UNESCO environmental DNA (eDNA) Expeditions in marine World Heritage sites

Biodiversity survey for Belize Barrier Reef Reserve System

Interim Results Based on 50% of Samples Analyzed Not for public distribution



Credit: Belize Fisheries Department.

About eDNA Expeditions

UNESCO's eDNA Expeditions is a global, citizen science initiative that is conducted with the intention to measure marine biodiversity and predict the impact climate change on marine community composition across UNESCO World Heritage marine sites.

eDNA is a cost effective and minimally invasive method to measure biodiversity in any given area. Marine species continuously shed DNA into the water around them in the form of waste, mucus, or cells. By extracting this DNA from water samples, and subsequently multiplying and sequencing specific regions within these DNA strands, a wide variety of species can be detected without removing any organisms from their environment. The regions in the DNA targeted for sequencing are selected depending on the scope of the study: while some markers are suitable to obtain a broad overview of biodiversity across many groups of species, other markers are particularly suited to get high resolution insight for a more specific taxonomic group such as fish. The UNESCO eDNA Expeditions initiative combines a number of markers tailored for marine vertebrates (fish, mammals, and turtles). A general marker was added to also allow detection of species from other groups such as invertebrates, which can give a broader insight in the marine species diversity in a given area.

Between September 2022 and May 2023, UNESCO organized eDNA sampling campaigns in 21 marine World Heritage sites across 17 countries around the world. At every World Heritage site, about 20 samples were collected from different habitats. Over 250 young people participated in the local sampling expeditions. They were guided by local experts and park management staff, using protocols and eDNA sampling equipment provided by UNESCO.

Biodiversity inventories generated from the samples are being combined with existing species distribution data from public biodiversity databases such as the Ocean Biodiversity Information System (OBIS) in view of obtaining a comprehensive overview of marine life across marine World Heritage sites. Through the use of climate scenarios and species distribution models, an estimate will be made of the impact of climate change, in particular rising temperatures, on local biodiversity and its potential future distribution patterns.

More information about the initiative and a press kit are available on the UNESCO website: https://www.unesco.org/en/edna-expeditions.

Results

Sampling and sample processing

eDNA sampling was conducted in Belize Barrier Reef Reserve System in April 2023. A total of 20 samples were collected at 5 locations in the park covering different habitats: BCMR, Bacalar Chico Marine Reserve, Glovers Reef Marine Reserve belize, SCMR, and SWCMR (Figure 1). Up to 1,800 mL of seawater was filtered through filter cartridges containing a filter with a 0.8 µm pore size. After sampling, the filter cartridges were flushed with preservation liquid and shipped to UNESCO. From the 20 samples, 17 have now (December 2023) been processed. A second batch of samples will be processed by January 2024. DNA from these samples was extracted and amplified, and subsequently sent to the sequencing facility at KU Leuven in Belgium, a specialized university eDNA lab contracted by UNESCO for this work. PCR amplification was done using five primer pairs selected to capture as much biodiversity as possible in the target groups of the study: fish, mammals, and turtles. The results in this preliminary report are based on a first batch of 17 samples that were analyzed covering all locations that were sampled in the World Heritage site.

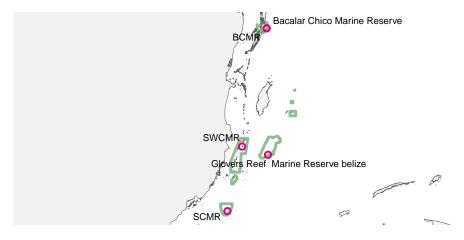


Figure 1: Map of the sampling locations.

DNA sequencing

Sequencing of the DNA from 17 samples resulted in over 32 million sequence reads, from which we collected 39,435 unique sequences or ASVs (Tables 1 and 2).

| reads | asvs |
|----------|-------|
| 32761261 | 39435 |

Table 1: Reads, ASVs, and species across all samples.

Species identification

The marker sequences obtained from sequencing were matched with sequence reference databases built using public data available from the National Center for Biotechnology Information (NCBI). This resulted in the identification of 608 species, including 242 fish species, 3 mammalian species, and 3 turtle species (Table 3). Species from other groups, such as algae, molluscs, cnidarians, sponges, and worms, were also detected (Figures 2 and 3). This number of species detected represents about 36% of the 2,675 species known from Belize Barrier Reef Reserve System in the OBIS database. Of the 608 species detected, 243 are not among the species previously reported from Belize Barrier Reef Reserve System to the UNESCO OBIS database. 22 of the detected

| locality | materialSampleID | sampleSize | reads | asvs | species |
|------------------------------------|------------------|------------|---------|-------|---------|
| BCMR | EE0324 | 1500 | 1416747 | 10652 | 226 |
| BCMR | EE0417 | 1500 | 450464 | 302 | 5 |
| BCMR | EE0419 | 1500 | 2154113 | 12996 | 235 |
| BCMR | EE0421 | 1500 | 1299693 | 11098 | 246 |
| Bacalar Chico Marine Reserve | EE0422 | 1500 | 2636174 | 11057 | 223 |
| Glovers Reef Marine Reserve belize | EE0325 | 1200 | 1589663 | 9034 | 111 |
| Glovers Reef Marine Reserve belize | EE0326 | 1200 | 1263862 | 5910 | 62 |
| Glovers Reef Marine Reserve belize | EE0425 | 1200 | 1378870 | 7162 | 132 |
| Glovers Reef Marine Reserve belize | EE0428 | 1200 | 2108729 | 8404 | 139 |
| SCMR | EE0420 | 1500 | 2586311 | 9820 | 177 |
| SCMR | EE0423 | 1800 | 1395144 | 5783 | 116 |
| SCMR | EE0424 | 1500 | 2560953 | 9283 | 222 |
| SCMR | EE0477 | 1500 | 2122590 | 6805 | 160 |
| SWCMR | EE0323 | 1800 | 2122206 | 12086 | 155 |
| SWCMR | EE0418 | 1800 | 1720058 | 11016 | 174 |
| SWCMR | EE0426 | 1800 | 3187196 | 9206 | 169 |
| SWCMR | EE0429 | 1800 | 2767124 | 8465 | 172 |

Table 2: Reads, ASVs, and species by sample.

species are listed as threatened on the IUCN Red List (Table 4). A full list of species is added at the end of this report.

| group | eDNA species | total species | fraction |
|---------|--------------|---------------|----------|
| fish | 242 | 680 | 0.36 |
| mammals | 3 | 6 | 0.50 |
| turtles | 1 | 3 | 0.33 |

Table 3: Number of species in the three target groups, from the OBIS database and from eDNA sampling.

| category | eDNA species | total species | fraction |
|----------|--------------|---------------|----------|
| CR | 4 | 21 | 0.19 |
| EN | 5 | 12 | 0.42 |
| VU | 13 | 42 | 0.31 |

Table 4: Number of species by IUCN Red List category, from the OBIS database and from eDNA sampling.

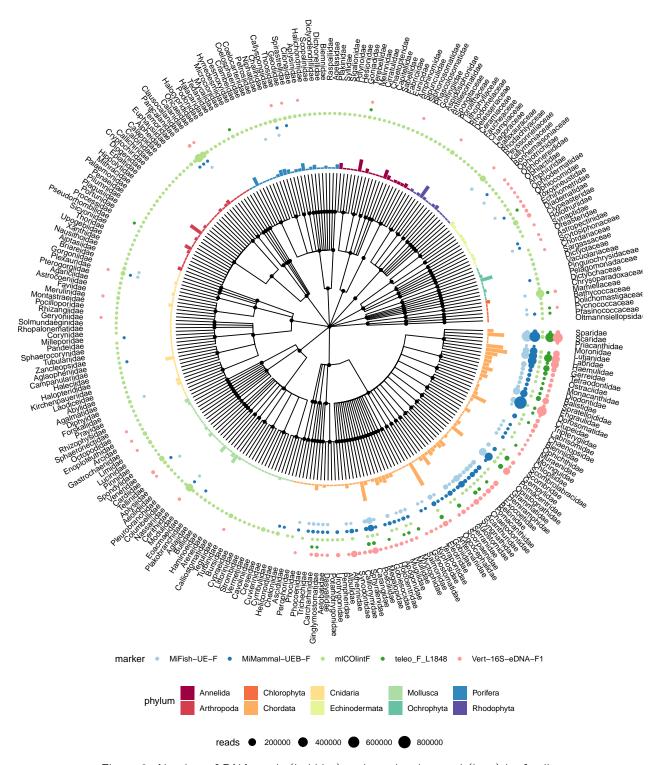


Figure 2: Number of DNA reads (bubbles) and species detected (bars) by family.

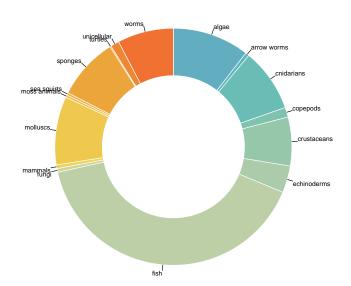


Figure 3: Distribution of detected species across groups.

| phylum | class | species | group | category | new | vernacular |
|-------------|--------------|----------------------------------------|-------------|----------|------|------------------|
| Amoebozoa | Discosea | Neoparamoeba aestuarina | unicellular | | yes | |
| Amoebozoa | Discosea | Neoparamoeba pemaquidensis | unicellular | | yes | |
| Annelida | Polychaeta | Capitella nonatoi | worms | | yes | |
| Annelida | Polychaeta | Echinofabricia goodhartzorum | worms | | | |
| Annelida | Polychaeta | Eupolymnia crassicornis | worms | | | |
| Annelida | Polychaeta | Eupolymnia rullieri | worms | | | |
| Annelida | Polychaeta | Eurythoe complanata | worms | | | fireworm |
| Annelida | Polychaeta | Glycinde multidens | worms | | yes | |
| Annelida | Polychaeta | Harmothoe longidentis | worms | | - | |
| Annelida | Polychaeta | Hermodice carunculata | worms | | | bearded fireworm |
| Annelida | Polychaeta | Isolda bipinnata | worms | | yes | |
| Annelida | Polychaeta | Lanicola carus | worms | | • | |
| Annelida | Polychaeta | Leodice miurai | worms | | | |
| Annelida | Polychaeta | Loimia bermudensis | worms | | | |
| Annelida | Polychaeta | Loimia medusa | worms | | yes | medusa worm |
| Annelida | Polychaeta | Loimia minuta | worms | | , | |
| Annelida | Polychaeta | Mesochaetopterus rogeri | worms | | yes | |
| Annelida | Polychaeta | Myrianida gidholmi | worms | | , | |
| Annelida | Polychaeta | Neogyptis fauchaldi | worms | | | |
| Annelida | Polychaeta | Nicidion angeli | worms | | | |
| Annelida | Polychaeta | Nicidion cariboea | worms | | | |
| Annelida | Polychaeta | Nicidion mikeli | worms | | | |
| Annelida | Polychaeta | Nicidion mutilata | worms | | | |
| Annelida | Polychaeta | Nicidion notata | worms | | | |
| Annelida | Polychaeta | Notopygos caribea | worms | | yes | |
| Annelida | Polychaeta | Odontosyllis enopla | worms | | , | Bermuda fireworm |
| Annelida | Polychaeta | Pisione hartmannschroederae | worms | | yes | |
| Annelida | Polychaeta | Sabellastarte spectabilis | worms | | yes | |
| Annelida | Polychaeta | Spinosphaera hutchingsae | worms | | , | |
| Annelida | Polychaeta | Syllis malaquini | worms | | yes | |
| Annelida | Polychaeta | Syllis ypsiloides | worms | | yes | |
| Annelida | Polychaeta | Thelepus verrilli | worms | | , 00 | |
| Annelida | Polychaeta | Timarete caribous | worms | | | |
| Annelida | Polychaeta | Timarete ceciliae | worms | | yes | |
| Annelida | Polychaeta | Timarete punctata | worms | | , | |
| Annelida | , | Antillesoma antillarum | worms | | | |
| Annelida | | Aspidosiphon (Aspidosiphon) gosnoldi | worms | | yes | |
| Annelida | | Aspidosiphon (Paraspidosiphon) laevis | worms | | , | |
| Annelida | | Golfingia (Golfingia) elongata | worms | | | |
| Annelida | | Lithacrosiphon cristatus | worms | | | |
| Annelida | | Nephasoma (Nephasoma) pellucidum | worms | | | |
| Annelida | | Phascolosoma (Phascolosoma) nigrescens | worms | | | |
| Annelida | | Phascolosoma (Phascolosoma) perlucens | worms | | | |
| Annelida | | Siphonosoma cumanense | worms | | | |
| Annelida | | Siphonosoma vastum | worms | | yes | |
| Annelida | | Sipunculus (Sipunculus) nudus | worms | | , | |
| Arthropoda | Arachnida | Rhombognathus areolatus | | | yes | |
| Arthropoda | Branchiopoda | Pseudevadne tergestina | crustaceans | | yes | |
| Arthropoda | Copepoda | Calocalanus styliremis | copepods | | yes | |
| Arthropoda | Copepoda | Clausocalanus furcatus | copepods | | yes | |
| лі пітороца | Сорероца | Ciausocaiaiius furcatus | cohehous | | yes | |

| phylum | class | species | group | category | new | vernacular |
|-----------------|-------------------|--------------------------------|-------------|----------|-----|--------------------------------------------------|
| Arthropoda | Copepoda | Delibus nudus | copepods | | yes | |
| Arthropoda | Copepoda | Oncaea waldemari | copepods | | yes | |
| Arthropoda | Copepoda | Paracalanus quasimodo | copepods | | yes | |
| Arthropoda | Copepoda | Temora stylifera | copepods | | yes | |
| Arthropoda | Copepoda | Temora turbinata | copepods | | yes | |
| Arthropoda | Copepoda | Undinula vulgaris | copepods | | yes | |
| Arthropoda | Malacostraca | Achelous depressifrons | crustaceans | | yes | flat-browed crab |
| Arthropoda | Malacostraca | Achelous ordwayi | crustaceans | | yes | |
| Arthropoda | Malacostraca | Achelous sebae | crustaceans | | | |
| Arthropoda | Malacostraca | Actaea acantha | crustaceans | | yes | spinose rubble crab |
| Arthropoda | Malacostraca | Alpheus formosus | crustaceans | | | striped snapping shrimp |
| Arthropoda | Malacostraca | Amphithrax aculeatus | crustaceans | | yes | |
| Arthropoda | Malacostraca | Calappa gallus | crustaceans | | yes | rough box crab |
| Arthropoda | Malacostraca | Calcinus tibicen | crustaceans | | yes | orange claw hermit crab |
| Arthropoda | Malacostraca | Callinectes ornatus | crustaceans | | yes | shelligs |
| Arthropoda | Malacostraca | Clibanarius tricolor | crustaceans | | | tricolor hermit |
| Arthropoda | Malacostraca | Euphausia mutica | crustaceans | | yes | |
| Arthropoda | Malacostraca | Garthiope barbadensis | crustaceans | | yes | prickly mud crab |
| Arthropoda | Malacostraca | Latreutes fucorum | crustaceans | | yes | slender Sargassum shrimp, crevette des Sargasses |
| Arthropoda | Malacostraca | Leander tenuicornis | crustaceans | | , | brown grass shrimp, crevette à rostre étroit |
| Arthropoda | Malacostraca | Macrocoeloma diplacanthum | crustaceans | | | 3 |
| Arthropoda | Malacostraca | Macrocoeloma trispinosum | crustaceans | | | spongy decorator crab |
| Arthropoda | Malacostraca | Metapenaeopsis gerardoi | crustaceans | | yes | |
| Arthropoda | Malacostraca | Mithraculus cinctimanus | crustaceans | | , | banded clinging crab |
| Arthropoda | Malacostraca | Mithraculus coryphe | crustaceans | | | nodose clinging crab |
| Arthropoda | Malacostraca | Mithraculus forceps | crustaceans | | | red-ridged clinging crab |
| Arthropoda | Malacostraca | Mithraculus sculptus | crustaceans | | | green clinging crab |
| Arthropoda | Malacostraca | Mithrax pleuracanthus | crustaceans | | | shaggy clinging crab |
| Arthropoda | Malacostraca | Neocallichirus grandimana | crustaceans | | yes | bighand ghost shrimp |
| Arthropoda | Malacostraca | Omalacantha bicornuta | crustaceans | | | speck-claw decorator crab |
| Arthropoda | Malacostraca | Paractaea rufopunctata | crustaceans | | yes | nodose rubble crab |
| Arthropoda | Malacostraca | Penaeus notialis | crustaceans | | yes | southern pink shrimp, crevette rose du Sud |
| Arthropoda | Malacostraca | Pilumnus longleyi | crustaceans | | yes | studded hairy crab |
| Arthropoda | Malacostraca | Pitho Iherminieri | crustaceans | | | broadback urn crab |
| Arthropoda | Malacostraca | Plagusia depressa | crustaceans | | | flattened crab |
| Arthropoda | Malacostraca | Portunus sanguinolentus | crustaceans | | yes | blood-spotted swimming crab |
| Arthropoda | Malacostraca | Processa bermudensis | crustaceans | | | Bermuda night shrimp |
| Arthropoda | Malacostraca | Processa fimbriata | crustaceans | | | grass night shrimp |
| Arthropoda | Malacostraca | Sicyonia laevigata | crustaceans | | | |
| Arthropoda | Malacostraca | Synalpheus townsendi | crustaceans | | | Townsend snapping shrimp |
| Arthropoda | Malacostraca | Teleophrys ruber | crustaceans | | | 11 3 |
| Arthropoda | Malacostraca | Thor manningi | crustaceans | | | Manning grass shrimp |
| Arthropoda | Malacostraca | Troglocarcinus corallicola | crustaceans | | yes | , |
| Arthropoda | Malacostraca | Upogebia noronhensis | crustaceans | | yes | |
| Arthropoda | Malacostraca | Williamstimpsonia denticulatus | crustaceans | | yes | |
| Arthropoda | Ostracoda | Porroecia spinirostris | | | yes | |
| Ascomycota | Dothideomycetes | Cladosporium herbarum | fungi | | yes | |
| Ascomycota | Sordariomycetes | Fusarium oxysporum | fungi | | yes | |
| Ascomycota | Sordariomycetes | Gliomastix murorum | fungi | | yes | |
| Bacillariophyta | Bacillariophyceae | Bellerochea polymorpha | algae | | yes | |

Bacıllarıophyta
Continued on next page

| phylum | class | species | group | category | new | vernacular |
|-----------------|---------------------|-------------------------------|--------------|----------|------|---------------------------------|
| Bacillariophyta | Bacillariophyceae | Cylindrotheca closterium | algae | | yes | |
| Bacillariophyta | Bacillariophyceae | Navicula minima | algae | | yes | |
| Basidiomycota | Agaricomycetes | Schizophyllum commune | | | yes | |
| Bryozoa | Gymnolaemata | Amathia evelinae | moss animals | | yes | |
| Bryozoa | Gymnolaemata | Amathia maxima | moss animals | | yes | |
| Cercozoa | Chlorarachnea | Bigelowiella natans | unicellular | | yes | |
| Cercozoa | Chlorarachnea | Chlorarachnion reptans | unicellular | | yes | |
| Chaetognatha | Sagittoidea | Flaccisagitta enflata | arrow worms | | yes | |
| Chaetognatha | Sagittoidea | Krohnitta subtilis | arrow worms | | yes | |
| Chaetognatha | Sagittoidea | Sagitta helenae | arrow worms | | yes | |
| Chlorophyta | Mamiellophyceae | Bathycoccus prasinos | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Dolichomastix tenuilepis | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Mantoniella squamata | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Micromonas commoda | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Micromonas pusilla | algae | | yes | |
| Chlorophyta | Pyramimonadophyceae | Prasinoderma coloniale | algae | | yes | |
| Chlorophyta | Pyramimonadophyceae | Pycnococcus provasolii | algae | | yes | |
| Chlorophyta | Ulvophyceae | Oltmannsiellopsis viridis | algae | | yes | |
| Chlorophyta | 25 | Chloropicon laureae | algae | | yes | |
| Chlorophyta | | Chloropicon roscoffensis | algae | | yes | |
| Chlorophyta | | Chloropicon sieburthii | algae | | yes | |
| Chordata | Ascidiacea | Ascidia ahodori | sea squirts | | yes | |
| Chordata | Ascidiacea | Ecteinascidia styeloides | sea squirts | | , 00 | |
| Chordata | Elasmobranchii | Aetobatus flagellum | fish | EN | yes | |
| Chordata | Elasmobranchii | Aetobatus narinari | fish | EN | ves | spotted eagle ray |
| Chordata | Elasmobranchii | Carcharhinus amblyrhynchoides | fish | VU | ves | graceful shark |
| Chordata | Elasmobranchii | Carcharhinus limbatus | fish | VÜ | yes | blacktip shark |
| Chordata | Elasmobranchii | Ginglymostoma cirratum | fish | VU | | nurse shark, requin nourrice |
| Chordata | Elasmobranchii | Hypanus americanus | fish | NT | | nuise shark, requiii nournee |
| Chordata | Elasmobranchii | Negaprion brevirostris | fish | VU | | lemon shark |
| Chordata | Elasmobranchii | Rhizoprionodon terraenovae | fish | LC | | Atlantic sharpnose shark |
| Chordata | Elasmobranchii | | fish | EN | | Atlantic Sharphose Shark |
| Chordata | | Styracura schmardae | fish | LC | | vellow etingray |
| | Elasmobranchii | Urobatis jamaicensis | | LC | | yellow stingray |
| Chardete | Mammalia | Mirounga leonina | mammals | VU | yes | southern elephant seal |
| Chordata | Mammalia | Neophocaena phocaenoides | mammals | VU | yes | Indian dolphin, marsouin aptere |
| Chordata | Mammalia | Trichechus manatus | mammals | | | West Indian manatee |
| Chordata | Teleostei | Abudefduf saxatilis | fish | LC | | sergeant major |
| Chordata | Teleostei | Abudefduf vaigiensis | fish | LC | yes | Indo-Pacific sergeant |
| Chordata | Teleostei | Acanthemblemaria spinosa | fish | LC | | spinyhead blenny |
| Chordata | Teleostei | Acanthostracion polygonium | fish | | | |
| Chordata | Teleostei | Acanthostracion quadricornis | fish | LC | | scrawled cowfish |
| Chordata | Teleostei | Acanthurus bahianus | fish | LC | | ocean surgeon |
| Chordata | Teleostei | Acanthurus chirurgus | fish | LC | | doctorfish |
| Chordata | Teleostei | Acanthurus coeruleus | fish | LC | | blue tang surgeonfish |
| Chordata | Teleostei | Acyrtops beryllinus | fish | LC | | emerald clingfish |
| Chordata | Teleostei | Albula vulpes | fish | NT | | bonefish |
| Chordata | Teleostei | Alectis ciliaris | fish | LC | yes | African pompano |
| Chordata | Teleostei | Aluterus schoepfii | fish | LC | | orange filefish |
| Chordata | Teleostei | Aluterus scriptus | fish | LC | | scrawled filefish |
| Chordata | Teleostei | Anchoa cayorum | fish | LC | | key anchovy |

| phylum | class | species | group | category | new | vernacular |
|----------|-----------|----------------------------------------------|-------|----------|------|----------------------------------------|
| Chordata | Teleostei | Anisotremus scapularis | fish | LC | yes | |
| Chordata | Teleostei | Anisotremus surinamensis | fish | DD | | black margate |
| Chordata | Teleostei | Archosargus probatocephalus | fish | LC | yes | sheepshead |
| Chordata | Teleostei | Archosargus rhomboidalis | fish | LC | yes | Western Atlantic seabream |
| Chordata | Teleostei | Astrapogon puncticulatus | fish | LC | • | blackfin cardinalfish |
| Chordata | Teleostei | Atherinomorus lacunosus | fish | LC | ves | robust silverside |
| Chordata | Teleostei | Atherinomorus stipes | fish | LC | , | hardhead silverside |
| Chordata | Teleostei | Aulostomus chinensis | fish | LC | ves | Chinese trumpetfish |
| Chordata | Teleostei | Aulostomus maculatus | fish | LC | , 00 | Atlantic trumpetfish |
| Chordata | Teleostei | Azurina cyanea | fish | | | / telantile transporter |
| Chordata | Teleostei | Balistes vetula | fish | NT | | queen triggerfish |
| Chordata | Teleostei | Barbulifer ceuthoecus | fish | LC | | bearded goby |
| Chordata | Teleostei | Bathygobius curacao | fish | LC | | notchtongue goby |
| Chordata | Teleostei | Bathygobius lacertus | fish | LC | | notentiongue goby |
| Chordata | Teleostei | Bodianus rufus | fish | LC | | Spanish hogfish |
| Chordata | Teleostei | Brvx dunckeri | fish | LC | | pugnose pipefish |
| Chordata | Teleostei | Calamus calamus | fish | LC | | , 3 |
| | | | | | | saucereye porgy |
| Chordata | Teleostei | Calamus penna | fish | LC | | sheepshead porgy |
| Chordata | Teleostei | Callionymus bairdi | fish | LC | | lancer dragonet |
| Chordata | Teleostei | Cantherhines pullus | fish | LC | | orangespotted filefish |
| Chordata | Teleostei | Canthidermis maculata | fish | LC | yes | rough triggerfish |
| Chordata | Teleostei | Canthidermis sufflamen | fish | LC | | ocean triggerfish |
| Chordata | Teleostei | Canthigaster rostrata | fish | LC | | sharpnose puffer |
| Chordata | Teleostei | Caranx bartholomaei | fish | LC | | yellow jack |
| Chordata | Teleostei | Caranx crysos | fish | LC | | blue runner, carangue coubali |
| Chordata | Teleostei | Caranx hippos | fish | LC | | common jack, carangue crevalle |
| Chordata | Teleostei | Caranx latus | fish | LC | | horse-eye jack |
| Chordata | Teleostei | Caranx ruber | fish | LC | | bar jack |
| Chordata | Teleostei | Caranx sexfasciatus | fish | LC | yes | bigeye trevally |
| Chordata | Teleostei | Cephalopholis cruentata | fish | LC | | graysby |
| Chordata | Teleostei | Chaetodon capistratus | fish | LC | | foureye butterflyfish |
| Chordata | Teleostei | Chaetodon striatus | fish | LC | | banded butterflyfish |
| Chordata | Teleostei | Chilomycterus antennatus | fish | LC | | bridled burrfish |
| Chordata | Teleostei | Chriolepis roosevelti | fish | LC | | |
| Chordata | Teleostei | Clepticus parrae | fish | LC | | creole wrasse |
| Chordata | Teleostei | Clupea harengus | fish | LC | yes | herring, hareng de l'Atlantique |
| Chordata | Teleostei | Coryphopterus glaucofraenum | fish | LC | , | bridled goby |
| Chordata | Teleostei | Cosmocampus elucens | fish | LC | | shortfin pipefish |
| Chordata | Teleostei | Cryptotomus roseus | fish | LC | | bluelip parrotfish |
| Chordata | Teleostei | Ctenogobius boleosoma | fish | LC | | darter goby |
| Chordata | Teleostei | Ctenogobius saepepallens | fish | LC | | dash goby |
| Chordata | Teleostei | Cyclothone pseudopallida | fish | LC | yes | slender bristlemouth, cyclothone mince |
| Chordata | Teleostei | Dasyscopelus obtusirostris | fish | LC | yes | Sichael Bristiemouth, cyclothone minee |
| Chordata | Teleostei | Decapterus macarellus | fish | LC | ycs | mackerel scad |
| Chordata | Teleostei | Decapterus nuacarentis Decapterus punctatus | fish | LC | yes | round robin |
| Chordata | Teleostei | Diaphus dumerilii | fish | DD | ves | Touris Tobiii |
| Chordata | Teleostei | Diaphus dumeriii Diaphus splendidus | fish | LC | yes | |
| Chordata | Teleostei | Dicentrarchus punctatus | fish | LC | ves | spotted sea-bass, bar moucheté |
| Chordata | Teleostei | Diodon holocanthus | fish | LC | yes | balloonfish |
| Chordata | Teleostei | | fish | LC | | |
| Chordata | reieostei | Diodon hystrix | HSII | LC | | spot-fin porcupinefish |

| phylum | class | species | group | category | new | vernacular |
|----------|-----------|------------------------------|-------|----------|----------|------------------------------|
| Chordata | Teleostei | Diodon liturosus | fish | | yes | black-blotched porcupinefish |
| Chordata | Teleostei | Doratonotus megalepis | fish | LC | | dwarf wrasse |
| Chordata | Teleostei | Emmelichthyops atlanticus | fish | LC | | bonnetmouth |
| Chordata | Teleostei | Enchelycore carychroa | fish | LC | | chestnut moray |
| Chordata | Teleostei | Enchelycore nigricans | fish | LC | | viper moray |
| Chordata | Teleostei | Enneanectes altivelis | fish | LC | | lofty triplefin |
| Chordata | Teleostei | Enneanectes boehlkei | fish | LC | | roughhead triplefin |
| Chordata | Teleostei | Enneanectes jordani | fish | LC | | mimic triplefin |
| Chordata | Teleostei | Epinephelus guttatus | fish | LC | | red hind |
| Chordata | Teleostei | Epinephelus morio | fish | VU | | red grouper, mérou rouge |
| Chordata | Teleostei | Erotelis smaragdus | fish | LC | | emerald sleeper |
| Chordata | Teleostei | Etelis oculatus | fish | DD | ves | queen snapper |
| Chordata | Teleostei | Eucinostomus argenteus | fish | LC | J | silver mojarra |
| Chordata | Teleostei | Eucinostomus gula | fish | LC | | Jenny mojarra |
| Chordata | Teleostei | Eucinostomus jonesii | fish | LC | | slender mojarra |
| Chordata | Teleostei | Eucinostomus melanopterus | fish | LC | | flagfin mojarra |
| Chordata | Teleostei | Gambusia affinis | fish | LC | ves | mosquitofish |
| Chordata | Teleostei | Gambusia nicaraquensis | fish | LC | yes | mosquitonsii |
| Chordata | Teleostei | Gempylus serpens | fish | LC | yes | snake mackerel |
| Chordata | Teleostei | Gerres cinereus | fish | LC | ycs | yellowfin mojarra |
| Chordata | Teleostei | Gnatholepis cauerensis | fish | LC | | eyebar goby |
| Chordata | Teleostei | Gnatholepis thompsoni | fish | LC | | goldspot goby |
| Chordata | Teleostei | Gobioclinus haitiensis | fish | LC | | goldspot goby |
| Chordata | Teleostei | Gramma melacara | fish | LC | | blackcap basslet |
| | Teleostei | | fish | LC | | · |
| Chordata | | Gymnothorax miliaris | | | | goldentail moray |
| Chordata | Teleostei | Gymnothorax monochrous | fish | LC | yes | drab moray |
| Chordata | Teleostei | Haemulon aurolineatum | fish | LC | | tomtate grunt |
| Chordata | Teleostei | Haemulon flavolineatum | fish | LC | | French grunt |
| Chordata | Teleostei | Haemulon macrostomum | fish | LC | | Spanish grunt |
| Chordata | Teleostei | Haemulon plumierii | fish | LC | | grunt |
| Chordata | Teleostei | Haemulon sciurus | fish | LC | | bluestriped grunt |
| Chordata | Teleostei | Halichoeres bivittatus | fish | LC | | slippery dick |
| Chordata | Teleostei | Halichoeres dispilus | fish | LC | yes | chameleon wrasse |
| Chordata | Teleostei | Halichoeres garnoti | fish | LC | | yellowhead wrasse |
| Chordata | Teleostei | Halichoeres maculipinna | fish | LC | | clown wrasse |
| Chordata | Teleostei | Halichoeres pictus | fish | LC | | rainbow wrasse |
| Chordata | Teleostei | Halichoeres poeyi | fish | LC | | blackear wrasse |
| Chordata | Teleostei | Halichoeres radiatus | fish | LC | | puddingwife |
| Chordata | Teleostei | Harengula humeralis | fish | LC | | pilchard |
| Chordata | Teleostei | Harengula jaguana | fish | LC | | scaled sardine |
| Chordata | Teleostei | Hemiramphus balao | fish | LC | yes | balao |
| Chordata | Teleostei | Hemiramphus brasiliensis | fish | LC | | ballyhoo halfbeak |
| Chordata | Teleostei | Heteropriacanthus cruentatus | fish | LC | | glasseye snapper |
| Chordata | Teleostei | Histrio histrio | fish | LC | | Sargassumfish |
| Chordata | Teleostei | Holacanthus ciliaris | fish | LC | | queen angelfish |
| Chordata | Teleostei | Holacanthus tricolor | fish | LC | | rock beauty |
| Chordata | Teleostei | Holocentrus adscensionis | fish | LC | | squirrelfish |
| Chordata | Teleostei | Hypleurochilus geminatus | fish | LC | yes | crested blenny |
| Chordata | Teleostei | Hypoatherina harringtonensis | fish | LC | - | reef silverside |
| Chordata | Teleostei | Hypoplectrus gemma | fish | LC | | blue hamlet |

| Chordata Teleostei Kyphosu vaigiensis fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC brassy chub Chordata Teleostei Lactophys bicaudalis fish LC trunkfish Chordata Teleostei Lactophys bicaudalis fish LC trunkfish Chordata Teleostei Lactophys bicaudalis fish LC trunkfish Chordata Teleostei Lutjanus analis fish LC trunkfish Chordata Teleostei Lutjanus analis fish LC schoolmaster snapper Chordata Teleostei Lutjanus analis fish LC schoolmaster snapper Chordata Teleostei Lutjanus griesu fish LC degrey snapper Chordata Teleostei Lutjanus griesu fish LC degrey snapper Chordata Teleostei Lutjanus griesu fish LC Mahogany snapper Chordata Teleostei Lutjanus synagris fish LC Mahogany snapper Chordata Teleostei Lutjanus synagris fish LC Mahogany snapper Chordata Teleostei Lutjanus synagris fish LC disland goby Chordata Teleostei Lutjanus griesu fish LC disland goby Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus aurolineatus fish LC minitator blenny Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus friangulatus fish LC minitator blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saled blenny Chordata Teleostei Megalops atlanticus fish LC saled blenny Chordata Teleostei Microspathodon chrysurus fish LC saled blenny Chordata Teleostei Microspathodon chrysurus fish LC saled filefish Chordata Teleostei Monacanthus tuckeri fish LC saled filefish Chordata Teleostei Mulgil capririi fish LC saled filefish Chordata Teleostei Mulgil capririi fish LC saled filefish Chordata Teleostei Mulgil cephalus fish LC sephalus fish LC sep | phylum | class | species | group | category | new | vernacular |
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| Chordata Teleostei Katswomus pelamis fish LC yes skipjack tuna, bonite à ventre rayé Chordata Teleostei Kaupichthys hypoproroides fish LC brassy chub Chordata Teleostei Kyphosus vaigiensis fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC brassy chub LC hairy blenny Chordata Teleostei Lachophys bicaudalis fish LC hairy blenny Chordata Teleostei Lactophrys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophrys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophrys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lutjanus apadus fish LC spotted trunkfish Chordata Teleostei Lutjanus apadus fish LC schoolmaster snapper Chordata Teleostei Lutjanus apadus fish LC schoolmaster snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus spagios fish LC Mahogany snapper Chordata Teleostei Lutjanus mahogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus mahogoni fish LC Mahogany snapper Chordata Teleostei Lythynpus nesiotes fish LC goldline blenny Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Mejalopa slanticus fish LC saddled blenny forodata Teleostei Morgophis microlepis fish LC spen pinktail triggerfish Chordata Teleostei Morgophis microlepis fish LC spen pinktail triggerfish Chordata Teleostei Morgophis microlepis fish LC spen pinktail triggerfish Chordata Teleostei Morgophis macropus fish LC spen pinktail triggerfish Chordata Teleostei Mulpidichthys v | Chordata | Teleostei | Hypoplectrus unicolor | fish | LC | | butter hamlet |
| Chordata Teleostei Kaupinthys hyporrorides fish LC yes skipjack tuna, bonite a ventre rayé Chordata Teleostei Kupichthys hyporrorides fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC hairy blenny Chordata Teleostei Labrisomus nuchipinnis fish LC hairy blenny hogfish Chordata Teleostei Lachnolaimus maximus fish LC spotted trunkfish LC Chordata Teleostei Lactophrys bicaudalis fish LC spotted trunkfish LC Chordata Teleostei Lutjanus analis fish NT mutton snapper schoolmaster snapper Chordata Teleostei Lutjanus apodus fish LC spotted trunkfish LC Chordata Teleostei Lutjanus apodus fish LC spotted trunkfish LC Chordata Teleostei Lutjanus apodus fish LC spotted revented trunkfish LC Spotted Trunkfis | Chordata | Teleostei | Hyporthodus niveatus | fish | VU | yes | |
| Chordata Teleostei Kyphosus vaigenesis fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC brassy chub Chordata Teleostei Labrisomus nuchipinnis fish LC brassy chub Chordata Teleostei Lachophys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophys bicaudalis fish LC spotted trunkfish Chordata Teleostei Lutjanus apodus fish LC schoolmaster snapper Chordata Teleostei Lutjanus apodus fish LC schoolmaster snapper Chordata Teleostei Lutjanus apodus fish LC grey snapper Chordata Teleostei Lutjanus griseus fish VU yes northern red snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus spodu fish DD dog snapper Chordata Teleostei Lutjanus snapogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus snapogoni fish LC Mahogany snapper Chordata Teleostei Lythynpus nesiotes fish LC island goby Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Malacoctenus macropus fish LC saddled blenny Chordata Teleostei Mejalococtenus macropus fish LC saddled blenny Chordata Teleostei Mejalococtenus macropus fish LC saddled blenny Chordata Teleostei Mejalococtenus macropus fish LC saddled blenny Chordata Teleostei Mejalops altanticus fish LC saddled blenny Chordata Teleostei Mejalops altanticus fish LC spen pinktail triggerfish Chordata Teleostei Mejalops altanticus fish LC spen pinktail triggerfish Chordata Teleostei Monacanthus cluteri fish LC spen pinktail triggerfish Chordata Teleostei Monacanthus tuckeri fish LC spen pinktail triggerfish Chordata Teleostei Monacanthus tuckeri fish LC spen pinktail triggerfish Chordata Teleostei Mulloidichthys vanicolensis fish LC spen pinktail triggerfish Chordata Teleostei Mulloidichtys vanicolensis fish LC spen pinktail triggerfish Chordata Te | Chordata | Teleostei | Jenkinsia lamprotaenia | fish | LC | | dwarf herring |
| Chordata Teleostei Lbrisomus nuchipinnis fish LC hairy blenny Chordata Teleostei Lachnolaimus maximus fish LC hairy blenny Chordata Teleostei Lachnolaimus maximus fish LC spotted trunkfish Chordata Teleostei Lactophys trigonus fish LC spotted trunkfish Chordata Teleostei Lutjanus analis fish NT mutton snapper Chordata Teleostei Lutjanus apodus fish LC spotted trunkfish LC spotted trun | Chordata | Teleostei | Katsuwonus pelamis | fish | LC | yes | skipjack tuna, bonite à ventre rayé |
| Chordata Teleostei Labnsomus nuchipinnis fish UC hordita Teleostei Lactophrys bicaudalis fish UC trunkfish Todeostei Lactophrys bicaudalis fish LC trunkfish Chordata Teleostei Lactophrys bicaudalis fish LC trunkfish Chordata Teleostei Lutjanus analis fish LC trunkfish NT mutton snapper Chordata Teleostei Lutjanus analis fish LC scholmater snapper on them red snapp | Chordata | Teleostei | Kaupichthys hyoproroides | fish | LC | • | false moray |
| Chordata Teleostei Labnsomus nuchipinnis fish UC hordita Teleostei Lactophrys bicaudalis fish UC trunkfish Todeostei Lactophrys bicaudalis fish LC trunkfish Chordata Teleostei Lactophrys bicaudalis fish LC trunkfish Chordata Teleostei Lutjanus analis fish LC trunkfish NT mutton snapper Chordata Teleostei Lutjanus analis fish LC scholmater snapper on them red snapp | Chordata | Teleostei | | fish | LC | | brassy chub |
| Chordata Teleostei Lachonlaimus maximus fish VU hogfish Chordata Teleostei Lactophrys trigonus fish LC spotted trunkfish Chordata Teleostei Lutjanus analis fish NT mutton snapper Chordata Teleostei Lutjanus apodus fish NT mutton snapper Chordata Teleostei Lutjanus apodus fish VU yes northern red snapper Chordata Teleostei Lutjanus appensehanus fish VU yes northern red snapper Chordata Teleostei Lutjanus griseus fish LC schoolmaster snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Ghordata Teleostei Lutjanus griseus fish LC Mahogany snapper Chordata Teleostei Lutjanus mahogoni fish DD dog snapper Chordata Teleostei Lutjanus mahogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus mahogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus residus fish LC goldine blenny Chordata Teleostei Malacoctenus aurolineatus fish LC goldine blenny Chordata Teleostei Malacoctenus aurolineatus fish LC initiator blenny Chordata Teleostei Malacoctenus macropus fish LC rosy blenny Chordata Teleostei Malacoctenus intengulatus fish LC saddled blenny Chordata Teleostei Malacoctenus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Melcinthys niger fish LC pes pinktal triggerfish LC prodata Teleostei Microgobius microlepis fish LC pes pinktal triggerfish LC prodata Teleostei Microgobius microlepis fish LC pes pinktal triggerfish blance gold blenny fish LC pes pinktal triggerfish blance group fish LC pes pinktal triggerfish pi | Chordata | Teleostei | | fish | LC | | hairy blenny |
| Chordata Teleostei Lactophyrs bicaudalis fish LC spotted trunkfish Chordata Teleostei Lactophyrs trigonus fish LC trunkfish Chordata Teleostei Lutjanus analis fish NT mutton snapper Chordata Teleostei Lutjanus apodus fish LC schoordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Ochordata Teleostei Lutjanus griseus fish DD dog snapper Chordata Teleostei Lutjanus griseus fish DD dog snapper Chordata Teleostei Lutjanus mahogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus snapgris fish NT lane snapper Chordata Teleostei Lutjanus snapgris fish NT lane snapper Chordata Teleostei Lutjanus snapgris fish LC island goby Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus rdmani fish LC imitator blenny Chordata Teleostei Malacoctenus rdmani fish LC imitator blenny Chordata Teleostei Malacoctenus triangulatus fish LC saddled blenny Chordata Teleostei Mejalops atlanticus fish LC saddled blenny Chordata Teleostei Mejalops atlanticus fish LC saddled blenny Chordata Teleostei Melichthys niger fish LC pes pinktail triggerfish LC hordata Teleostei Melichthys vidua fish LC yes pinktail triggerfish LC hordata Teleostei Microspathodon chrysurus fish LC yes pinktail triggerfish Chordata Teleostei Microspathodon chrysurus fish LC yes long pinktail triggerfish LC hordata Teleostei Monacanthus ciliatus fish LC yes long pinktail triggerfish LC hordata Teleostei Monacanthus ciliatus fish LC yes long pinktail triggerfish LC hordata Teleostei Mugil cephalus fish LC yes long pinktail triggerfish LC yes Chordata Teleostei Mugil cerema fish LC yes long pinktail triggerfish LC yes long fish LC yes long pinktail triggerfish lack yellow goartish LC yes long pinktail snapper yellowalis parvus fish LC yes long pinktail snapper rolpotata Teleostei Neoniphon avciliarium fi | | Teleostei | • | | | | |
| Chordata Teleostei Lutjanus analis fish LC tutjants analis fish NT mutto snapper Chordata Teleostei Lutjanus apodus fish LC schoolmaster snapper Chordata Teleostei Lutjanus apodus fish VU yes northern red snapper Chordata Teleostei Lutjanus campechanus fish VU yes onthern red snapper Chordata Teleostei Lutjanus jocu fish DD dog snapper Chordata Teleostei Lutjanus jocu fish DD dog snapper Chordata Teleostei Lutjanus synagris fish NT lane snapper Chordata Teleostei Lutjanus synagris fish NT lane snapper Chordata Teleostei Lutjanus synagris fish NT lane snapper Chordata Teleostei Lutjanus synagris fish LC goldline blenny Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus redmani fish LC goldline blenny Chordata Teleostei Malacoctenus racropus fish LC rosy blenny Chordata Teleostei Malacoctenus racropus fish LC rosy blenny Chordata Teleostei Malacoctenus racropus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC rosy blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Megalops atlanticus fish LC saddled blenny Chordata Teleostei Melichthys nigrer fish LC black durgon Chordata Teleostei Melichthys vidua fish LC yes pinktail triggerfish banner goby Chordata Teleostei Microspobius microlepis fish LC black durgon pinktail triggerfish banner goby Chordata Teleostei Monacanthus ciliatus fish LC seleostei filefish Chordata Teleostei Monacanthus ciliatus fish LC seleostei filefish Chordata Teleostei Mugli cephalus fish LC yes Vellowing goatfish Chordata Teleostei Mugli cephalus fish LC yes Vellowing goatfish Chordata Teleostei Mugli cephalus fish LC yes Vellowing goatfish Chordata Teleostei Myctorperca bonaci fish LC yes Vellowing goatfish Chordata Teleostei Myctorperca bonaci fish LC yes Vellowing goatfish Vellorata Teleostei Neoniphon v | | | | | | | 9 |
| Chordata Teleostei Lutjanus analis fish NT mutton snapper Chordata Teleostei Lutjanus apodus fish LC schoolmaster snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus griseus fish LC grey snapper Chordata Teleostei Lutjanus ynapper fish DD dog snapper Chordata Teleostei Lutjanus snahogoni fish LC Mahogany snapper Chordata Teleostei Lutjanus snayagris fish NT lane snapper Chordata Teleostei Lutjanus snayagris fish NT lane snapper Chordata Teleostei Lythypnus nesiotes fish LC island goby Chordata Teleostei Malacoctenus aurolineatus fish LC goldline blenny Chordata Teleostei Malacoctenus erdmani fish LC imitator blenny Chordata Teleostei Malacoctenus racropus fish LC crosy blenny Chordata Teleostei Malacoctenus triangulatus fish LC saddled blenny Chordata Teleostei Malacoctenus triangulatus fish LC saddled blenny Chordata Teleostei Melichthys niger fish LC saddled blenny LC blordata Teleostei Melichthys vidua fish LC black durgon black durgon black durgon black durgon Fish LC black durgon Fish LC black durgon Fish LC black durgon black durgon Fish LC seleostei Microspobius microlepis fish LC gellowatil danselfish Fish LC spanetrial F | | | | | | | |
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| Chordata Teleostei Microspathodon chrysurus fish LC yellowtail damselfish Chordata Teleostei Monacanthus ciliatus fish LC fringed filefish Chordata Teleostei Monacanthus tuckeri fish LC slender filefish Chordata Teleostei Moringua edwardsi fish LC spaghetti eel Chordata Teleostei Mugil capurrii fish LC yes Chordata Teleostei Mugil cephalus fish LC gres Grey mullet, muge Chordata Teleostei Mugil curema fish LC grey mullet, muge Chordata Teleostei Mugil curema fish LC yellow goatfish Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellow goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC yes yellow form eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | | | | yes | |
| Chordata Teleostei Monacanthus ciliatus fish LC slender filefish Chordata Teleostei Monacanthus tuckeri fish LC slender filefish Chordata Teleostei Moringua edwardsi fish LC spaghetti eel Chordata Teleostei Mugil capurrii fish LC yes Chordata Teleostei Mugil cephalus fish LC grey mullet, muge Chordata Teleostei Mugil curema fish LC silverside mullet Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC yes yellowfin goatfish Chordata Teleostei Myrophis punctatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nesiongus fish LC yes black gemfish Chordata Teleostei Nesiongus fish LC yes black gemfish Chordata Teleostei Nesiongus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes roughback batfish Chordata Teleostei Ogcocephalus parvus fish LC yes finespotted jawfish Chordata Teleostei Ogiocognathus punctatus fish LC yes finespotted jawfish | | | | | | | 5 , |
| Chordata Teleostei Monacanthus tuckeri fish LC slender filefish Chordata Teleostei Moringua edwardsi fish LC yes Chordata Teleostei Mugil capurrii fish LC yes Chordata Teleostei Mugil cephalus fish LC grey mullet, muge Chordata Teleostei Mugil cerema fish LC grey mullet Chordata Teleostei Mugil curema fish LC yellow goatfish Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yellow goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC yes Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC yes Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Nes longus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes publack batfish Chordata Teleostei Ogcocephalus parvus fish LC yes finespotted jawfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | | | | | • |
| Chordata Teleostei Moringua edwardsi fish LC yes Chordata Teleostei Mugil capurrii fish LC yes Chordata Teleostei Mugil cephalus fish LC grey mullet, muge Chordata Teleostei Mugil curema fish LC silverside mullet Chordata Teleostei Mulloidichthys martinicus fish LC yes yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC yes yellowfin goatfish Chordata Teleostei Myrophis punctatus fish LC yes Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogocephalus parvus fish LC yes finespotted jawfish Chordata Teleostei Ogocephalus parvus fish LC yes finespotted jawfish | | | | | | | 3 |
| Chordata Teleostei Mugil capurrii fish LC yes Chordata Teleostei Mugil cephalus fish LC grey mullet, muge Chordata Teleostei Mugil curema fish LC silverside mullet Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC yes yellowfin goatfish Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes vellowfish black grouper Chordata Teleostei Ocyurus chrysurus fish LC yes plack gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes roughback batfish Chordata Teleostei Ogococephalus parvus fish LC yes finespotted jawfish | | | | | | | |
| Chordata Teleostei Mugil cephalus fish LC grey mullet, muge Chordata Teleostei Mugil curema fish LC silverside mullet Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes ves Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes roughback batfish Chordata Teleostei Ogcocephalus parvus fish LC yes finespotted jawfish Chordata Teleostei Ogistognathus punctatus fish LC yes finespotted jawfish | | | | | | | spaghetti eel |
| Chordata Teleostei Mugil curema fish LC silverside mullet Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes roughback batfish Chordata Teleostei Ogcocephalus parvus fish LC yes finespotted jawfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | | | | yes | |
| Chordata Teleostei Mulloidichthys martinicus fish LC yellow goatfish Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | | | | | |
| Chordata Teleostei Mulloidichthys vanicolensis fish LC yes yellowfin goatfish Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogoccephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | 3 | | | | |
| Chordata Teleostei Mycteroperca bonaci fish NT black grouper Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish LC yes ves veroughback batfish Chordata Teleostei Ogoccephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | | Mulloidichthys martinicus | | | | yellow goatfish |
| Chordata Teleostei Myrophis punctatus fish LC speckled worm eel Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Ogsocephalus parvus fish LC yes finespotted jawfish | Chordata | Teleostei | Mulloidichthys vanicolensis | fish | | yes | yellowfin goatfish |
| Chordata Teleostei Neoniphon aurolineatus fish LC yes Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | Teleostei | Mycteroperca bonaci | fish | NT | | black grouper |
| Chordata Teleostei Neoniphon vexillarium fish Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | Teleostei | Myrophis punctatus | fish | LC | | speckled worm eel |
| Chordata Teleostei Nes longus fish LC orangespotted goby Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | Teleostei | Neoniphon aurolineatus | fish | LC | yes | |
| Chordata Teleostei Nesiarchus nasutus fish LC yes black gemfish Chordata Teleostei Ocyurus chrysurus fish DD yellowtail snapper Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | Teleostei | Neoniphon vexillarium | fish | | | |
| ChordataTeleosteiOcyurus chrysurusfishDDyellowtail snapperChordataTeleosteiOgcocephalus parvusfishLCyesroughback batfishChordataTeleosteiOpistognathus punctatusfishLCyesfinespotted jawfish | Chordata | Teleostei | Nes longus | fish | LC | | orangespotted goby |
| ChordataTeleosteiOcyurus chrysurusfishDDyellowtail snapperChordataTeleosteiOgcocephalus parvusfishLCyesroughback batfishChordataTeleosteiOpistognathus punctatusfishLCyesfinespotted jawfish | Chordata | Teleostei | Nesiarchus nasutus | fish | LC | ves | black gemfish |
| Chordata Teleostei Ogcocephalus parvus fish LC yes roughback batfish Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | Chordata | Teleostei | | fish | DD | , | • |
| Chordata Teleostei Opistognathus punctatus fish LC yes finespotted jawfish | | | | | | ves | • |
| | | | | | | | |
| Chordata releoster Oxyunchthys shqimalophius IISN LC Ves Sdothin Gody | Chordata | Teleostei | Oxyurichthys stigmalophius | fish | LC | ves | spotfin goby |
| Chordata Teleostei Paraclinus fasciatus fish LC banded blenny | | | | | | J - | |
| Chordata Teleostei Parexocoetus brachypterus fish yes sailfin flyingfish | | | | | | ves | • |
| Chordata Teleostei Pelates quadrilineatus fish ves fourlined terapon | | | | | | | , , |
| Chordata Teleostei Pempheris schomburgkii fish LC glassy sweeper | | | • | | 1.0 | ycs | · |
| Chordata Teleostei Phaeoptyx conklini fish LC freckled cardinalfish | | | | | | | 9 , , |

| phylum | class | species | group | category | new | vernacular |
|----------|------------|----------------------------------------------------|-------|----------|------|--------------------------------------|
| Chordata | Teleostei | Phaeoptyx pigmentaria | fish | LC | | dusky cardinalfish |
| Chordata | Teleostei | Phaeoptyx xenus | fish | LC | | sponge cardinalfish |
| Chordata | Teleostei | Planiliza macrolepis | fish | LC | yes | |
| Chordata | Teleostei | Platybelone argalus | fish | LC | - | keeltail needlefish |
| Chordata | Teleostei | Plicomugil labiosus | fish | | yes | |
| Chordata | Teleostei | Poecilia sphenops | fish | LC | ves | Mexican molly |
| Chordata | Teleostei | Pomacanthus arcuatus | fish | LC | , , | gray angelfish |
| Chordata | Teleostei | Pomacanthus paru | fish | LC | | French angelfish |
| Chordata | Teleostei | Priolepis hipoliti | fish | LC | | rusty goby |
| Chordata | Teleostei | Pristipomoides argyrogrammicus | fish | ĹĊ | ves | ornate jobfish |
| Chordata | Teleostei | Pristipomoides macrophthalmus | fish | LC | yes | cardinal snapper |
| Chordata | Teleostei | Pseudupeneus maculatus | fish | LC | , 00 | spotted goatfish |
| Chordata | Teleostei | Pterois volitans | fish | LC | | red lionfish |
| Chordata | Teleostei | Salmo salar | fish | LR/Ic | ves | Atlantic salmon, saumon d'Atlantique |
| Chordata | Teleostei | Sargocentron bullisi | fish | LC | ves | deepwater squirrelfish |
| Chordata | Teleostei | Sargocentron bunisi Sargocentron punctatissimum | fish | LC | ves | speckled squirrelfish |
| Chordata | Teleostei | Scarus iseri | fish | LC | yes | · |
| | Teleostei | | | LC | | striped parrotfish |
| Chordata | | Scarus taeniopterus | fish | | | princess parrotfish |
| Chordata | Teleostei | Scarus vetula | fish | LC | | queen parrotfish |
| Chordata | Teleostei | Scomberomorus cavalla | fish | LC | | cavalla, thazard barré |
| Chordata | Teleostei | Scomberomorus maculatus | fish | LC | yes | Spanish mackerel |
| Chordata | Teleostei | Scombrolabrax heterolepis | fish | LC | yes | longfin escolar |
| Chordata | Teleostei | Scorpaena bergii | fish | LC | | goosehead scorpionfish |
| Chordata | Teleostei | Scorpaena grandicornis | fish | LC | | plumed scorpionfish |
| Chordata | Teleostei | Selar crumenophthalmus | fish | LC | | bigeye scad |
| Chordata | Teleostei | Seriola rivoliana | fish | LC | yes | Almaco jack, sériole limon |
| Chordata | Teleostei | Serranus baldwini | fish | LC | | lantern bass |
| Chordata | Teleostei | Sparisoma atomarium | fish | LC | | greenblotch parrotfish |
| Chordata | Teleostei | Sparisoma aurofrenatum | fish | LC | | redband parrotfish |
| Chordata | Teleostei | Sparisoma axillare | fish | DD | yes | |
| Chordata | Teleostei | Sparisoma chrysopterum | fish | LC | | redtail parrotfish |
| Chordata | Teleostei | Sparisoma radians | fish | LC | | bucktooth parrotfish |
| Chordata | Teleostei | Sparisoma rubripinne | fish | LC | | redfin parrotfish |
| Chordata | Teleostei | Sparisoma viride | fish | LC | | stoplight parrotfish |
| Chordata | Teleostei | Sphoeroides annulatus | fish | LC | yes | bullseye puffer |
| Chordata | Teleostei | Sphoeroides parvus | fish | LC | yes | least puffer |
| Chordata | Teleostei | Sphoeroides spengleri | fish | LC | | bandtail puffer |
| Chordata | Teleostei | Sphoeroides testudineus | fish | LC | | checkered puffer |
| Chordata | Teleostei | Sphyraena barracuda | fish | LC | | great barracuda |
| Chordata | Teleostei | Spratelloides delicatulus | fish | LC | yes | delicate round herring |
| Chordata | Teleostei | Sprattus sprattus | fish | LC | yes | European sprat, sprat |
| Chordata | Teleostei | Starksia lepicoelia | fish | LC | , | blackcheek blenny |
| Chordata | Teleostei | Starksia ocellata | fish | LC | ves | checkered blenny |
| Chordata | Teleostei | Starksia weigti | fish | LC | , 55 | |
| Chordata | Teleostei | Stathmonotus stahli | fish | LC | | eelgrass blenny |
| Chordata | Teleostei | Stegastes adustus | fish | LC | | dusky damselfish |
| Chordata | Teleostei | Stegastes addstus Stegastes diencaeus | fish | LC | | longfin damselfish |
| Chordata | Teleostei | Stegastes dieneaeus Stegastes leucostictus | fish | LC | | beaugregory |
| Chordata | Teleostei | Stegastes partitus | fish | LC | | bicolor damselfish |
| Chordata | Teleostei | Stegastes planifrons | fish | LC | | threespot damselfish |
| CHOIDALA | i eleostei | Stegastes planiffolis | 11211 | LC | | nineespot damsemsn |

| phylum | class | species | group | category | new | vernacular |
|----------|-----------|----------------------------|------------|----------|------|---------------------------|
| Chordata | Teleostei | Stephanolepis hispida | fish | | | |
| Chordata | Teleostei | Stephanolepis setifer | fish | LC | | pygmy filefish |
| Chordata | Teleostei | Strongylura notata | fish | LC | | redfin needlefish |
| Chordata | Teleostei | Strongylura timucu | fish | LC | | timucu |
| Chordata | Teleostei | Syngnathus caribbaeus | fish | LC | | Caribbean pipefish |
| Chordata | Teleostei | Syngnathus floridae | fish | LC | | dusky pipefish |
| Chordata | Teleostei | Synodus synodus | fish | LC | | red lizardfish |
| Chordata | Teleostei | Thalassoma bifasciatum | fish | LC | | bluehead |
| Chordata | Teleostei | Tigrigobius macrodon | fish | LC | yes | |
| Chordata | Teleostei | Tigrigobius pallens | fish | LC | , | |
| Chordata | Teleostei | Tigrigobius saucrus | fish | LC | | |
| Chordata | Teleostei | Tomicodon reitzae | fish | LC | yes | |
| Chordata | Teleostei | Trachinotus carolinus | fish | LC | ves | pompano |
| Chordata | Teleostei | Trachinotus falcatus | fish | LC | , | permit |
| Chordata | Teleostei | Tylosurus acus | fish | LC | | agujon needlefish |
| Chordata | Teleostei | Tylosurus crocodilus | fish | LC | | houndfish |
| Chordata | Teleostei | Xyrichtys novacula | fish | LC | | pearly razorfish |
| Chordata | Teleostei | Xyrichtys splendens | fish | LC | | green razorfish |
| Chordata | releaster | Eretmochelys imbricata | turtles | CR | | hawksbill turtle, caret |
| Cnidaria | Anthozoa | Agaricia agaricites | cnidarians | VU | | lettuce coral |
| Cnidaria | Anthozoa | Antillogorgia bipinnata | cnidarians | VO | | lettuce corai |
| Cnidaria | Anthozoa | Briareum asbestinum | cnidarians | | | corky sea finger |
| Cnidaria | Anthozoa | Eunicea flexuosa | cnidarians | | | Corky sea iniger |
| Cnidaria | Anthozoa | Exaiptasia diaphana | cnidarians | | | |
| Cnidaria | Anthozoa | Goniastrea retiformis | cnidarians | LC | V/05 | lesser star coral |
| Cnidaria | Anthozoa | Gorgonia mariae | cnidarians | LC | yes | lesser star corar |
| | | Helioseris cucullata | | CR | | sunray lettuce-leaf coral |
| Cnidaria | Anthozoa | | cnidarians | LC | | |
| Cnidaria | Anthozoa | Montastraea cavernosa | cnidarians | LC | | false knob coral |
| Cnidaria | Anthozoa | Muriceopsis flavida | cnidarians | EN. | | bottle-brush coral |
| Cnidaria | Anthozoa | Orbicella annularis | cnidarians | EN | | |
| Cnidaria | Anthozoa | Orbicella faveolata | cnidarians | EN | | |
| Cnidaria | Anthozoa | Pseudodiploria strigosa | cnidarians | CR | | brain coral |
| Cnidaria | Anthozoa | Siderastrea siderea | cnidarians | CR | | massive starlet coral |
| Cnidaria | Anthozoa | Stephanocoenia intersepta | cnidarians | NT | | blushing star coral |
| Cnidaria | Anthozoa | Stylophora pistillata | cnidarians | NT | yes | hood coral |
| Cnidaria | Hydrozoa | Abylopsis eschscholtzii | cnidarians | | | |
| Cnidaria | Hydrozoa | Agalma okenii | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Aglaophenia latecarinata | cnidarians | | | |
| Cnidaria | Hydrozoa | Aglaura hemistoma | cnidarians | | yes | American pipit |
| Cnidaria | Hydrozoa | Campanularia hincksii | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Clytia gracilis | cnidarians | | | |
| Cnidaria | Hydrozoa | Clytia hemisphaerica | cnidarians | | | |
| Cnidaria | Hydrozoa | Clytia linearis | cnidarians | | | |
| Cnidaria | Hydrozoa | Clytia noliformis | cnidarians | | | |
| Cnidaria | Hydrozoa | Diphyes bojani | cnidarians | | | |
| Cnidaria | Hydrozoa | Diphyes dispar | cnidarians | | | |
| Cnidaria | Hydrozoa | Forskalia edwardsii | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Halistemma rubrum | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Halopteris alternata | cnidarians | | | |
| Cnidaria | Hydrozoa | Kirchenpaueria halecioides | cnidarians | | | |

| phylum | class | species | group | category | new | vernacular |
|---------------|-------------------|-----------------------------------------|-------------|----------|------------|-------------------------------------------------|
| Cnidaria | Hydrozoa | Laodicea undulata | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Larsonia pterophylla | cnidarians | | | |
| Cnidaria | Hydrozoa | Lensia campanella | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Lilyopsis fluoracantha | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Liriope tetraphylla | cnidarians | | | |
| Cnidaria | Hydrozoa | Millepora alcicornis | cnidarians | VU | | fire coral |
| Cnidaria | Hydrozoa | Nanomia bijuga | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Nemalecium lighti | cnidarians | | - | |
| Cnidaria | Hydrozoa | Obelia dichotoma | cnidarians | | | sea thread hydroid |
| Cnidaria | Hydrozoa | Ralpharia gorgoniae | cnidarians | | yes | , |
| Cnidaria | Hydrozoa | Rhizophysa filiformis | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Solmundella bitentaculata | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Sphaerocoryne bedoti | cnidarians | | , | |
| Cnidaria | Hydrozoa | Sphaeronectes koellikeri | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Stauridiosarsia nipponica | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Zancleopsis dichotoma | cnidarians | | yes | |
| Cnidaria | Scyphozoa | Nausithoe punctata | cnidarians | | | crown jellyfish |
| Cryptophyta | Cryptophyceae | Hemiarma marina | Cilidarians | | yes | Crown Jenynan |
| Ctenophora | Tentaculata | Bolinopsis vitrea | cnidarians | | yes | |
| Ctenophora | Tentaculata | Bolinopsis vitrea | cnidarians | | - | |
| Ctenophora | Tentaculata | Ocyropsis crystallina | cnidarians | | yes yes | ocyroé cristalline |
| Ctenophora | Tentaculata | Vallicula multiformis | cnidarians | | - | ocyroe cristalline |
| Echinodermata | Asteroidea | Astropecten articulatus | echinoderms | | yes | |
| Echinodermata | Asteroidea | Oreaster reticulatus | | | yes | |
| | Echinoidea | | echinoderms | | | sea biscuit |
| Echinodermata | | Clypeaster rosaceus | echinoderms | | | |
| Echinodermata | Echinoidea | Diadema antillarum | echinoderms | | | spiny urchin |
| Echinodermata | Echinoidea | Echinometra viridis | echinoderms | | | reef urchin |
| Echinodermata | Echinoidea | Lytechinus variegatus | echinoderms | | | |
| Echinodermata | Echinoidea | Lytechinus williamsi | echinoderms | | | |
| Echinodermata | Holothuroidea | Euapta lappa | echinoderms | | | |
| Echinodermata | Holothuroidea | Holothuria (Halodeima) mexicana | echinoderms | | | donkey dung sea cucumber |
| Echinodermata | Holothuroidea | Holothuria (Thymiosycia) impatiens | echinoderms | | | |
| Echinodermata | Holothuroidea | Leptosynapta tenuis | echinoderms | | yes | slender footless sea cucumber, holothurie grêle |
| Echinodermata | Ophiuroidea | Amphipholis squamata | echinoderms | | | dwarf brittle star |
| Echinodermata | Ophiuroidea | Ophiactis savignyi | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiocoma echinata | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophioderma appressum | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophioderma cinereum | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiomastix wendtii | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophionereis olivacea | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophionereis reticulata | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiothrix (Acanthophiothrix) suensonii | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiothrix (Ophiothrix) angulata | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiothrix (Ophiothrix) oerstedii | echinoderms | | | |
| Gastrotricha | | Urodasys calicostylis | | | yes | |
| Haptophyta | Coccolithophyceae | Chrysochromulina tobinii | algae | | yes | |
| Haptophyta | Coccolithophyceae | Emiliania huxleyi | algae | | yes | |
| Haptophyta | Coccolithophyceae | Phaeocystis globosa | algae | | yes | |
| Hemichordata | Enteropneusta | Ptychodera flava | <u> </u> | | yes | Hawaiian acorn worm |
| Mollusca | Bivalvia | Anadara notabilis | molluscs | | , | eared ark |

| phylum | class | species | group | category | new | vernacular |
|----------|-------------|----------------------------------------|----------------------|----------|------|-----------------------------------------------------------------------------------------------------------------|
| Mollusca | Bivalvia | Chione subimbricata | molluscs | | yes | stepped venus |
| Mollusca | Bivalvia | Codakia orbicularis | molluscs | | | |
| Mollusca | Bivalvia | Gastrochaena ovata | molluscs | | yes | |
| Mollusca | Bivalvia | Laevicardium serratum | molluscs | | yes | |
| Mollusca | Bivalvia | Limaria pellucida | molluscs | | - | |
| Mollusca | Bivalvia | Papyridea crockeri | molluscs | | yes | |
| Mollusca | Bivalvia | Pinna carnea | molluscs | | , | amber penshell |
| Mollusca | Bivalvia | Scissula similis | molluscs | | | • |
| Mollusca | Bivalvia | Spondylus tenuis | molluscs | | yes | |
| Mollusca | Cephalopoda | Abralia redfieldi | molluscs | LC | yes | |
| Mollusca | Cephalopoda | Abralia veranyi | molluscs | LC | ves | Verany's enope squid |
| Mollusca | Cephalopoda | Octopus briareus | molluscs | LC | , | Caribbean reef octopus |
| Mollusca | Cephalopoda | Octopus hummelincki | molluscs | | | bumblebee octopus |
| Mollusca | Cephalopoda | Octopus taganga | molluscs | | ves | zamzieże eccepus |
| Mollusca | Gastropoda | Agathistoma fasciatum | molluscs | | yes | |
| Mollusca | Gastropoda | Aliger gigas | molluscs | | | |
| Mollusca | Gastropoda | Aplysia dactylomela | molluscs | | | large-spotted sea hare |
| Mollusca | Gastropoda | Aplysia daetylomeia Aplysia parvula | molluscs | | ves | dwarf sea hare, petit lièvre de mer |
| Mollusca | Gastropoda | Arene cruentata | molluscs | | yes | dwart sea flate, petit flevie de fflet |
| Mollusca | Gastropoda | Bulla occidentalis | molluscs | | V/05 | |
| Mollusca | Gastropoda | Bulla striata | molluscs | | yes | common Atlantic bubble |
| Mollusca | Gastropoda | | molluscs | | | Common Atlantic bubble |
| | • | Calliostoma jujubinum | | | | |
| Mollusca | Gastropoda | Camachoaglaja berolina | molluscs molluscs | | yes | |
| Mollusca | Gastropoda | Camachoaglaja mariagordae | | | yes | المارية |
| Mollusca | Gastropoda | Cerithium atratum | molluscs | | | dark cerith |
| Mollusca | Gastropoda | Cerithium eburneum | molluscs | | | ivory cerith |
| Mollusca | Gastropoda | Cerithium guinaicum | molluscs | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Mollusca | Gastropoda | Cerithium litteratum | molluscs | | | stocky cerith |
| Mollusca | Gastropoda | Cerithium lutosum | molluscs | | | dwarf Atlantic cerith |
| Mollusca | Gastropoda | Chelidonura alisonae | molluscs | | yes | |
| Mollusca | Gastropoda | Chelidonura hirundinina | molluscs | | yes | |
| Mollusca | Gastropoda | Columbella mercatoria | molluscs | | | common dove shell |
| Mollusca | Gastropoda | Corolla spectabilis | molluscs | | yes | |
| Mollusca | Gastropoda | Creseis acicula | molluscs | | | |
| Mollusca | Gastropoda | Creseis conica | molluscs | | | |
| Mollusca | Gastropoda | Cuvierina atlantica | molluscs | | | |
| Mollusca | Gastropoda | Diacavolinia longirostris | molluscs | | yes | |
| Mollusca | Gastropoda | Elysia buonoi | molluscs | | yes | |
| Mollusca | Gastropoda | Elysia cornigera | molluscs | | | |
| Mollusca | Gastropoda | Elysia velutinus | molluscs | | yes | |
| Mollusca | Gastropoda | Eoacmaea pustulata | molluscs | | | |
| Mollusca | Gastropoda | Haminoea antillarum | molluscs | | yes | Antilles glassy-bubble |
| Mollusca | Gastropoda | Heliconoides inflatus | molluscs | | | |
| Mollusca | Gastropoda | Lampasopsis thomae | molluscs | | | |
| Mollusca | Gastropoda | Limenandra nodosa | molluscs | | | |
| Mollusca | Gastropoda | Lithopoma americanum | molluscs | | | American starsnail |
| Mollusca | Gastropoda | Littoraria angulifera | molluscs | LC | | |
| Mollusca | Gastropoda | Modulus modulus | molluscs | | | Atlantic modulus |
| Mollusca | Gastropoda | Naria acicularis | molluscs | | | |
| Mollusca | Gastropoda | Petaloconchus keenae | molluscs | | yes | |

| phylum | class | species | group | category | new | vernacular |
|----------------------|-----------------------|----------------------------------------|-------------|----------|------------|--------------------------------------------|
| Mollusca | Gastropoda | Philinopsis pusa | molluscs | | yes | |
| Mollusca | Gastropoda | Phrontis alba | molluscs | | | |
| Mollusca | Gastropoda | Pleurobranchus areolatus | molluscs | | yes | Atlantic sidegill slug |
| Mollusca | Gastropoda | Spinoaglaja petra | molluscs | | yes | |
| Mollusca | Gastropoda | Stylocheilus polyomma | molluscs | | yes | |
| Myzozoa | Dinophyceae | Amphidinium massartii | unicellular | | yes | |
| Myzozoa | Dinophyceae | Kryptoperidinium triquetrum | unicellular | | yes | |
| Myzozoa | Dinophyceae | Protoceratium reticulatum | unicellular | | yes | |
| Nemertea | Hoplonemertea | Tetrastemma herthae | worms | | yes | |
| Nemertea | Pilidiophora | Micrura chlorapardalis | worms | | | |
| Ochrophyta | Chrysoparadoxophyceae | Chrysoparadoxa australica | algae | | yes | |
| Ochrophyta | Dictyochophyceae | Octactis octonaria | algae | | yes | |
| Ochrophyta | Pelagophyceae | Aureococcus anophagefferens | algae | | yes | |
| Ochrophyta | Pelagophyceae | Pelagomonas calceolata | algae | | yes | |
| Ochrophyta | Phaeophyceae | Canistrocarpus cervicornis | algae | | , | |
| Ochrophyta | Phaeophyceae | Cladosiphon okamuranus | algae | | yes | |
| Ochrophyta | Phaeophyceae | Colpomenia sinuosa | algae | | , | |
| Ochrophyta | Phaeophyceae | Dictyota bartayresiana | algae | | | |
| Ochrophyta | Phaeophyceae | Dictyota ceylanica | algae | | yes | |
| Ochrophyta | Phaeophyceae | Dictyota friabilis | algae | | yes | |
| Ochrophyta | Phaeophyceae | Dictyota humifusa | algae | | | |
| Ochrophyta | Phaeophyceae | Dictyota mayae | algae | | yes | |
| Ochrophyta | Phaeophyceae | Dictyota mayac Dictyota pinnatifida | algae | | yes | |
| Ochrophyta | Phaeophyceae | Lobophora littlerorum | algae | | yes | |
| Ochrophyta | Phaeophyceae | Sargassum vulgare | algae | | yes | |
| Ochrophyta | Phaeophyceae | Turbinaria tricostata | algae | | ycs | |
| Ochrophyta | Pinguiophyceae | Pinguiococcus pyrenoidosus | algae | | V0C | |
| Ochrophyta | Raphidophyceae | Fibrocapsa japonica | algae | | yes yes | |
| Porifera | Demospongiae | Agelas clathrodes | • | | yes | orango elembant par chango |
| Porifera Porifera | | | sponges | | | orange elephant ear sponge blue bleeder |
| Porifera Porifera | Demospongiae | Aiolochroia crassa | sponges | | | blue bleeder |
| | Demospongiae | Biemna caribea | sponges | | | |
| Porifera | Demospongiae | Callyspongia (Callyspongia) fallax | sponges | | | |
| Porifera | Demospongiae | Callyspongia (Cladochalina) aculeata | sponges | | yes | |
| Porifera | Demospongiae | Callyspongia (Cladochalina) plicifera | sponges | | | |
| Porifera | Demospongiae | Chalinula molitba | sponges | | | |
| Porifera | Demospongiae | Cladocroce burapha | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Clathria) prolifera | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Clathria) unica | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Thalysias) abietina | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Thalysias) curacaoensis | sponges | | | |
| Porifera | Demospongiae | Clathria (Wilsonella) rugosa | sponges | | yes | |
| Porifera | Demospongiae | Cliona celata | sponges | | yes | boring sponge, clione jaune |
| Porifera | Demospongiae | Cliona tenuis | sponges | | yes | |
| Porifera | Demospongiae | Cliona yorkin | sponges | | yes | Yorkin Cliona |
| Porifera | Demospongiae | Cliothosa delitrix | sponges | | yes | |
| Porifera | Demospongiae | Coelocarteria bartschi | sponges | | | |
| Porifera | Demospongiae | Desmoxya pelagiae | sponges | | yes | |
| Porifera | Demospongiae | Dictyonella funicularis | sponges | | | |
| Porifera | Demospongiae | Ectyoplasia ferox | sponges | | | |
| Porifera | Demospongiae | Gelliodes wilsoni | sponges | | yes | |

| phylum | class | species | group | category | new | vernacular |
|------------|------------------|------------------------------------------|---------|----------|------|-----------------------------------------------------|
| Porifera | Demospongiae | Geodia gibberosa | sponges | | | white encrusting sponge |
| Porifera | Demospongiae | Geodia neptuni | sponges | | | |
| Porifera | Demospongiae | Halichondria (Halichondria) okadai | sponges | | yes | |
| Porifera | Demospongiae | Haliclona (Reniera) manglaris | sponges | | | |
| Porifera | Demospongiae | Haliclona (Reniera) tubifera | sponges | | | |
| Porifera | Demospongiae | Hemigellius pilosus | sponges | | yes | |
| Porifera | Demospongiae | Igernella notabilis | sponges | | yes | |
| Porifera | Demospongiae | Lissodendoryx (Lissodendoryx) flabellata | sponges | | yes | |
| Porifera | Demospongiae | Monanchora arbuscula | sponges | | | red-white marbled sponge |
| Porifera | Demospongiae | Mycale (Carmia) cecilia | sponges | | yes | |
| Porifera | Demospongiae | Neofibularia nolitangere | sponges | | yes | do-not-touch-me sponge |
| Porifera | Demospongiae | Niphates amorpha | sponges | | | |
| Porifera | Demospongiae | Niphates erecta | sponges | | | lavender rope sponge |
| Porifera | Demospongiae | Pandaros acanthifolium | sponges | | yes | |
| Porifera | Demospongiae | Petrosia (Petrosia) pellasarca | sponges | | - | |
| Porifera | Demospongiae | Phorbas plumosus | sponges | | yes | |
| Porifera | Demospongiae | Pione vastifica | sponges | | ves | boring sponge, clione rouge |
| Porifera | Demospongiae | Scopalina ruetzleri | sponges | | , | orange lumpy encrusting sponge |
| Porifera | Demospongiae | Spirastrella cunctatrix | sponges | | | encrusting orange sponge, éponge encroûtante orange |
| Porifera | Demospongiae | Spirastrella hartmani | sponges | | | 3 3 1 3 7 1 3 |
| Porifera | Demospongiae | Svenzea cristinae | sponges | | | |
| Porifera | Demospongiae | Svenzea zeai | sponges | | | |
| Porifera | Demospongiae | Tedania (Tedania) ignis | sponges | | | |
| Porifera | Demospongiae | Thoosa purpurea | sponges | | yes | |
| Porifera | Demospongiae | Topsentia ophiraphidites | sponges | | , | |
| Porifera | Demospongiae | Xestospongia muta | sponges | | | Caribbean barrel sponge |
| Porifera | Homoscleromorpha | Plakortis angulospiculatus | sponges | | | 3. |
| Porifera | Homoscleromorpha | Plakortis deweerdtaephila | sponges | | yes | |
| Porifera | Homoscleromorpha | Plakortis halichondrioides | sponges | | yes | |
| Rhodophyta | Florideophyceae | Acanthophora spicifera | algae | | , | |
| Rhodophyta | Florideophyceae | Amphiroa valonioides | algae | | yes | |
| Rhodophyta | Florideophyceae | Asparagopsis taxiformis | algae | | , | |
| Rhodophyta | Florideophyceae | Centroceras hyalacanthum | algae | | yes | |
| Rhodophyta | Florideophyceae | Champia hasselbringii | algae | | yes | |
| Rhodophyta | Florideophyceae | Chondria baileyana | algae | | yes | |
| Rhodophyta | Florideophyceae | Coelothrix irregularis | algae | | , | |
| Rhodophyta | Florideophyceae | Dasya collinsiana | algae | | yes | |
| Rhodophyta | Florideophyceae | Dasya spinuligera | algae | | yes | |
| Rhodophyta | Florideophyceae | Digenea arenahauriens | algae | | yes | |
| Rhodophyta | Florideophyceae | Galaxaura rugosa | algae | | , | |
| Rhodophyta | Florideophyceae | Ganonema farinosum | algae | | | |
| Rhodophyta | Florideophyceae | Gloiocladia iyoensis | algae | | yes | |
| Rhodophyta | Florideophyceae | Harveylithon munitum | algae | | yes | |
| Rhodophyta | Florideophyceae | Herposiphonia pecten-veneris | algae | | yes | |
| Rhodophyta | Florideophyceae | Herposiphonia secunda | algae | | yes | |
| Rhodophyta | Florideophyceae | Laurencia catarinensis | algae | | , | |
| Rhodophyta | Florideophyceae | Laurencia obtusa | algae | | yes | |
| Rhodophyta | Florideophyceae | Liagora nesophila | algae | | yes | |
| Rhodophyta | Florideophyceae | Lithophyllum corallinae | algae | | yes | |
| ouopinytu | Florideophyceae | Melanothamnus ferulaceus | algae | | , 00 | |

| phylum | class | species | group | category | new | vernacular |
|-----------------|-----------------|-----------------------------|-------|----------|-----|------------|
| Rhodophyta | Florideophyceae | Meredithia crenata | algae | | yes | |
| Rhodophyta | Florideophyceae | Neogoniolithon rhizophorae | algae | | yes | |
| Rhodophyta | Florideophyceae | Neogoniolithon spectabile | algae | | | |
| Rhodophyta | Florideophyceae | Palisada perforata | algae | | | |
| Rhodophyta | Florideophyceae | Ramicrusta textilis | algae | | yes | |
| Rhodophyta | Florideophyceae | Rhodachlya madagascarensis | algae | | yes | |
| Rhodophyta | Florideophyceae | Titanophycus validus | algae | | - | |
| Xenacoelomorpha | | Convolutriloba longifissura | | | yes | |