterflyfish)
Chanos chanos (Milkfish) 1
Chanos chanos (Milkfish) 2
Fauna: Fish

- Oreochromis mossambicus (Mozambique Tilapia)
- Pagoauratus (Australasian Snapper)
- Paralichthys californicus (California Halibut)
- Paralichthys dentatus (Summer Flounder)
- Paralichthys dentatus (Summer Flounder) juvenile
- Paralichthys dentatus (Summer Flounder) larva
- Pelates sexlineatus (Six-lined Trumpeter)
- Perca flavescens (Yellow Perch)
- Phoxinus eos (Northern Redbelly Dace)
- Phycodurus spp. (Leafy Sea Dragon)
- Platycephalus spp. (Flathead)
- Plectorhinchus chaetodonoides (Spotted Sweetlips) juvenile
- Plectorhinchus polytaenia (Ribboned Sweetlips)
- Plectorhinchus areolatus (Squarretail Coralgrouper)
- Plectorhinchus leopardus (Coral Trout)
- Plectorhinchus oligacanthus (Highfin Coralgrouper)
- Plectorhinchus oligacanthus (Highfin Coralgrouper)
- Plectropomus areolatus (Squaretail Coralgrouper)
- Plectropomus leopardus (Coral Trout)
- Plectropomus spp. (Coral Trout)
- Pleuronectes platessa (European Plaice)
- Pomacanthus imperator (Emperor Angelfish)
- Pomatomus saltatrix (Bluefish)
- Pomatoschistus minutus (Sand Goby)
- Pristis pectinatus (Saw Shark)
- Pristis pectinata (Smalltooth Sawfish)
- Pseudocaranx dentex (White Trevally)
- Pterois volitans (Red Lionfish)
- Ptychocheilus grandis (Sacramento Pikeminnow)
- Rhincodon typus (Whale Shark)
- Rhinichthys atronasus (Blacknose Dace)
- Rhinoptera bonasus (Cownose Ray)
- Rivulus marmoratus (Mangrove Killifish)
- Salmo salar (Atlantic Salmon)
- Salmo salar (Atlantic salmon) alevin
- Salmo salar (Atlantic salmon) eggs
- Salmo salar (Atlantic salmon) fry
- Salmo salar (Atlantic salmon) parr
- Salmo salar (Atlantic salmon) smolt
- Salmo trutta (Brown Trout)
- Salvelinus alpinus (Arctic Char)
- Salvelinus confluentus (Bull Trout)
- Salvelinus fontinalis (Brook Trout)
- Sander vitreus (Cow Bream)
- Scaphirhynchus albus (Palid Sturgeon)
- Scarius sp. (Parrotfish)
- Sciaenops ocellatus (Red Drum)
- Scomberomorus cavalla (King Mackerel)
- Scomberomorus murrion (Australian Spotted Mackerel)
Fauna: Fish

- **Scorpaenichthys marmoratus** (Cabezon)
- **Sebastes carnatus** (Gopher Rockfish)
- **Sebastes crameri** (Darkblotched Rockfish)
- **Serranus cabrilla** (Comber)
- **Serranus scriba** (Painted Comber)
- **Shark**
- **Sicydium plumieri** (Sirajo Goby)
- **Siganus spinus** (Scribbled Rabbit Fish)
- **Siganus spp.** (Rabbitfish)
- **Sillaginodes punctata** (King George Whiting)
- **Sillago ciliata** (Sand Whiting)
- **Spheoeroides maculatus** (Northern Puffer)
- **Sphyraena spp.** (Hammerhead Shark)
- **Sphyraena cantharus** (Black Seabream)
- **Stolephorus commersonii** (Commerson's Anchovy)
- **Symphodus rostratus**
- **Tandanus tandanus** (Eel-tailed Catfish)
- **Thunnus albacares** (Yellowfin Tuna)
- **Triaenodon obesus** (Whitetip Reef Shark)
- **Trinectes maculatus** ( Hogchoker)
- **Urophycis regia** (Spotted Hake)
- **Zanclus cornutus** (Moorish Idol)
- **Zebrasoma flavescens** (Yellow Tang)
- **Zebrasoma scopas** (Brown Scopas Tang)
- **Zeus faber** (John Dory)
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)
Daihinibaenetes giganteus (Giant Sand Treader Camel Cricket)
Danaus plexippus (Monarch Butterfly)
Dendroctonus ponderosae (Mountain Pine Beetle)
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
Ornthoptera priamus (King Priamo's Birdwing)
Papilio glaucus (Eastern Tiger Swallowtail Butterfly)
Papilio ulysses (Ulysses Butterfly)
Praying mantis
Problemata 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

Ailuropoda melanoleuca (Panda)
Alces alces (Moose)
Antilope cervicapra (Blackbuck Antelope)
Arctocephalus pusillus (Brown Fur Seal)
Balaena mysticetus (Bowhead Whale)
Balaenoptera borealis (Sei Whale)
Bison bison (American Bison)
Bos taurus (Bull)
Bos taurus (Cow)
Bos taurus (Cow)
Bos taurus (Cow)
Bos taurus (Cow)
Bos taurus (Cow)
Bos taurus (Cow)
Bos taurus (Hereford Steer)
Bos taurus (Longhorn Steer)
Camelus dromedarius (Arabian Camel)
Canis latrans (Coyote)
Canis lupis familiaris (Dog)
Canis lupis familiaris (Dog) : feces
Capra aegagrus hircus (Goat)
Castor canadensis (North American Beaver)
Castor canadensis (North American Beaver) : dam
Castor canadensis (North American Beaver) : hut
Cervus elaphus (Red Deer) : buck
Cervus elaphus (Red Deer) : doe
Cervus nippon (Sika Deer) : buck
Cervus nippon (Sika Deer) : doe
Chaetodipus hispidus (Hispid Pocket Mouse)
Cynomys spp. (Prairie Dog)
Dipodomys ordii (Kangaroo Rat)
Dugong dugon (Dugong)
Dugong dugon (Dugong) : 1
Dugong dugon (Dugong) : 2
Enhydra lutris (Sea Otter)
Enhydra lutris (Sea Otter) : 1
Enhydra lutris (Sea Otter) : 2
Equus ferus caballus (Horse)
Equus ferus caballus (Horse) : feces
Equus ferus caballus (Pony)
Equus ferus caballus (Pony) : 1
Equus ferus caballus (Pony) : 2
Equus quagga (Plains Zebra)
Eschrichtius robustus (Gray Whale)
Eubalaena glacialis (Right Whale)
Euderma maculatum (Spotted Bat)
Felis catus (Cat) : domestic
Felis catus (Cat) : feral
Fauna: Mammals

- Sus scrofa domestica (domestic pig)
- 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)
- Dololid (Tunicate)
- Fossil trilobite
- Limulus polyphemus (Horseshoe Crab)
- Mnemiopsis leidyi (Comb Jelly)
- Neoesperiopsis rigida (Orange Finger Sponge)
- Sea squirt
- Sponge 1
- Sponge 2
- Springtail (Collembola)
- Tardigrade
Fauna: Protozoans

- Actinophrys sol (Amoeba)
- Chaos diffluens (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
- Eumeces fasciatus (American Five-lined Skink)
- Eunectes murinus (Green Anaconda)
- Geochelone nigra (Galapagos Giant Tortoise) 1
- Geochelone nigra (Galapagos Giant Tortoise) 2
- Geochelone nigra (Galapagos Giant Tortoise) hatchling
- 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
- Flatworm
- 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 dimidiatus (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

Poa pratensis (Kentucky Bluegrass)
Poaceae (Grass)
Polygonum cespitosum (Oriental Lady's Thumb)
Polystichum acrostichoides (Christmas Fern)
Pseudoroegneria spicata (Bluebunch Wheatgrass)
Sanguisorba canadensis (Canadian Burnet)
Scaevola coriacea (Dwarf Naupaka)
Schizachyrium scoparium (Little Bluestem)
Seed parachute
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)
Wilted plant
Flora: Macroalgae

Acanthophora spicifera (Spiny Seaweed)
Asparagopsis spp.
Asparagopsis taxiformis (Limu Kohu)
Catanella spp.
Caulerpa filiformis
Caulerpa racemosa 1
Caulerpa racemosa 2
Caulerpa taxifolia
Chaetomorpha linum
Chaetomorpha spp.
Chaetomorpha spp. microscopic view
Chlorodesmis spp. (Turtle Weed)
Chlorophyta
Chondrus crispus (Irish Moss)
Codium fragile (Dead Man's Fingers)
Colpomenia spp.
Coralline algae
Cryptopleura ramosa
Cystoseira compressa
Dictyota dichotoma
Ecklonia radiata
Enteromorpha intestinalis (Gutweed)
Epilithic algae
Gracilaria spp. 1
Gracilaria spp. 2
Halimeda discoidea
Halimeda spp.
Hormosira banksii (Neptune's Necklace)
Hypnea musciformis
Laminaria spp.
Laurencia obtusa
Laurencia spp.
Macrocystis pyrifera (Giant Kelp) 1
Macrocystis pyrifera (Giant Kelp) 2
Nereocystis pyrifera (Bull Kelp)
Padina (Brown Algae)
Padina spp. (Peacock's Tail)
Rhodophyta (Red Algae)
Saccharina latissima (Sugar Kelp)
Sarcothalia stiriata
Sargassum spp.
Splachnidium rugosum
Turf algae
Ulva spp. (Sea Lettuce)
Undaria pinnatifida (Wakame)
Flora: Mangroves

- Rhizophora stylosa
- Rhizophora stylosa flower
- Rhizophora stylosa fruit
- Rhizophora stylosa leaf
- Rhizophora stylosa propagule
- Sonneratia alba (Mangrove Apple)
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

- Deep water seagrass
- Elodea canadensis (Canadian Waterweed)
- Enhalus acoroides
- Enhalus acoroides seeds
- Halodule uninervis
- Halodule uninervis seeds
- Halodule wrightii
- Halodule wrightii (Shoalweed)
- Halophila australis
- Halophila beccari
- Halophila beccari seeds
- Halophila bullosa
- Halophila capricorni
- Halophila decipiens (Caribbean Seagrass)
- Halophila decipiens (Caribbean Seagrass) seeds
- Halophila engelmannii
- Halophila hawaiiana
- Halophila johnsonii (Johnson's Seagrass)
- Halophila johnsonii (Johnson's Seagrass) seeds
- Halophila johnsonii (Johnson's Seagrass)

- Halophila linearis
- Halophila minor 1
- Halophila minor 2
- Halophila ovalis
- Halophila ovalis seeds
- Halophila ovata
- Halophila seed bank
- Halophila spinulosa
- Halophila spinulosa seeds
- Halophila stipulacea

- Halophila stipulacea seeds
- Halophila tricostata 1
- Halophila tricostata 2
- Halophila tricostata seeds
- Heteranthera dubia (Water Stargrass)
- Heterozostera tasmanica
- Hydrida verticillata (Waterthyme)
- Hydrida verticillata (Waterthyme) 1
- Hydrida 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)
- Phyllospadix spp. (Surfgrass)
- Posidonia angustifolia
- 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 seed bank
- Seagrass
- Seagrass habitat: coastal
- Seagrass habitat: deep water
- Seagrass habitat: intertidal
- Seagrass habitat: reef
- Seagrass habitat: rivers
- Seagrass habitat: 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
- Stuckenia pectinata (Sago Pondweed)
- Syringodium filiforme
- Syringodium isoetifolium 1
- Syringodium isoetifolium 2
- Syringodium isoetifolium seeds
Flora: Seagrass/SAV

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

Water lily
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: Culture/Archaeology

Maryland State House  Mathematics: Pi  Metrosideros Polymorpha (Hi’a Lehua)

Monument 1  Monument 2  Music: eighth notes 1  Music: eighth notes 2  Outrigger canoe 4

Palagi house (Samoa)  Palau Storyboard: 1

Palau Storyboard: 2  Palau Storyboard: 3  Palau Storyboard: 4  Palau Storyboard: 5

Petroglyph: (Hawaiian Honu)  Pyramid 1  Pyramid 2  Religion: Christian cross

Samoan canoe  Shipwreck

Step pyramid 1  Step pyramid 2  Stilt house (Indonesia) 1  Stilt house (Indonesia) 2  Stilt house (West Papua)

Storyteller  Sydney Opera House  Tipi/Teepee (Plains Indians)  Totem pole (First Nations)  Trading keelboat
Human: Development/Infrastructure


Prison Tower  Small village (India)  Suburban Cape Cod Home on Stilts  Suburban canal estate 1  Suburban canal estate 2  Suburban Cape Cod home with porch  Suburban Cape Cod house  Suburban house 1  Suburban house 10  Suburban house 11

Suburban house 2  Suburban house 3  Suburban house 4  Suburban house 5  Suburban house 6  Suburban house 7  Suburban house 8  Suburban house 9  Suburban house with verandah  Suburban McMansion

Suburban: Queenslander  Suburban: rancher 1  Suburban: rancher 2  Suburban: west coast house 1  Suburban: west coast house 2  Urban cafe  Urban sprawl  Urban apartment building 1  Urban apartment building 2  Urban apartment building 3

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
Human: Forestry

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

Anchor damage management
Archaeological site management
Avalanche control
Backcountry management
Biodiversity Hot Spot
Bioindicators
Blue crab management
Coastal zone management
Defense force lands
Degraded water quality

Economic indicators
El Nino Southern Oscillation management
Exotic plant management: crew member
Fertilizer ban icon
Fire management
First nations management (Canada)
Fisheries management
Fishing moratorium
Forestry management
Government 1

Government 2
Habitat management
Human access management
Immigration control
Indigenous management (Australia)
Indigenous management (Kuna, Panama)
Indigenous management (New Zealand)
Indigenous management (USA)
International obligations and treaties
Introduced species management

Kyoto protocol
Lawn fertilizer icon
Legislative initiative icon
Linking science and management
Marine Access Limited
Marine protected area
Marsh restoration
Money symbol
Next steps
No take zone

Oyster restoration
People icon
Poorly understood systems
Port authorities
Rain barrel icon
Recycling bins
Regional level initiatives
Restoration: boy with shovel
Restoration: girl planting tree
Restoration: man planting tree
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

Buoy: midchannel, safe
Buoy: port, lighted
Buoy: starboard, lighted
Can buoy: port
Can buoy: starboard
Canadian autoroute sign
Cardinal marker: east
Cardinal marker: north
Cardinal marker: south
Cardinal marker: west
Channel buoy: midchannel, light
Channel buoy: midchannel, no light
Channel buoy: port
Channel buoy: starboard
County highway sign
County highway sign
County highway sign
Divers flag, alfa flag international
Divers flag, USA
Interstate highway sign
Interstate highway sign
Interstate highway sign
Lateral marker: international port
Lateral marker: international, starboard
Lateral marker: USA, port
Lateral marker: USA, starboard
Lifeguard flag: Australia, safe to swim between flags
Lifeguard flag: UK, danger no swimming
Lifeguard flag: UK, surf craft only
Lifeguard flag: UK, swim in designated areas
North Arrow 1
North Arrow 2
North arrow 3
Nun buoy: port
Nun buoy: starboard
Regulatory marker: danger
Regulatory marker: keep out
Regulatory marker: speed limit
Scale bar
Scale bar: kilometers vs miles
State highway sign
State highway sign 2
State highway sign 3
State highway sign 4
Storm warning: gale
Storm warning: hurricane
Storm warning: small craft advisory
Storm warning: storm whole gale
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


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, 2, 3)
- Business: planning meeting
- Business: woman sitting (1, 2)
- Fire and rescue: fire engine
- Fire and rescue: fire station
- Fire management: crew member with drip torch (1, 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
Processes: Biological

- Biodiversity: algae
- Biodiversity: invertebrates
- Bioturbation
- Concentration: high chlorophyll
- Concentration: high dissolved organic carbon
- Concentration: high particulate organic carbon
- Concentration: high phytoplankton
- Concentration: intermittent chlorophyll
- Concentration: intermittent dissolved organic carbon
- Concentration: intermittent particulate organic carbon
- Concentration: low chlorophyll
- Concentration: low dissolved organic carbon
- Concentration: low particulate organic carbon
- Concentration: low phytoplankton
- Evapotranspiration; reduced
- Food webs; detrital 1
- Food webs; detrital 2
- Food webs; grazing 1
- Food webs; grazing 2
- Grazing: Dugong
- Grazing: Reef fish
- Grazing: Turtle
- Grazing: Urchin
- Photosynthesis
- Photosynthesis/Respiration
- Phytoplankton bloom/crash
- Process: (x = element) in
- Process: (x = element) out
- Process; ammonification
- Process; calcification
- Process; calcium dissolution
- Process; calcium in
- Process; calcium out
- Process; denitrification 1
- Process; denitrification 2
- Process; iron in
- Process; iron out
- Process; nitrification
- Process; nitrogen fixation 1
- Process; nitrogen fixation 2
- Process; organic carbon release
- Process; oxygen in
- Process; oxygen out
- Process; phosphate remineralization
- Process; phosphorus in
- Process; phosphorus out
- Process; primary production
- Process; primary production high
Processes: Physical

Light: water absorption deep
Light: water absorption shallow
Limitation: diffusion
Limitation: hydrodynamic
Limitation: light
Mean flow speed
Mixing
Mixing time
Precipitation
Reaction time

Residence time: long
Residence time: short
Reynolds number
RMS (root mean square) turbulence intensity
Salinity gradient
Sediment
Sediment movement
Sediment resuspension
Sediment resuspension 2
Sediment suspension

Shear velocity
Sorption
Temperature variation
Temperature: high
Temperature: low
Temperature: moderate
Temperature: very high
Tide
Tide: astronomical
Tide: meteorological

Transport: dissolved organic carbon
Transport: freshwater
Transport: gas
Transport: humic stained water
Transport: iron stained water
Transport: nutrients
Transport: particulate organic matter
Transport: saltwater
Transport: sediments and nutrients
Transport: sediments

Turbulent eddy
Turbulent energy dissipation rate
Upwelling
Wake turbulence
Prokaryotes and Viruses: Bacteria/cyanobacteria/archaea

- Acinetobacter spp. (Bacteria)
- Anabaena
- Archaea
- Bacterium
- Bacterium with prophage
- Bacteroidetes
- Coccolid bacterium
- Cyanobacteria
- Cyanobacterial mat
- Infected bacterium

- Jannaschia spp.
- Lyngbya majuscula
- Nodularia spp.
- Sigmoid bacterium
- Synechococcus spp.
- Trichodesmium spp.
Prokaryotes and Viruses: Viruses

- Adenovirus
- Virus
- Virus inserting DNA