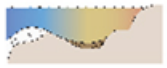
Ecosystem: Coastal Marine


Aquatic ecosystem; clastic and carbonate sediment

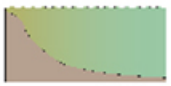
Aquatic ecosystem; good vs bad

Aquatic ecosystem; underwater shoreline

assawoman bay watershed

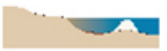
barrier island bar

barrier island estuary


Bay

beach

Bramble Bay Australia


catchment and sand barrier estuary

channels and offshore sand drift estuary

chesapeake bay

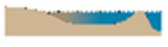
chesapeake bay with mountains and shelf

chincoteague watershed

closed and stratified lagoon

closed estuary 1

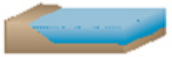
closed estuary 2

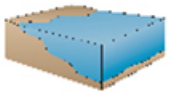

closed estuary 3

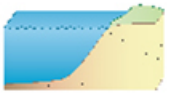
coastal floodplain

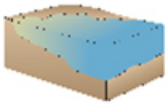
coastal ocean

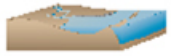
coastline1


coastline2


coastline3

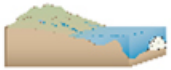

coastline4


coastline5

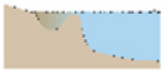

coastline with barrier islands

coastline with mountains and islands

coastline with mountains rivers and dam

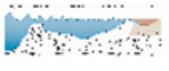

coastline with mountains rivers and reef

coral atoll


costal embayment

deception bay australia

deep reed habitat


deep reef to estuary

deep waterway

dunes and salt wedge estuary

dunes and watertable

esatern moreton bay australia

estero bay ca

estuary

estuary with rock catchment

exposed reef

freshwater stream

gold coast australia

gradual 5 degree slope

guyot formation

intertidal mud habitat

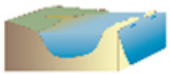
intertidal mudflat habitat

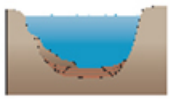
intertidal reef

intertidal zone

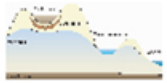
inverse salt wedge estuary

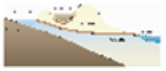
Isle of wight watershed

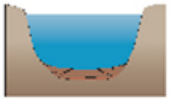

lagoon with barrier sand islands


Lake with turbidite and laminations

lake with varves


lakes in coastal sandmass1


lakes in coastal sandmass2

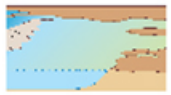

laminated sediment lake

logan river australia

manchac landbridge

maroochy river australia

mooloolah river australia


morro bay ca

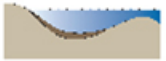
nearshore reef

Newport watershed

noosa river australia

open coastal lagoon

open estuary 1

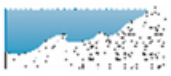

open estuary 2

open estuary with dunes

patch reef with coral cay and lagoon

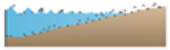
protected reef

protected sand habitat1


protected sand habitat2

pumicestone passage australia

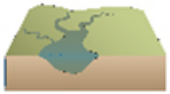
rarely vs permanently open estuary


receding shoreline

river cross section

river mouths1

river mouths2

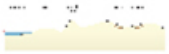

river mouths3

rocky headlands

rocky reef

rocky reef habitat

salt wedge estuary



sandy coastline1

sandy coastline2

sandy headlands

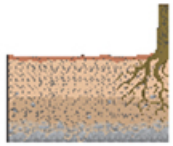
sea ice shelf

sea level rise

seasonally closed estuary

seastack headlands

sediment layers

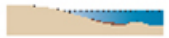


sediment layers with tree roots

shallow waterway

sheltered and exposed coastlines1

sheltered and exposed coastlines2



simple estuary

Sinepuxent watershed

southern moreton bay islands australia

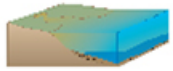
spit bay comparison

spit formation

St Martin watershed

steep 45 degree slope

stratified lake



stratified water column estuary

subduction zone and mid ocean ridge

subtidal mud habitat

subtropical estuary

tidally restricted estuary1

tidally restricted estuary2

tropical coast1

tropical coast2

tropical coast3

tropical estuary with offshore reef

volcanic island with barrier reef

volcanic island with coral and deep sea

volcanic island with fringing reef

waterloo bay australia

watershed and receiving waters

watershed and river comparison

watershed and rivers

waterway1

waterway2

Ecosystem: Desert

desert lunette lake

desert mountains with dry creek and lake

foothills1

foothills2

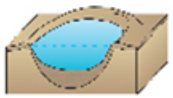
interior valley

john day fossil beds natl mon

Ecosystem: Elements

fire_low

iceberg_low


meteorite crater lake_low

meteorite crater_low

mountain with snow_low

mountains_low

particles_low

rocks1_low

rocks2_low

rocks3_low

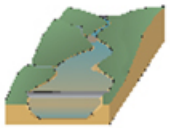
Ecosystem: Freshwater

glacial lake with deltaic deposits and terminal morraine

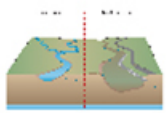
isolated ponds

lake with river

lockyer creek australia



mid brisbane river australia



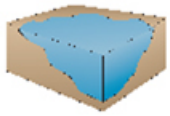
natural vs developed waterway

north pine dam australia

oxbow lake

oxbow lake formation

plain with lake and mountains



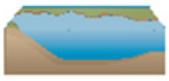
pond

river cross section2

river cross section3

river cross section4

river cross section5



river cross section6

river cross section7

river cross section8

river floodplain

river valley1

river valley2

river valley3

river watershed with mountains

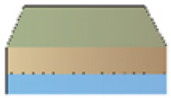
river with sediment layers

somerset dam australia

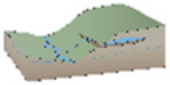
stanley river australia

stream with springs and perched water table

upper brisbane river australia



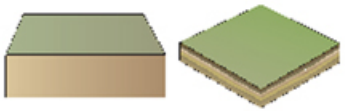
water table



wetland with aquiclude and spring

wivenhoe dam australia

Ecosystem: Grassland



plain

plain with soil layers

Ecosystem: Maps

assawoman bay watershed

Australia

chesapeake bay

chesapeake bay line map

chesapeake bay water only

chesapeake bay watershed

chincoteague bay watershed

choptank river

coastal bays

coastal bays watersheds

Delmarva

Delmarva line map

isle of wight watershed

newport watershed

sinepuxent watershed

southern florida

southern florida line map

st martin watershed

united states of america

united states of america line map

york river

york river watershed

Ecosystem: Meteorology and Climate

altocumulus clouds1_low

altocumulus clouds2_low

altostratus clouds1_low

altostratus clouds2_low

cirrocumulus clouds_low

cirrostratus clouds_low

cirrus clouds_low

cumulonimbus clouds1_low

cumulonimbus clouds2_low

cumulus clouds1_low

cumulus clouds2_low

cyclone_low

first quarter moon_low

full moon_low

hurricane_low

last quarter moon_low

new moon_low

nimbostratus clouds1_low

nimbostratus clouds2_low

rain_low

sheeting rain_low

snow_low

solar radiation_low

stratocumulus clouds1_low

stratocumulus clouds2_low

stratus clouds1_low

stratus clouds2_low

tornado_low

waning crescent moon_low

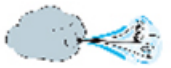
waning gibbous moon_low

water spout_low

waxing crescent moon_low

waxing gibbous moon_low

wind vector_low

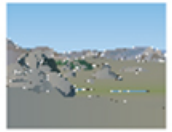

wind_low

Ecosystem: Mountains and Tundra

Caldera lake

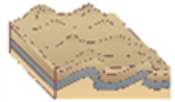
caldera lake with volcanic island

caldera with volcanic island


city of rocks nat res

eroded and upwarped plateau

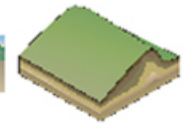
fault block


folded mountain range

glaciated mountain

glacier with braided streams and varve lake

great sand dunes


hill with geological layers

mountain range

mountain range and plain

mountain with foothills

mountains with foothills

mountains with foothills and stream

mountains with laminated lake

mountains with modified valley

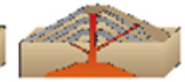
mountains with plain and water table

mountains with plain rivers and lakes

river with mountains tinajas and marsh

volcano caldera

volcano cinder cone


volcano composite

volcano dome

volcano fissure

volcano shield

Ecosystem: Other

canyon system | karstic system with cenote and coastal lagoon | mirrored watershed with mountains | river watershed with mountains and water table | watershed | watershed and coast | watershed comparison | watershed with mountains | watershed with mountains and coast | watershed with mountains and rivers1 | watershed with mountains and rivers2

Fauna: Amphibians

AmericanGreenTreeFrogLow

AmericanToadLow

AustralianGreenTreeFrogLow

DartPoisonFrogLow

FrogEggLow

FrogTadpoleExternalGillsLow

FrogTadpoleForelimbsLow

FrogTadpoleInternalGillsLow

FrogTadpoleLimbsLow

FrogTadpoleMetamorphosisLow

FrogTadpoleOperculumLow

FrogTailbudLow

FrogYoungFrogLow

NorthernGreenFrogLow

NorthernRedSalamanderLow

NorthernTwoLinedSalamanderLow

PickerelFrogLow

ShenandoahSalamanderLow

SpottedSalamanderLow

Fauna: Birds

AcadianFlycatcherLow
AmericanBlackDuckLow
AmericanOystercatcherLow
AmericanRobinLow
AtlanticBrantGooseLow
AustralianPiedCormorantLow
BaldEagleLow
BarredOwlLow
BicknellsThrushLow
BirdBoxLow
BirdNestLow
BlackCappedChickadeeLow
BlackNeckedStiltEggsLow
BlackSkimmerLow
BlackSwanLow
BlackWhiskeredVieroLow
BlackWingedStiltLow
BlueHeronLow
BobolinkLow
BrownPelicanLow
CanadaGooseLow
CassowaryLow
ChickenLow
CollaredKingfisherLow
CombCrestedJacanaLow
CowbirdLow
CowbirdNestLow
CurlewSandpiperLow
DeadBirdLow
DickcisselLow
DoubleCrestedCormorantLow
DuckLow
EmperorPenguinLow
EmuLow
EurasianWigeonLow
FieldSparrowLow
FlamingoLow
FlyingGeeseLow
GalahLow
GreaterRoadrunnerLow
KentuckyWarblerLow
KingfisherLow
LaughingKookaburraLow
LeastTernLow
LongLeggedBuzzardLow
MallardDuckLow
MangroveCuckooLow
MountainPloverLow
MuteSwan1Low
MuteSwan2Low
MuteSwan3Low
NorthernCardinalLow
NorthernSawWhetOwlLow
OstrichLow
PalauFruitDoveLow
PelicanLow
PeregrineFalconLow
PiedImperialPigeonLow
PiedOystercatcherLow
PipingPlover1Low
PipingPlover2Low
PrairieFalconLow
PrairieWarblarLow
ProthonotaryWarblarLow
RainbowLorikeetLow
RedheadedWoodpeckerLow
RedNeckedAvocet1Low
RedneckedAvocet2Low
RedneckedAvocetFlockLow
RedShoulderedHawkLow
RedWingedBlackbirdLow
RockPigeonLow
RoyalTernLow
SageGrouseLow
SandpiperLow
SavannahSparrowLow
SeagullLow
SnowyPloverLow
SpoonbillLow
SpottedOwlLow
TernLow
TropicbirdLow
TrumpeterSwanLow
WesternMeadowlarkLow

WhiteBelliedSeaEagleLow

WhiteTailedKiteLow

WhoopingCrane1Low

WhoopingCrane2Low

WoodThrushLow

YellowWarblarLow

Fauna: Cnidaria

acropora fragment_low

Acropora_low

bleached acropora1_low

bleached acropora2_low

brain coral_low

branching coral_low

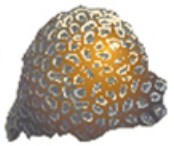
budding hydra_low

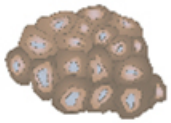
coral polyp1_low

coral polyp2_low

elkhorn coral (acropora palmata)1_low

elkhorn coral (acropora palmata)2_low


encrusting coral_low


Favia sp_low

Gorgonian sea fan_low

Gorgonian sea whip_low

Gorgonian_low

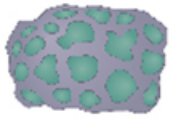
Hydra_low

Jellyfish_low

juvenile branching coral_low

lobophyllia sp_low

Moerisia (Coelenterate)_low

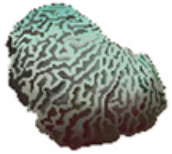

Montastrea sp_low

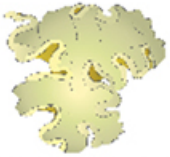
mushroom coral (fungia sp)_low

plate coral1_low

plate coral2_low

plate coral3_low


Platygyra sp_low


sarcophyton sp_low

Sea Anemone_low

soft coral1_low

soft coral2_low

staghorn (acropora cervicornis)_low

tubastrea sp coral polyp_low

tubastrea sp coral polyps_low

Fauna: Crustaceans

Acartia sp (copepod)_low

Agar river prawn (Macrobrachium ielskii)_low

Amphipod_low

barnacle closed_low

barnacle open_low

blue crab (callinectes sapidus)_low

blue crab adult_low

blue crab coupling adults_low

blue crab dorsal view male_low

blue crab egg bearing female_low

blue crab eggs_low

blue crab first crab_low

blue crab juvenile_low

blue crab megalopa1_low

blue crab megalopa2_low

blue crab ventral view (adolescent female)_low

blue crab ventral view (female)_low

blue crab ventral view (male)_low

blue crab zoea1_low

blue crab zoea2_low

burrowing mud shrimp (callianassa)_low

china fiddler crab (Uca sp)_low

copepod1_low

copepod2_low

crab zoea_low

crayfish_low

Daphnia pulex (water flea)_low

Fiddler Crab (Uca sp)_low

Florida Stone Crab (Menippe mercenaria)_low

gammarus sp_low

Hermit Crab_low

Juvenile Crustacean_low

Lobster (Homarus gammarus)_low

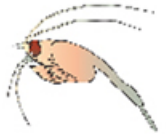
Mangrove fiddler crab (Uca annulipes and uca

Mangrove fiddler crab (Uca thaeri)_low

Mangrove tree crab (Aratus pisonii)_low

Marbled rock crab (Pachygrapsus marmoratus)_low

Mud Crab_low


Mysid_low

Nauplius_low

Oithona spp (copepod)_low

Paracalanus spp (copepod)_low

Rock Lobster_low

shrimp_low

soldier crab_low

Spotted Mangrove Crab (Goniopsis cruentata)2_low

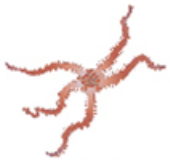
Spotted Mangrove Crab (Goniopsis cruentata)_low

Stomatopod (Mantis Shrimp)_low

Fauna: Echinoderms

Crown of Thorns (Acanthaster planci) low

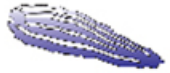
Cushion star (Pteraster tesselatus) low



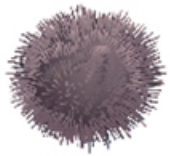
Daisy brittle star (Ophiopholis aculeata) low

Feather Star_low

Holothurian1_low



Holothurian2_low



Sea Urchin (Lytechinus variegatus) low

Sea Urchin_low

Seastar1_low

Seastar2_low

Seastar3_low

Seastar4_low

Sunflower star (Pycnopodia helianthoides low

Fauna: Fish

Alewife (Alosa pseudoharengus)_low
American Eel elver (Anguilla rostrata)_low
American Eel glass eel (Anguilla rostrata)_low
American Eel leptocephalus (Anguilla
American Eel silver (Anguilla rostrata)_low
American Eel yellow (Anguilla rostrata)_low
American Shad (Alosa sapidissima)_low
American Silver Perch (Bairdiella chrysoura)_low
Anemone Fish (Amphiprion sp)_low
Angelfish_low
Arctic cod (Arctogadus glacialis)_low
Arkansas River Shiner (Notropis girardi)_low
Atlantic cod (Gadus morhua)_low
Atlantic goliath grouper (Epinephelus
Atlantic Menhaden (Brevoortia tyrannus)_low
Atlantic Menhaden juvenile_low
Atlantic Silverside (menidia menidia)_low
Atlantic Sturgeon (Acipenser oxyrhinchus)_low
Atlantic tarpon (Megalops atlanticus)_low
Australasian snapper (Pagrus auratus)_low
Australian Bass (Macquaria novemaculeata)_lo
Balistapus undulatus (Orange-lined triggerfish)_low
Barracuda (Sphyraena sp)_low
Barramundi adult_low
Barramundi larval_low
Barramundi postlarval (juvenile)_low
Bay Anchovy (Anchoa mitchilli)_low
Bay Anchovy juvenile_low
Black Bream_low
Black Seabass (Centropristis striata)_low
Blacktip reef shark (Carcharhinus melanopterus)_low
Blueback herring (Alosa aestivalis)_low
Bluefish (Pomatomus saltatrix)_low
Bream_low
Brown Trout (Salmo trutta)_low
Brown-marbled grouper (Epinephelus
Bull Shark_low
Bull Trout (Salvelinus confluentus)_low
Butterfly Fish_low
Cabezon (Scorpaenichthys marmaratus)_low
California halibut (Paralichtys californicus)_low
Carp_low
Chain pickerel (Esox niger)_low
Chimaera (Hydrolagus sp)_low
Clownfish (Amphiprion sp)_low
Cobbler_low
Coho salmon (Oncorhynchus kisutch)_parr_low
Common snook (Centropomus undecimalis)_low
Common Two-Banded Seabream (Diplodus
Coral Trout (Plectropomus leopardus)_low
Coral Trout (Plectropomus sp)_low
Coris julis_low
Cow Bream (Sarpa salpa)_low
Cownose Ray (Rhinoptera bonasus)_low
Croaker_low
Damselfish (Chromis chromis)_low
Darkblotched rockfish (Sebastes crameri)_low
Eel (Anguilla rostrata)_low
Eel Tailed Catfish (Tandanus tandanus)_low
Elephant Fish_low
European plaice (Pleuronectes platessa)_low
Feather Blenny (Hypsoblennius hentzi)_low
Fish school_low
Flathead_low
Flying Fish (Cheilopogon sp)_low
Fork Tailed Catfish (Arius graeffi)_low
Garfish_low
Goby_low
Gopher Rockfish (Sebastes carnatus)_low
Gray snapper (Lutjanus griseus)_low
Hammerhead shark_low
Hickory shad (Alosa mediocris)_low
Highfin Coral Grouper (Plectropomus
Hogchoker (Trinectes maculatus)_low
Humphead wrasse (Cheilinus undulatus)_low
Ladyfish (Elops saurus)_low
Largemouth bass (Micropterus salmoides)_low
Leafy Sea Dragon (Phycodurus sp)_low
Lungfish (Neoceratodus forsteri)_low
Mackerel_low
Mangrove killifish (Rivulus marmoratus)_low
Manta Ray (Manta birostris)_low
Marlin (Makaira sp)_low
Mediterranean Rainbow Wrasse (Coris julis)_low

Morish Idol (Zanclus cornutus)_low

Mudskipper_low

Mummichog female (Fundulus heteroclius) low

Mummichog male (Fundulus heteroclius) low

Naked Goby (Gobiosoma bosci) low

Northern Puffer (Sphoeroides maculatus) low

Northern redbelly dace (Phoxinus eos) low

Northern Searobin (Prionotus carolinus) low

Nurse Shark (Ginglymostoma cirratum) low

Ocean sunfish (Mola mola)_low

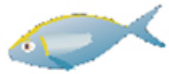
Oyster Toadfish (Opsanus tau)_low

Pallid sturgeon (Scaphirhynchus albus) low

Parrotfish (Family Scaridae)_low

Plectorhinchus polytaenia (Ribboned

Purple Spotted Gudgeon (Mogurnda sp) low


Rabbitfish (Siganus sp)_low

Rainbow Trout (Oncorhynchus mykiss) low

Rainwater killifish (Lucania parva)_low

Red Drum (Sciaenops ocellatus) low

Red Emperor_low

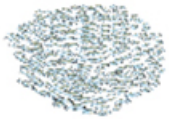
Red lionfish (pterois volitans)_low

River Chub (Nocomis micropogon) low

Sacramento pikeminnow (Ptychocheilus

Sandbar Shark (Carcharhinus plumbeus) low

Saw Shark_low


School of fish_low

Seahorse (Hippocampus sp) low

Serranus cabrilla_low

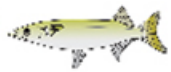
Serranus scriba_low

Shark1_low

Shark2_low

Silver Perch_low

Skillet Fish (Gobiesox strumosus) low


Snub Nosed Garfish (Arrhampus sclerops) low

Snub-nosed Garfish (Arrhamphus sclerolepis) low

Southern Stingray (Dasyatis americana) low

Spangled Perch (Leiopotherapon unicolor) low

Spot croaker (Leiostomus xanthurus) low

Spotted Hake (Urophycis regia) low

Spotted Handfish (Brachionichthys hirsutus) low

Spotted Mackerel (Scomberomorus munroi) low

Spotted Seatrout (Cynoscion nebulosus)2 low

Spotted Seatrout (Cynoscion nebulosus) low

Squaretail coralgrouper (Plectropomus

Stiped Bass egg_low

Striped Bass adult (Morone saxatilis) low

Striped Bass feeding larvae_low

Striped Bass juvenile_low

Striped Bass yolk-sac larvae_low

Striped Blenny (Chasmodes bosquianus) low

Striped Mojarra (Diapterus plumieri) low

Summer Flounder (Paralichthys dentatus) low

Summer Flounder juvenile (Paralichthys

Summer Flounder larval (Paralichthys dentatus) low

Sword Fish (Xiphias gladius)_low

Symphodus rostratus_low

Tailor_low

Tilapia (Oreochromis mossambicus)_low

Trevally_low

Vermillion seabass (Cephalopholis miniata) low

Warpaint Shiner (Luxilus coccogenis) low

Weakfish (Cynoscion regalis) low

Whale Shark_low

White Perch_low

White trevally (Pseudocaranx dentex) low

Whitetip reef shark (Triaenodon obesus) low

Whiting_low

Wobbegong_low

Yellow perch (Perca flavescens)_low

Yellowtail Flounder (Limanda ferruginea) low

Zeus faber_low

Fauna: Insects and Arachnids

(Ornithoptera priamus)_low

Ant_low

Bee_low

Beetle_low

Boll weevil (Anthonomus grandis)_low

Caddisfly adult_low

Caddisfly larva (Trichoptera taxa)_low

Caddisfly larva in case_low

Caterpillar1_low

caterpillar2_low

Centipede_low

Dragonfly adult_low

Dragonfly nymph_low

Eastern Tiger Swallowtail Butterfly (Papilio

Fire Ant (Solenopsis invicta)_low

Firefly_low

Fly_low

Fossil bee_low

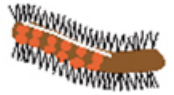
Fossil moth_low

Giant Sand Treader Camel Cricket (Daihinibaenetes

Golden loosestrife beetle (Galerucella pusilla)_low

Grasshopper_low

Gypsy Moth (Lymantria dispar)_low


Gypsy Moth Caterpillar_low

House dust mite (Dermatophagoides pteronyssinus)_low

Ladybird Beetle (Coccinella transversalis)_low

Luna Moth (Actias luna)_low

Mayfly adult_low

Mayfly larva_low

Mite (Eotetranychus sexmaculatus)_low

Monarch Butterfly (Danaus plexippus)_low

Mosquito (Family Culicidae)1_low

Mosquito (Family Culicidae)2_low

Mountain pine beetle (Dendroctonus

Pine bark beetle_low

Preying Mantis_low

Reback Spider (Latrodectus hasselti)_low

Red Ant_low

Scorpion_low

Spider Web_low

Stonefly adult_low

Stonefly larva (Plecoptera taxa)_low

Tiger beetle (Cicindela theatina)_low

Ulysses Butterfly (Papilio ulysses)

Fauna: Mammals

SwiftFoxLow

TownsendsBigEaredBatLow

WalrusLow

WhiteTailedDeerBuckLow

WhiteTailedDeerDoeLow

WhiteTailedDeerFawnLow

Fauna: Molluscs

Bittium_low

Button snail (Umbonium vestiarum)_low

Chiton_low

Clam_low

Flat tree oyster (Isognomon alatus)_low

Fossil nautilus_low

Giant Clam (Tridacna sp)_low

Giant Squid_low

Hard Clam (Mercenaria mercenaria)_low

Limpet_low

Mangrove periwinkle (Littoraria sp)_low

Mussels_low

Nudibranch (Chromodoris coi)_low

Nudibranch_low

Octopus vulgaris_low

Octopus_low

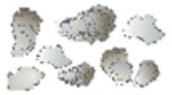
Oxynoe olivacea_low

Oyster1_low

Oyster2_low

Oyster 2D oyster reef_low

Oyster 3D oyster reef_low


Oyster buried shell_low

Oyster dead shell_low

Oyster disease transmission_low

Oyster Drill (Urosalpinx cinerea)_low

Oyster larvae_low

Oyster Rack_low

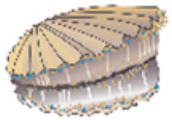
Oyster Reef_low

Oyster shell bag_low

Oyster spat on shell_low

Pen shell (Pinna nobilis)_low

Razor Clam_low


Scallop (Argopecten irradians)_low

Scallop_low

Snail_low

Squid_low

Surf Clam_low

Trochus sea snail_low

Verrilli's Hermit Crab (Calcinus verrilli)_low

Zebra Mussel_low

Fauna: Other

Ascidian_low

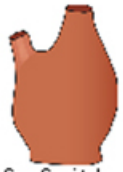
Bryozoan Colony_low

Ctenophore_low

Doliolid_low

Fossil Trilobite_low

Horsehoe crab_low


Sea Squirt_low

Sponge_low

Springtail_low

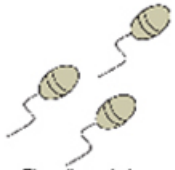
Fauna: Protozoans

Actinophrys sol (amoeba)_low

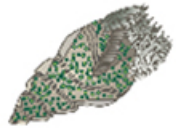
Chaos diffluens (amoeba)_low

Didinium gargantua (ciliate)_low

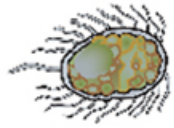
Didinium nasutum (ciliate)_low


Flagellates1_low

Flagellates2_low


Laboea strobila (ciliate)_low

Paramecium aurelia (ciliate)_low


Scuticociliate (ciliate)_low

Strombidium (ciliate)_low

Tintinnid (ciliate)_low

Fauna: Reptiles

American alligator (Alligator mississippiensis) low

American crocodile (Crocodylus acutus) low

American five-lined skink (Eumeces fasciatus) low

Anaconda_low

Arizona black rattlesname (Crotalus viridis

Crocodile (crocodylus sp)_low

Diamondback Terrapin (Malaclemys

Flatback sea turtle (Natator depressus) low

Flatback sea turtle hatchling (Natator depressus) low

Giant Tortoise (Geochelone sp) low

Giant Tortoise_low

Hawksbill turtle (Eretmochelys imbricata) low

Hawksbill turtle hatchling (Eretmochelys

Iguana_low

Kemps ridley turtle (Lepidochelys kempii) low

Kemps ridley turtle hatchling (Lepidochelys

Leatherback turtle (Dermochelys coriacea) low

Leatherback turtle hatchling (Dermochelys

Lizard_low

Loggerhead turtle (caretta caretta)_low

Loggerhead turtle hatchling (caretta caretta) low

Mangrove water snake (Nerodia fasciata

Oblong Turtle (Chelodina oblonga) low

Olive ridley turtle (Lepidochelys olivacea) low

Olive ridley turtle hatchling (Lepidochelys

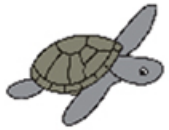
Ornate diamondback terrapin (Malaclemys

Painted turtle (Chrysemys picta) low

Rattle snake_low

Sea Snake_low

Snapping turtle (Chelydra serpentina) low


Turtle 1_low

Turtle 2_low

Turtle eggs_low

Fauna: Worms

Christmas tree worms (Spirobranchus

Christmas tree worms (Spirobranchus

Divided Flatworm (Pseudoceros dimidiatus)_low

Featherduster Worm_low

Flat worm (Stylochus ellipticus)_low

Flatworm_low

Garden snail (Helix aspersa)_low

Gordian worm_low

Horsehair worm (Gordius sp)_low

Polychaete1_low

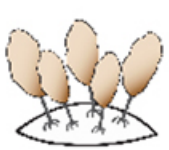
Polychaete2_low

Roundworm (Ascaris sp)_low

Segmented worm_low

Worms_low

Flora: Macroalgae


Arctic Kelp (brown macroalgae)_low

Asparagopsis (red macroalgae)_low

Catanella (red macroalgae)_low

Caulerpa filiformis_low

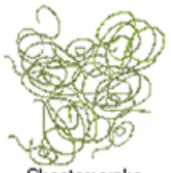
Caulerpa racemosa1 (green macroalgae)_low

Caulerpa racemosa2 (green macroalgae)_low

Caulerpa taxifolia_low

Chaetomorpha linum_low

Chaetomorpha sp (microscopic view)_low


Chaetomorpha sp_low

Chlorodesmis (green macroalgae)_low

Chondrus crispus_low

Codium fragile_low

Colpomenia sp_low

Cryptopleura ramosa_low

Cystoseira compressa_low

Dictyota dichotoma_low

Ecklonia radiata (brown macroalgae)_low

Enteromorpha intestinalis_low

Epilithic Algae_low

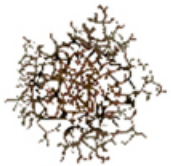
Generic green macroalgae_low

Generic red macroalgae_low

Giant Kelp (Macrocystis pyrifera)1_low

Giant Kelp (Macrocystis pyrifera)2_low

Giant Kelp (Macrocystis pyrifera)3_low


Gracilaria_low

Halimeda (green macroalgae)_low

Hypnea musciformis_low

Laminaria sp_low

Laurencia (red macroalgae)_low

Laurencia obtusa_low

Neptune's necklace (Hormosira banksii)_low

Padina (brown macroalgae)_low

Sarcothalia stiriata (asexual)_low

Sargassum (brown macroalgae)_low

Splachnidium rugosum_low

Turf Algae_low

Ulva 1(green macroalgae)_low

Ulva 2(green macroalgae)_low

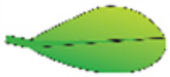
Ulva 3(green macroalgae)_low

Undaria pinnatifida (Wakame)_low

Flora: Mangroves

Aegiceras corniculatum flower low

Aegiceras corniculatum fruit low


Aegiceras corniculatum leaf low

Aegiceras corniculatum_low

Avicennia germinans (Black Mangrove) low

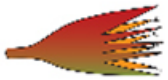
Avicennia marina albino_low

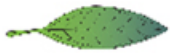
Avicennia marina flower_low

Avicennia marina fruit_low

Avicennia marina leaf_low

Avicennia marina_low


Bruguiera gymnorrhiza flower low


Bruguiera gymnorrhiza leaf low

Bruguiera gymnorrhiza mature hypocotyl low

Bruguiera gymnorrhiza_low

Ceriops australis flower_low

Ceriops australis leaf_low

Ceriops australis mature hypocotyl low

Ceriops australis_low

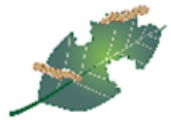
Dead Avecennia_low

Dead Rhizophora_low

Effects Direct Damage_low

Effects Ecotone shift_low

Effects Gains_low


Effects Insect attack_low

Effects Losses_low

Effects Nutrient excess_low

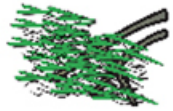
Effects Oil spill_low

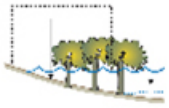
Effects Reclamation_low

Effects Restricted tidal exchange_low

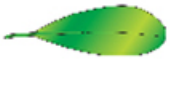
Effects Species specific_low

Effects Storm damage_low


Effects Wrack accumulation_low


Effects Zonal shift_low

Excoecaria agallocha female flower low


Excoecaria agallocha leaf_low

Excoecaria agallocha male flower low

Excoecaria agallocha seed capsule low

Excoecaria agallocha_low

Lumnitzera racemosa flower low

Lumnitzera racemosa fruit1_low

Lumnitzera racemosa fruit2_low

Lumnitzera racemosa leaf_low

Lumnitzera racemosa_low

Mangrove growth_low

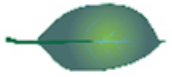
Rhizophora mangle (Red Mangrove) low

Rhizophora mangle seedling_low

Rhizophora mucronata_low

Rhizophora stylosa flower_low

Rhizophora stylosa fruit_low


Rhizophora stylosa leaf_low

Rhizophora stylosa propagule_low

Rhizophora stylosa_low

Flora: Marsh and Wetlands

Cladium procerum (Leafy twig-sedge)_low

Eleocharis dulcis (Bulkuru) with tuber_low

Fimbristylis dichotoma (Tall fringe-rush)_low

Impatiens capensis (Spotted Jewelweed)_low

Kosteletzkya virginica (Seashore mallow)2_low

Kosteletzkya virginica (Seashore mallow)_low

Lepironia articulata (Blue rush)_low

Miscanthus sinensis_low

Oryza sp_low

Phragmites australis detailed_low

Phragmites australis singular_low

Phragmites australis_low

Reeds_low

Sarcocornia sp (Samphire)_low

Scirpus sp (Bulrush)_low

Sirpus americanus_low

Spartina alterniflora group_low

Spartina alterniflora_low

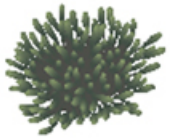
Spartina patens_low

Spartina sp (Salt Marsh Grass)_low

Spike Rush - Eleocharis sp_low

Sporobolus_low

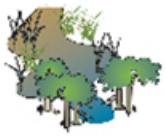
Suaeda australis_low


Tecticornia flabelliformis (Bead samphire)_low

Tecticornia sp (Samphire)_low

Typha orientalis (Bullrush)_low

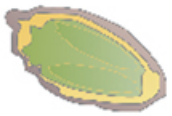
Typha sp (Cattail)_low


Wetland_low

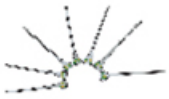
Zizania sp (Wild Rice)_low

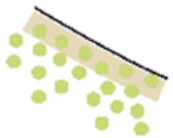
Flora: Microalgae

Akashiwo sanguinea (dinoflagellate)_low

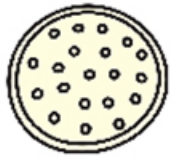

Amphidinium crassum (dinoflagellate)_low

Amphidinium operculatum (dinoflagellate)_low


Asterionellopsis glacialis (diatom)_low

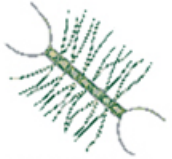

Benthic Microalgae1_low

Benthic Microalgae2_low

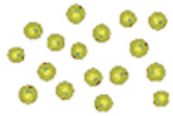

Centric Diatom_low

Ceratium furca (dinoflagellate)_low

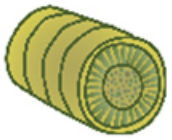
Ceratium sp (dinoflagellate)_low


Chaetoceros affinis (diatom)_low

Chattonella sp_low


Chlamydomonas (chlorophyte)_low

Coccolithophore_low


Cyclotella (diatom)_low

Cyclotella (single diatom)_low

Diatoms_low

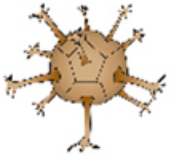
Dinoflagellate1_low

Dinoflagellate2_low

Dinoflagellate3_low

Dinoflagellate cyst1_low

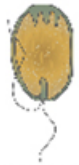
Dinoflagellate cyst2_low


Dinoflagellate cyst3_low

Dinoflagellate with flagella_low

Dinoflagellates_low

Dinophysis acuminata (dinoflagellate)_low


Fibrocapsa japonica (raphidophyte)_low

Gymnodinium catenatum (dinoflagellate)_low

Karlodinium micrum (dinoflagellate)_low

Mixed Phytoplankton Community BW_low

Mixed Phytoplankton Community

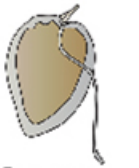
Pennate Diatom1_low

Pennate Diatom2_low

Pfiesteria piscicida (dinoflagellate)_low

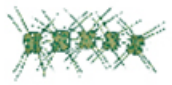
Pfiesteria shumwayae (dinoflagellate)_low

Phytoplankton Bloom_low


Prorocentrum micans (dinoflagellate)_low

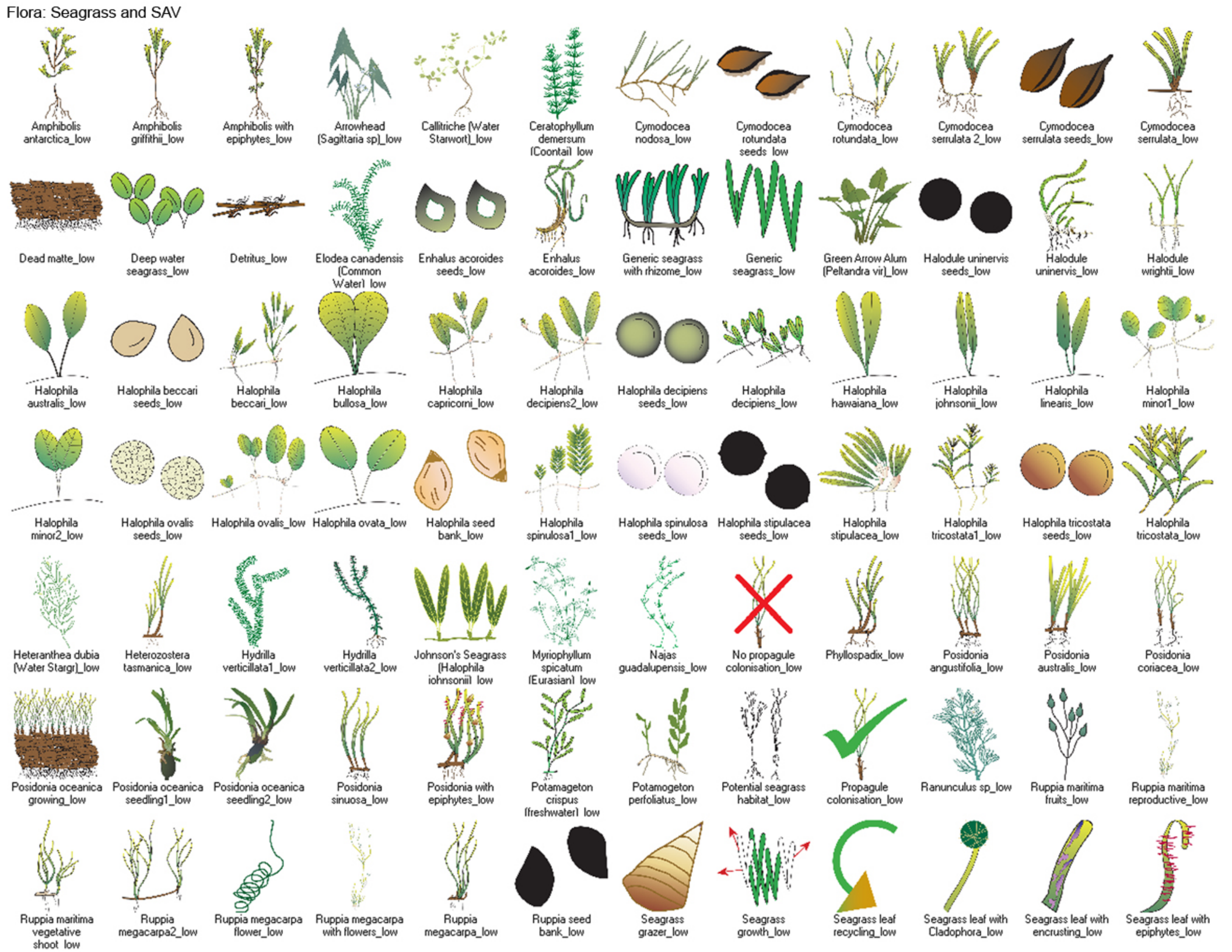
Prorocentrum minimum (dinoflagellate)_low

Pseudo-nitzschia australis (diatom)_low

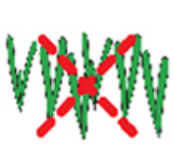

Thalassiosira nordenskioeldii (diatom)_low

Thalassiothrix nitzschioides (diatom)_low

Flora: Seagrass and SAV



Seagrass loss_low


Seagrass loss-recovery_low

Shallow water seagrass_low

Star Grass (Halophila engelmannii) low

Stuckenia pectinata_low

Syringodium filiforme_low

Syringodium isoetifolium2_low

Syringodium isoetifolium seeds low

Syringodium isoetifolium_low

Thalassia hemprichii1_low

Thalassia hemprichii seeds_low

Thalassia hemprichii_low

Thalassia testudinum_low

Thalassodendron ciliatum1_low

Thalassodendron ciliatum_low

Thalassodendron pachyrhizon_low

Vallisneria americana_low

Water Chestnut (Trapa natans)_low

Water clover (Marsilea sp)_low

Water Lily1_low

Water Lily2_low

Water Lily3_low

Water Lily4_low

Yellow Waterlily (Nuphar sp)_low

Zannichellia palustris_low

Zostera asiatica_low

Zostera caespitosa_low

Zostera capensis_low

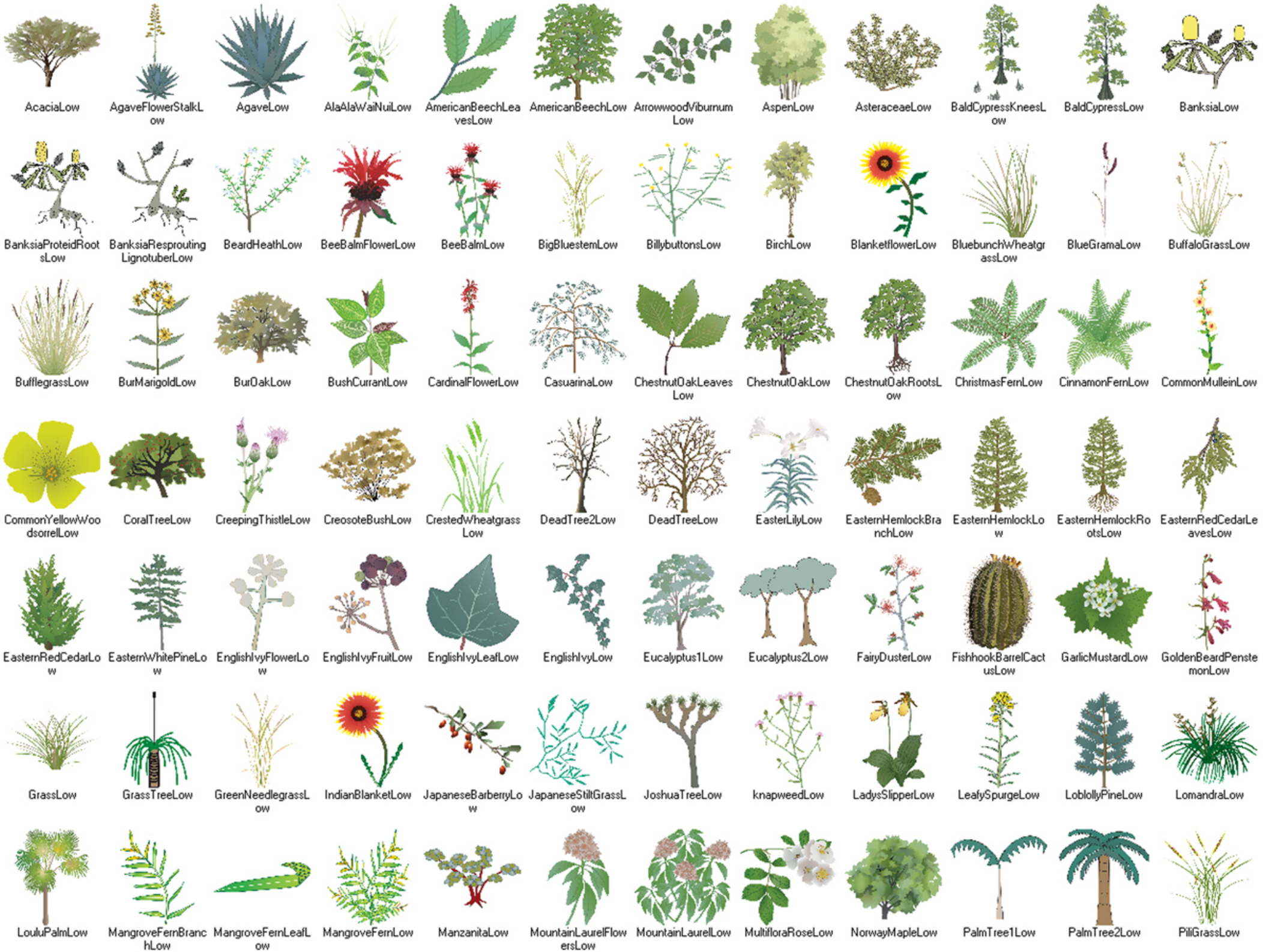
Zostera capricornii seeds_low

Zostera capricornii_low

Zostera noltii_low

Zostera seed bank_low

Flora: Shrubs and Trees



PineTreeLow

PisoniaLow

PoisonIvyLeafLow

PoisonIvyLow

PonderosaPineLow

PrairieCordgrassLow

PuaPiloLow

PurpleConeflowerLow

PurpleLoosestrifeLow

QuilembayLow

RedMaple1Low

RedMaple2Low

RedMapleLeafLow

RiverRedGumLow

RussianOliveLeavesLow

RussianOliveLow

SaguaroCactusLow

SaltwaterPaperbarkDyingLow

ShagbarkHickoryFruitLow

ShagbarkHickoryLeavesLow

ShagbarkHickoryLow

SideFallaxLow

SilverBuffaloBerryLow

SlenderSpiderflowerLow

SouthernRedOakLow

SpicebushLow

SwampPaperbarkLow

SweetbayMagnoliaLow

SweetgumLow

SwitchgrassLow

SycamoreLow

TiTreeLeavesLow

TiTreeLow

TulipPoplarLow

VirginiaPineLow

WattleLow

WeepingWillowLow

WesternWheatgrassLow

WhiteOakLeavesLow

WhiteOakLow

WhiteSpruceLow

WhiteTurtleheadLow

WillowShrubLow

YellowStarthistleLow

YuccaLow

Human: Climate Change

Global Warming_low

Sea-level rise_low

Human: Culture and Archaeology

Archaeologist female_low

Archaeologist male_low

Archaeology site_low

Axe blade_low

Bai Hut_low

Bead1_low

Bead2_low

Bead3_low

Bead4_low

Bead5_low

Bead6_low

Bead7_low

Brigantine_low

Broken pot_low

Cave explorer_low

Christian missionaries_low

DC Capitol building_low

DC Washington Monument_low

Dreamcatcher_low

Feather_low

Fort Union_low

Gleaning basket_low

Halau_low

Heiau_low

Ki'i_low

Monument_low

Outhouse on stilts_low

Palau Storyboard1_low

palau Storyboard2_low

Palau Storyboard3_low

Palau Storyboard4_low

Palau Storyboard5_low

Petroglyph_low

Plains Indian Tipi_low

Pyramid1_low

Pyramid2_low

Shipwreck_low

Step pyramid1_low

Step pyramid2_low

Sydney Opera House_low

Teepee_low

Totem pole_low

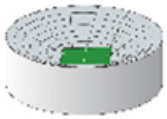
Trading keelboat_low

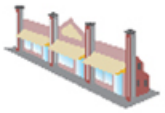
West Papua house_low

Human: Development

Septic system2_low

Septic system_low


Stadium_low


Strip mall_low

Swing set_low

Sydney Harbour Bridge_low

University_low

Urban Park_low

Urban sprawl_low

Waste disposal_low

Waste Water Treatment Plant1 low

Waste Water Treatment Plant2 low

Water Pipe1_low

Water Pipe2_low

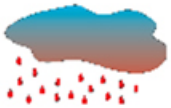
Water Tower_low

Wind turbine_low

Human: Education

Education boat (Indonesia)_low

Human: Environmental Degradation


Acid rain_low

Air quality high_low

Air quality low_low

Air quality medium_low

Landfill_low

Oil Spill_low

Old bottle_low

Old tires_low

Plastic bag_low

Pop bottle_low

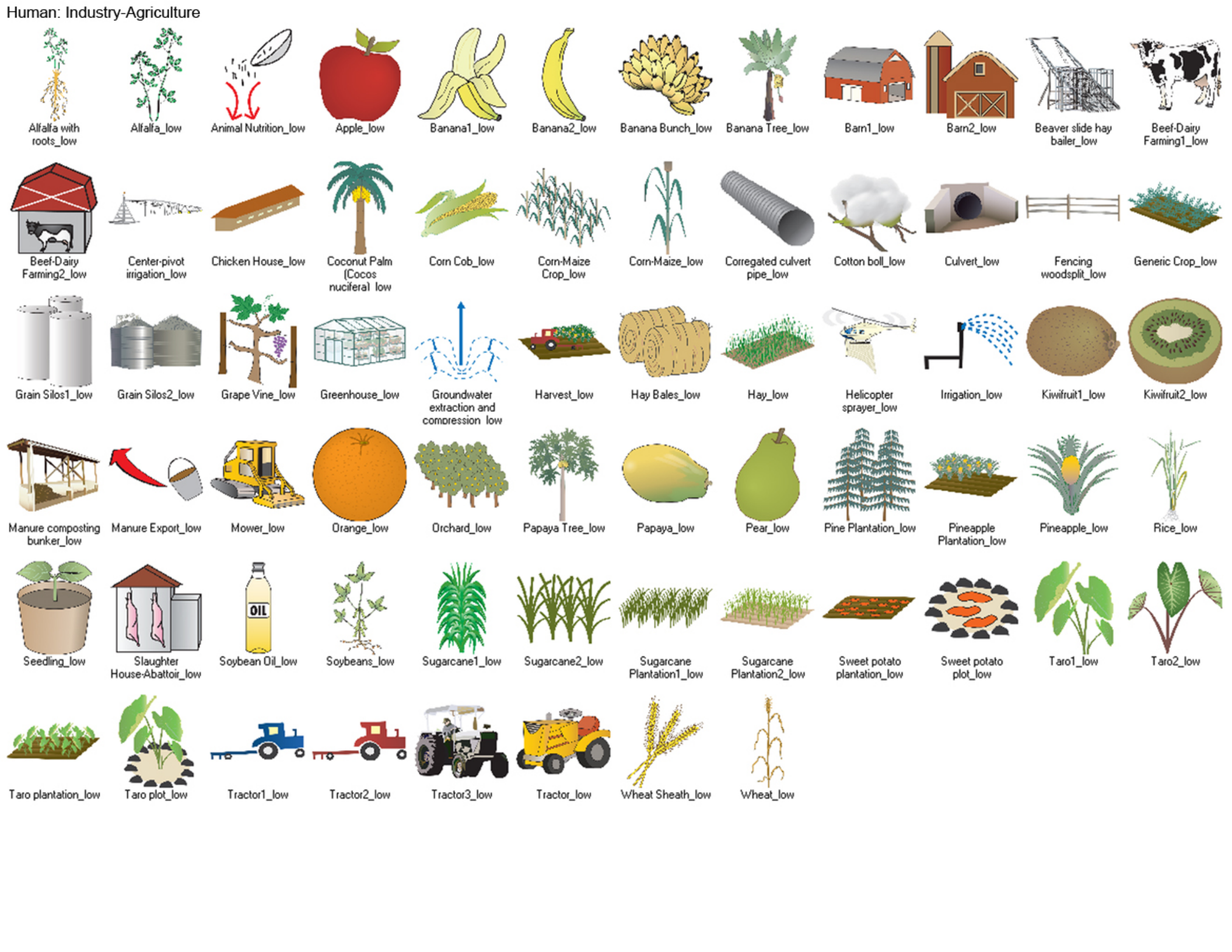
Pop can_low

Receding shoreline_low

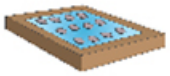
Roadside trash_low

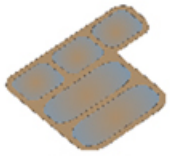
Rusty drum_low

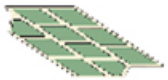
Human: Industry-Agriculture

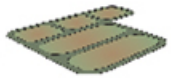


Human: Industry-Aquaculture


Abalone farming_low

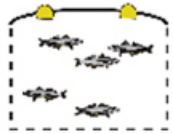

Aquaculture ponds1_low

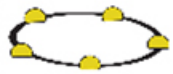

Aquaculture ponds2_low


Aquaculture ponds3_low

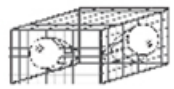
Dema basket_low

Dema fisher_low

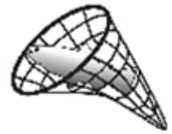

Fish Cages1_low

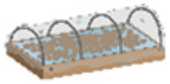

Fish Cages2_low

Fish Ladder_low

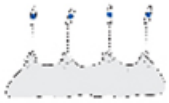

Fish Trap_low

Fisheries Crustacean_low


Fisheries Fin_low


Hard clam aquaculture pen_low

Oyster Farming1_low


Oyster Farming2_low

Oyster Racks_low

Pearl farm hut_low

Seaweed farm_low

Seaweed farmer1_low

Seaweed farmer2_low

Human: Industry-Fishing

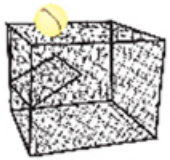
Bamboo hand spear_low

Bamboo speargun_low

Chicken necking_low

Clammer_low

Crab boat_low


Crab Pot_low

Crab scraping_low

Cyanide fishing boat_low

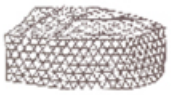
Cyanide squeeze bottle_low

Dynamite fishing Explosion_low

Dynamite fishing Molotov cocktail low

Dynamite fishing_low

Fish aggregating device_low


Fish trap_low

Fly fishing lure_low

Ghost net_low

Indonesian zone marker_low

Liftback net_low

Longline tuna boat_low

Net Fisher_low

Net Fishers with 6 crew_low

Net Fishers_low

Prawn Trawler_low

Reef fishing hut_low

Seasonal closure1_low

Seining_low

Skipjack_low

Trap Fishers_low

Trawler1_low

Trawler2_low

Trotlining_low

Waterman_low

Human: Industry-Forestry

Logging1_low

Logging2_low

Logging3_low

Logging4_low

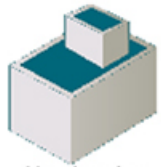
Human: Industry-Manufacturing and Refining

Asphalt plant_low

Industry1_low

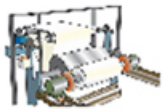
Industry2_low

Manufacturing Factory building1_low


Manufacturing Factory building2_low

Manufacturing Factory building3_low

Manufacturing Factory building4_low


Manufacturing Paper mill_low

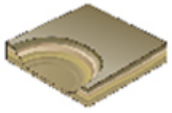
Petroleum Industry Oil Refinery_low

Human: Industry-Mining

Dredge1_low

Dredge2_low

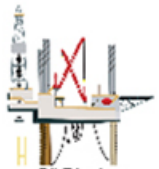
Dredge3_low



Mining open cut mine_low

Mining Quarry_low

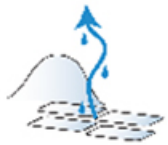
Mining_low



Oil Rig_low

Petroleum Industry Oil Rig1_low

Petroleum Industry Oil Rig2_low



Saltworks_low

Human: Industry-Services

Fire and Rescue Fire engine_low

Fire and Rescue Fire station_low

Fire management crew member with drip torch low

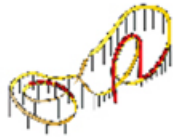
Hospitality Casino_low

Hospitality Cruise ship_low

Hospitality Eco-resort_low

Hospitality Ferris wheel_low

Hospitality Liveaboard dive boat low


Hospitality Roller coaster_low

Hospitality Seafood restaurant_low

Hospitality Visitor center_low

Retail Downtown shopping area_low

Retail Fish market_low

Wildlife rehabilitation center_low

Human: Management and Restoration

Anchor damage management_low

Archaeological site management_low

Avalanche control_low

Backcountry management_low

Bioindicators_low

Blue crab management_low

Coastal zone management_low

Defence force lands_low

Economic indicators_low

El Nino Southern Oscillation management_low

Exotic plant management_low

Fire management2_low

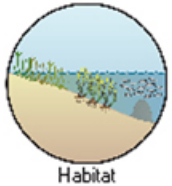
Fire management_low

First Nations management (Canada)_low

Fisheries management_low

Fishing moratorium_low

Forestry management_low

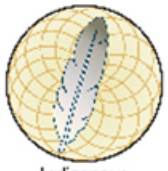

Habitat management_low

Human access management_low

Immigration control_low

Indigenous management (Australia)_low

Indigenous management (Kuna Panama)_low


Indigenous management (Native American

Indigenous management (New Zealand)_low

International obligationa and treaties_low

Introduced species management_low

Kyoto Protocol_low

Linking science and management_low

Marsh restoration_low

No take zone_low

Oyster restoration_low

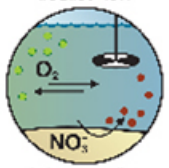
Poorly understood systems_low

Port authorities_low

Regional level initiatives_low

Seagrass restoration_low

State level planning initiatives_low

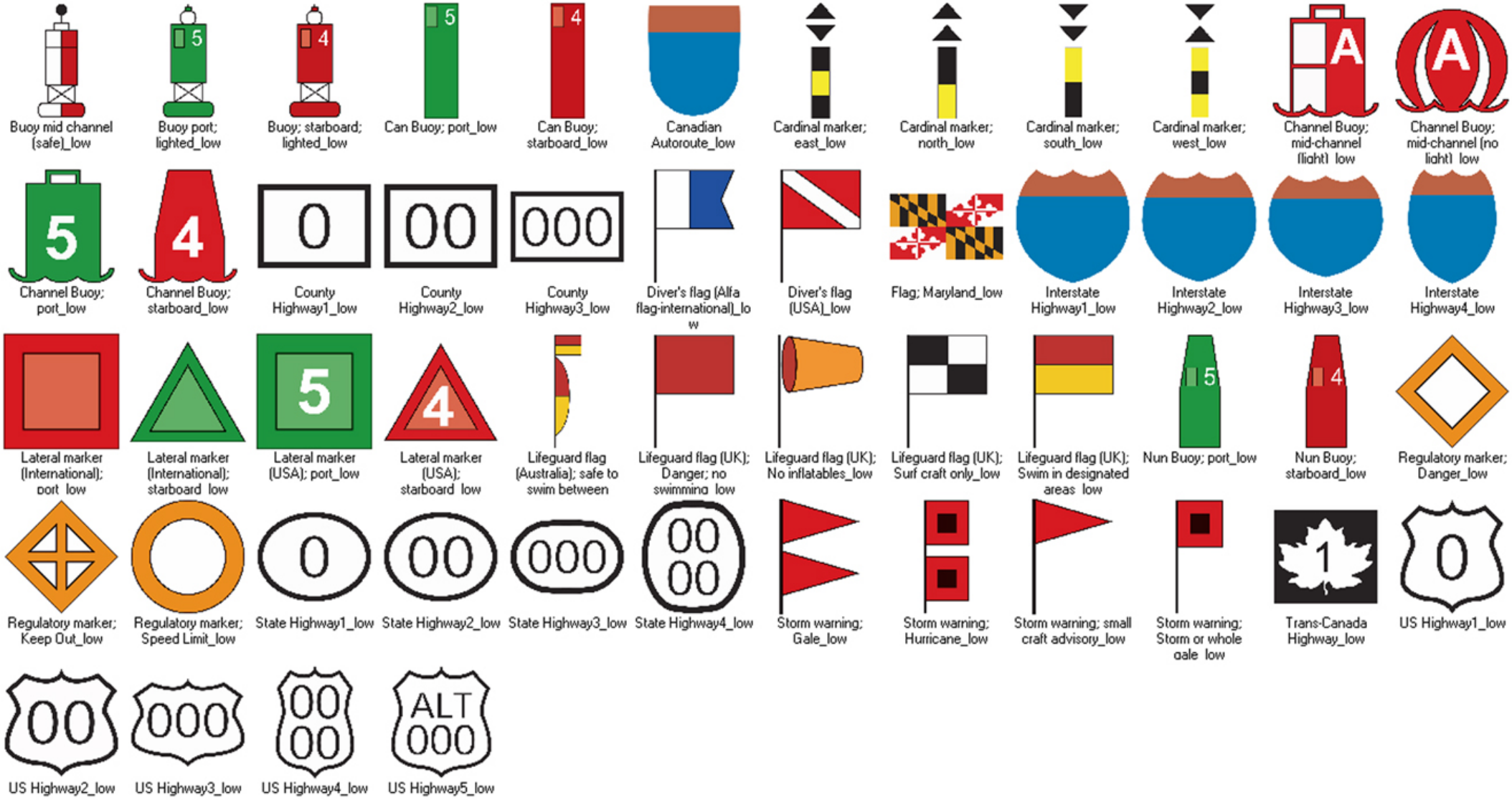


Water quality management_low

Water resource management_low

Watershed management_low

Human: Mapping and Navigation



Human: Other

Alarm Clock_low

Anchor_low

Balance1_low

Balance2_low

Book_low

Bookcase_low

Boots_low

Bricks_low

Bucket_low

Camping Lantern_low

Chisel_low

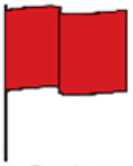
Climbing and caving helmet with headlamp_low

Coffee Cup_low

Coil of rope_low

Cooler_low

Drip Torch_low


Flag_low

Hand pruners_low

Internet_low

Ladder_low

Magnifying Glass_low

Mason jar_low

Medical caduceus_low

Mooring_low

Ointment_low

Playing cards_low

Portable generator_low

Rifle_low

Scissors_low

Sleeping bag_low

Spade_low

Spray bottle_low

Tape measure_low

University_low

Wooden sign_low

Human: Recreation

ATV with rider_low

Birdwatcher_low

Boston Whaler_low

Camp fire_low

Camper_low

Camping_low

Canoe_low

Fisher_low

Fishing_low

Golf Course_low

Golfer_low

Hot air balloon1_low

Hot air balloon2_low

Houseboat_low

Hunter_low

Jet Ski_low

Kayaking_low

Little blue dune buggy_low

Mountain Biking_low

Outrigger_low

Picnic Area_low

Powerboat; Sportfisher_low

Racing speed boat_low

Rock Climbing_low

Rowing_low

Sailboat1_low

Sailboat2_low

Sailboat3_low

Sailboat4_low

SCUBA diver_low

Shore Fishing_low

Skiing_low

Snowmobile with rider_low

Sunbathing_low

Surfing_low

Swimmer_low

Swimming; child_low

Tent1_low

Trail Biking_low

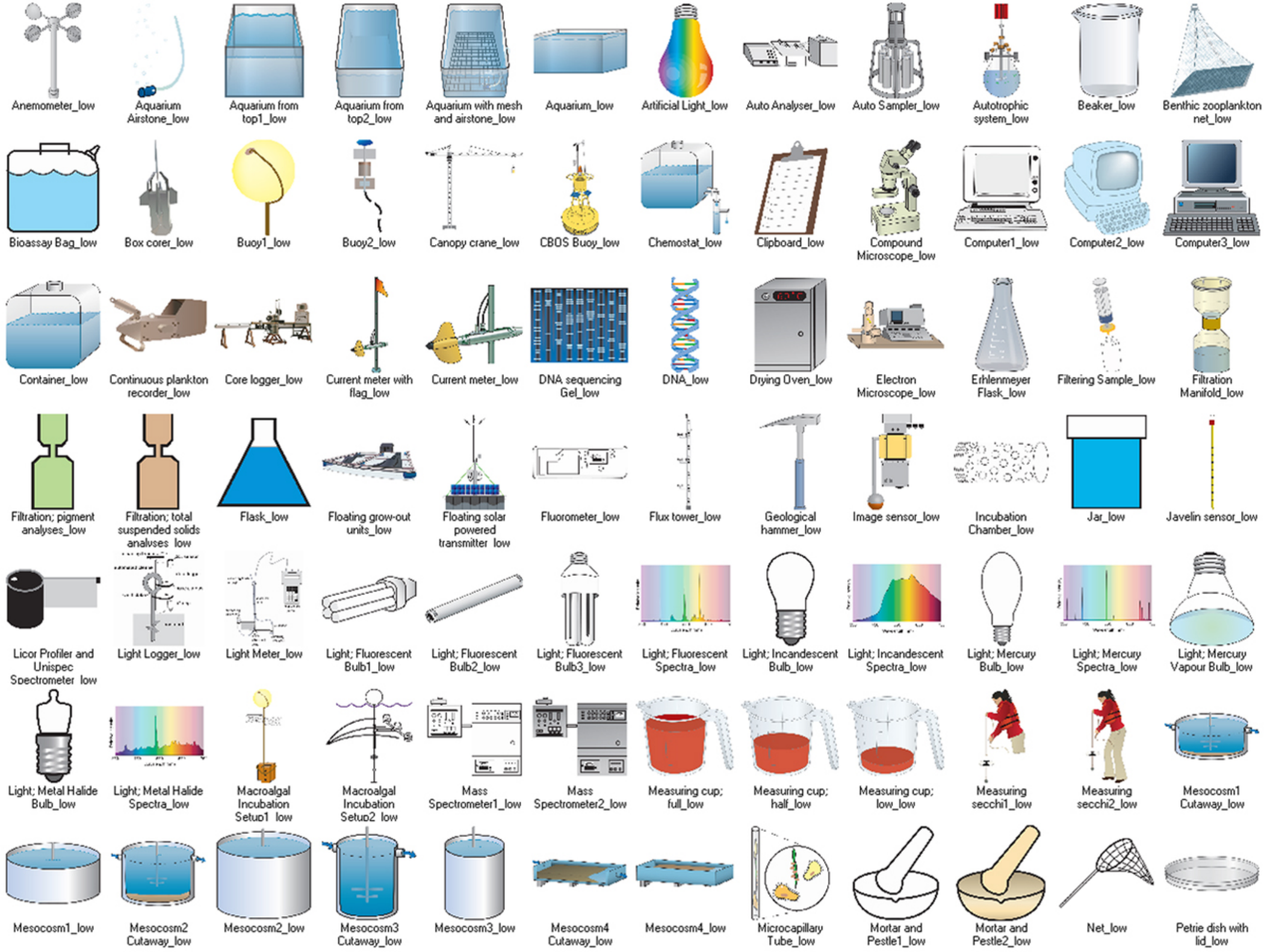
Tubing_low

Water Skiing_low

Wind Surfing1_low

Wind Surfing2_low

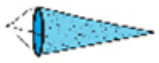
Human: Science and Research



Petrie dish_low

Piezometer_low

Piling with solar powered light_low


Plankton Net_low

Portable Sub-Bottom Profiling System (SB-216S) low

Radioactive Thymidine_low

Radiometer_low

Ramses Spectrometer2x_low

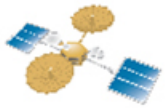
Ramses Spectrometer_low

Research vessel1_low

Research vessel2_low

Rotary sonar tripod_low

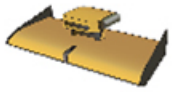
Satellite1_low


Satellite2_low

Satellite3_low

Satellite4_low

Satellite Dish_low


Scanfish_low

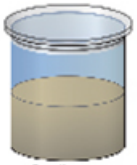
Scientist1_low

Scientist2_low

Secchi Disc_low

Sediment and Water Core_low

Sediment grab_low


Sediment Incubator_low

Sediment trap_low

Solar panel_low

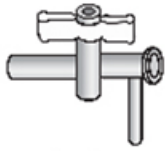
Solar panels_low

Spectrophotometer_ low

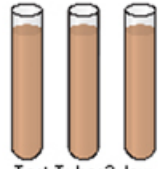
Submersible glider; thermally powered low

Syringe; cutoff_low

Syringe_low


Tap_low

Test Tubes1_low


Test Tubes2_low

Tower receiver_low

Tsunami sensor and transmitting buoy low

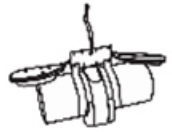
Turtle egg relocation box_low

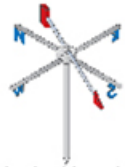
Turtle nest anti-predator cage low

Undersea habitat_low

VIMS Fetch underwater autonomous

Warning buoy_low


Water Sampler_low

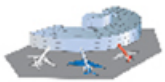

Weather Vane_low

Human: Transport

Airplane1_low

Airplane2_low

Airport1_low


Airport2_low

Airport Terminal_low

Armored tank_low

Cargo Ship1_low

Cargo Ship2_low

Cargo Ship3_low

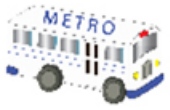
Dinghy_low

Freight train_low

Gondola_low

Helicopter_low

Indonesian ferry_low



Metro bus_low

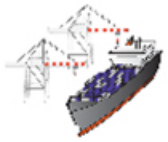
Motorcycle with one rider_low

Motorcycle with two riders_low

Motorcycle_low

Naval destroyer_low

Ngalawa-traditional Swahili boat_low


Port1_low

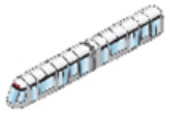
Port2_low

Port Crane_low

Powerboat_low

School bus_low

Semi-trailer truck_low


Train_low

Vehicle1_low

Vehicle2_low

Vehicle3_low

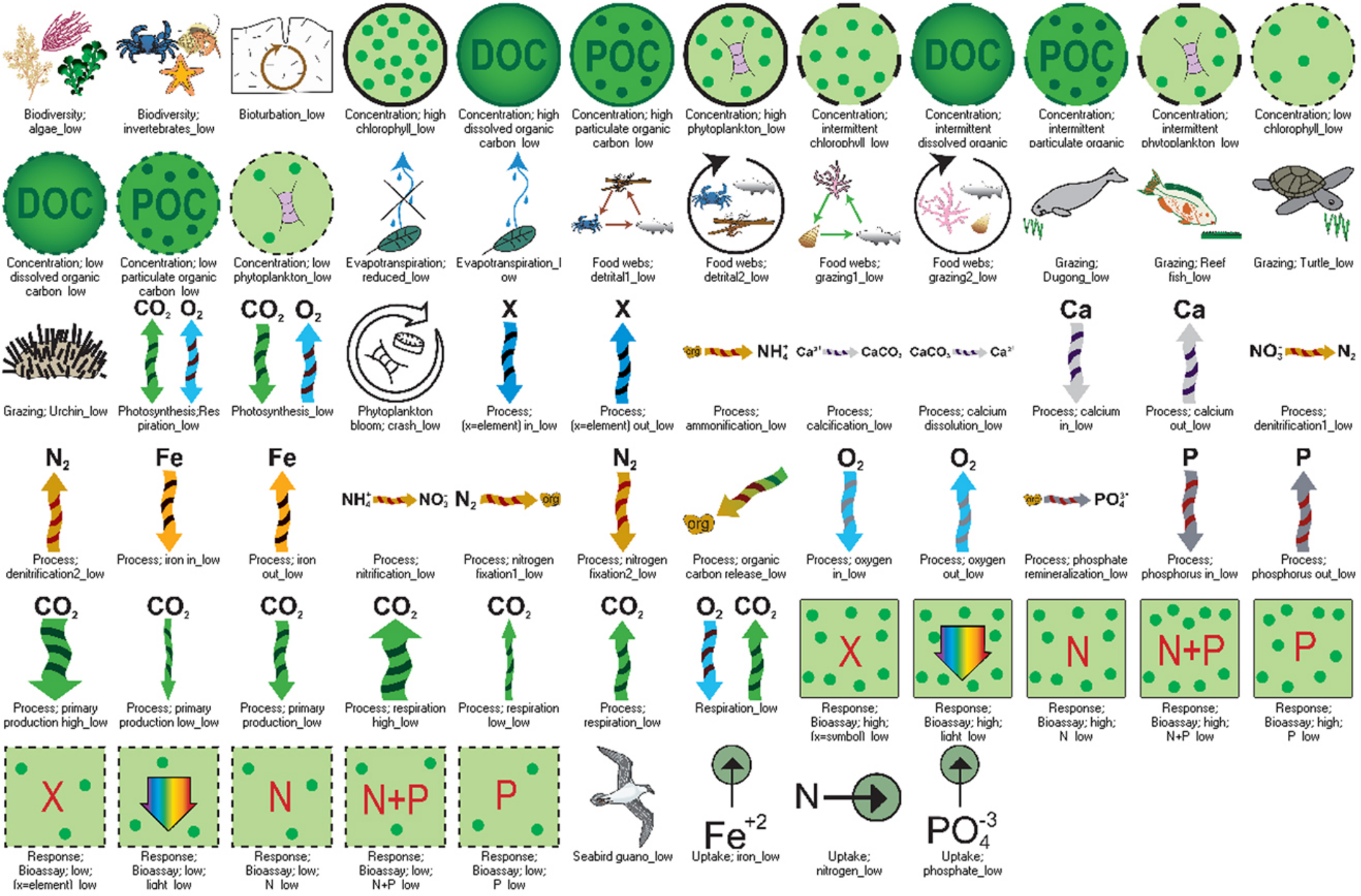
Vehicle4 (SUV)_low

Vehicle5 (Van)_low

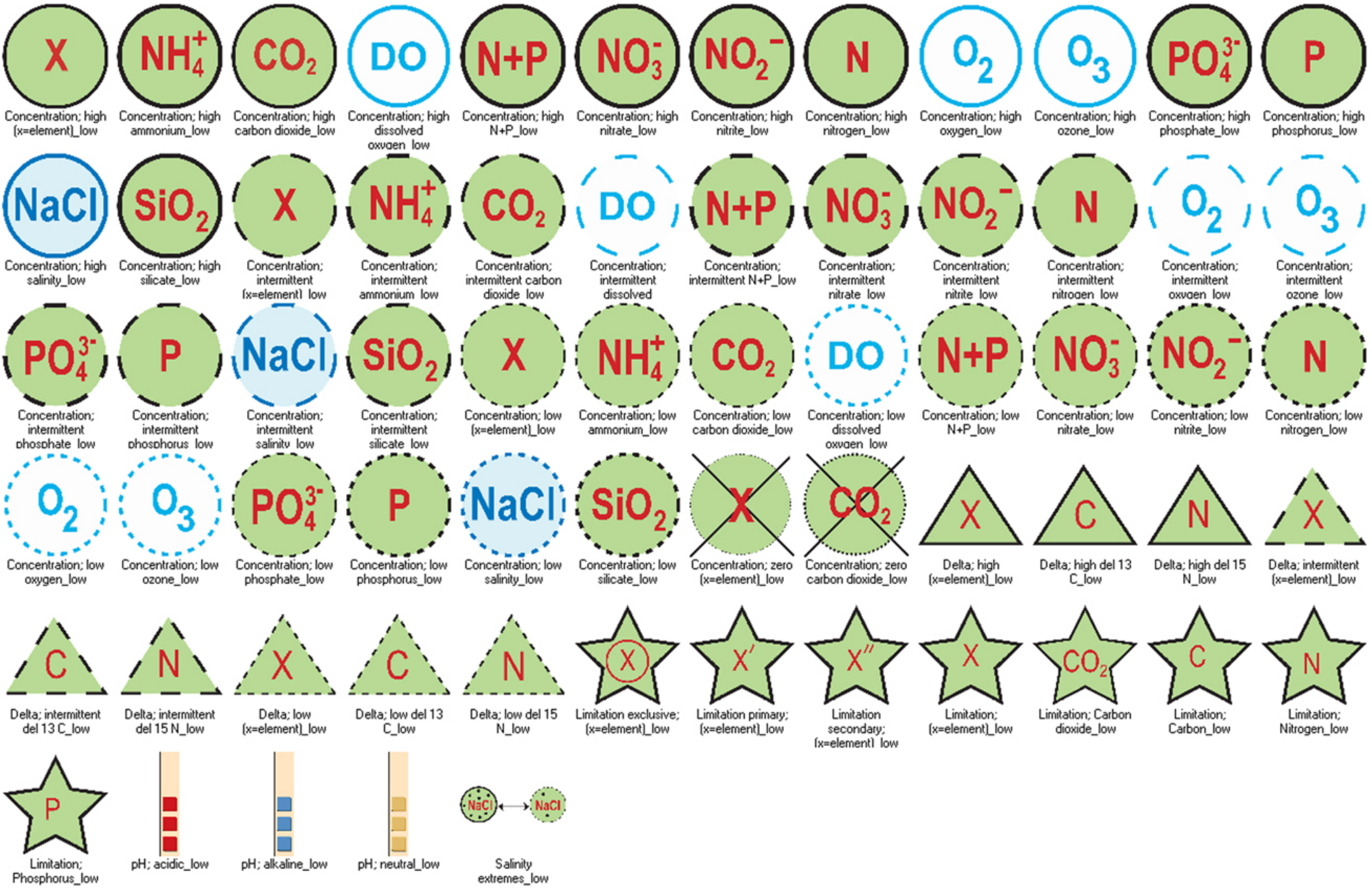
Vehicle6_low

Vehicle7 (SUV)_low

Processes: Biological



Processes: Chemical



Processes: Inputs and Flows

Antibiotics_low

Atmospheric nitrogen_low

Atmospheric wind; rain_low

Groundwater_low

Input; atmospheric carbon dioxide_low

Inputs; atmospheric lead_low

Inputs; atmospheric mercury_low

Inputs; atmospheric nitrogen_low

Inputs; atmospheric particulates_low

Inputs; atmospheric phosphorus_low

Inputs; atmospheric sulphur_low

Inputs; dissolved organic carbon_low

Inputs; freshwater_low

Inputs; gas_low

Inputs; humic stained water_low

Inputs; iron stained water_low

Inputs; nutrients_low

Inputs; particulate organic carbon_low

Inputs; saltwater_low

Inputs; sediments and nutrients_low

Inputs; sediments_low

Inputs; toxicants_low

Non-point source_low

Pathogens_low

Temperature_low

Toxicants; lead_low

Toxicants; organo-chlorine_low

Toxicants_low

Treated Effluent_low

Processes: Modifiers

Certainty_low

Dynamic_low

Female symbol_low

High Certainty_low

High Uncertainty_low

Introduced species1_low

Introduced species2_low

Male symbol_low

Negative_low

Positive_low

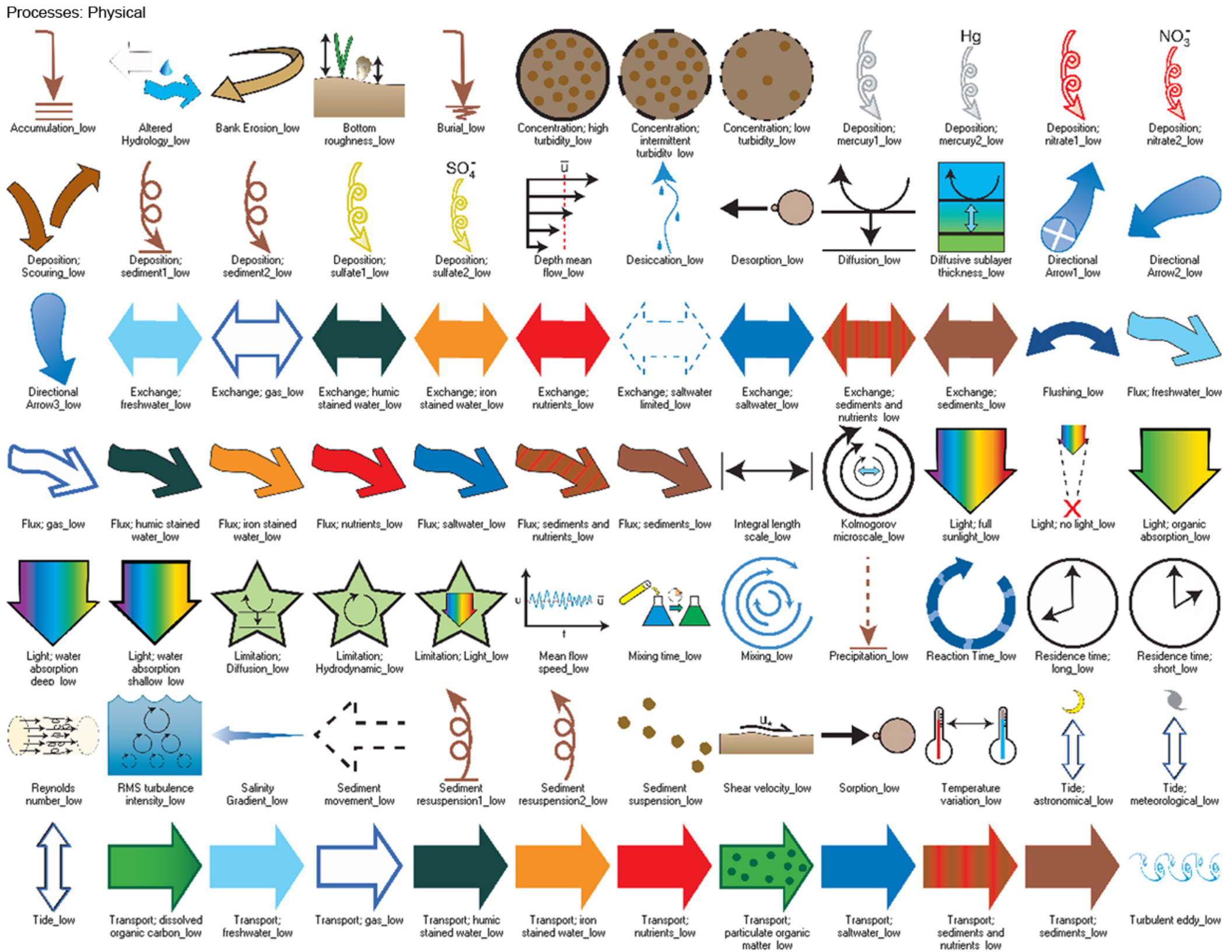
Potentially Negative_low

Potentially Positive_low

Uncertainty1_low

Uncertainty2_low

Processes: Physical



Turbulent energy dissipation rate_low

Upwelling_low

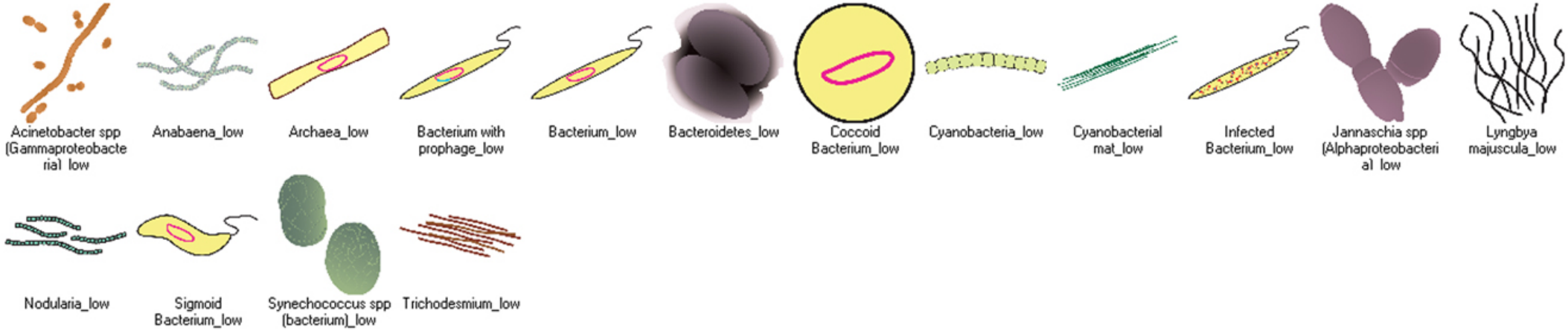
Vertical eddy diffusivity_low

Volatolization_low

Wake turbulence_low

Wave Energy_low

Prokaryotes and Viruses: Bacteria and Cyanobacteria



Prokaryotes and Viruses: Viruses

Adenovirus_low

Virus inserting DNA_low

Virus_low