

Patterns of extinction risk and threat for marine vertebrates and habitat-forming species in the Tropical Eastern Pacific

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ABSTRACT: Marine conservation activities around the globe are largely undertaken in the absence of comprehensive species-specific information. To address this gap, complete regional species assemblages of major marine taxa are being progressively assessed against the Categories and Criteria of the International Union for the Conservation of Nature (IUCN) Red List of Threatened Species. The present study is the first analysis of entire major components of the biota of a large marine biogeographic region conducted in the Tropical Eastern Pacific (TEP). It is based on recently completed IUCN Red List assessments for all known species of bony and cartilaginous shorefishes, corals, mangroves, and seagrasses in the TEP. Twelve percent of the >1600 species assessed are in threatened categories, indicative of elevated extinction risk. Spatial analysis of all assessed taxonomic groups, including previous IUCN Red List assessments for seabirds, marine mammals, and marine turtles, highlights specific geographical areas of elevated threatened-species richness. The distribution of threatened species in the TEP is primarily linked to areas with high rates of overfishing, habitat loss, and increasing El Niño-Southern Oscillation (ENSO) event impacts, as well as oceanic islands with high stochastic risk factors for endemic species. Species assigned to the highest threat categories have life history traits that likely decrease their resilience to various regional and site-specific threats. Comprehensive information in the form of IUCN Red List assessments combined with spatial analysis will greatly help to refine both site- and species-specific marine conservation priorities in the TEP.

KEY WORDS: IUCN Red List · Tropical Eastern Pacific · Marine species · Extinction risk theory · Threatened species

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INTRODUCTION

Information on the geographical and habitat distributions of threatened species is often used to refine marine conservation priorities, through the designation of critical habitat or key biodiversity areas, no-take zones, and marine protected areas (MPAs); or to

support policies that regulate resource use (Rodrigues et al. 2006, Edgar et al. 2008a, 2008b, Hoffmann et al. 2008). However, marine conservation priorities have often been identified and acted on in the absence of comprehensive species-level information (Margules & Pressey 2000), as such data often do not exist or are difficult to collate. Among the >50 000

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species assessed over the past decade for the International Union for the Conservation of Nature (IUCN) Red List of Threatened Species (IUCN 2011a), only ~3% (<1500 species) are marine. These species mainly comprise seabirds, marine mammals, marine turtles, and a few select fishes. To address this assessment gap, >20000 marine species, including all marine fishes and primary habitat producers such as reef-building corals, seagrasses, and mangroves, are currently in the process of assessment using the IUCN (2001) Red List Categories and Criteria through the Global Marine Species Assessment (www.sci.odu.edu/gmsa/).

Recent marine species extinctions, although fewer than those documented for terrestrial species (Briggs 2011), currently include at least 20 global species (Dulvy et al. 2009) and >133 local populations (Dulvy et al. 2003). The most recent probable global extinction, where good pre- and post-extinction data exist, is considered to have occurred in the Tropical Eastern Pacific (TEP), with the disappearance during the 1982–83 El Niño-Southern Oscillation (ENSO) event of the endemic Galapagos damselfish *Azurina eupalama* (Dulvy et al. 2009, Edgar et al. 2011). Drastic recent declines have also been documented across several marine groups, including many populations of commercial marine fishes (Hutchings & Reynolds 2004, Worm et al. 2009), coral reef fishes (Wilson et al. 2006, Paddock et al. 2009), reef-building oysters (Beck et al. 2011), corals (Gardner et al. 2003, Pandolfi et al. 2003, Bruno & Selig 2007), and seagrasses (Waycott et al. 2009).

In light of these documented declines, and as more pressure is put on marine resources from overfishing, habitat loss, pollution, and invasive species (Halpern et al. 2008, Worm et al. 2009, Mora et al. 2011), an increasing need exists to identify marine species that are at highest risk of extinction (Dulvy et al. 2004, Graham et al. 2011) and how they are distributed in different regions. Additionally, understanding differential species vulnerability to major threats is needed for determining how species communities and ecosystems are likely to respond to one or more concurrent stressors (Vinebrooke et al. 2004).

Several studies have been conducted to determine the relative extinction risk for marine fishes based on combinations of life history and ecological traits, habitat specialization, or body size and age at maturation (Munday 2004, Cheung et al. 2005, Reynolds et al. 2005a, Graham et al. 2011). Relative extinction risk has also been estimated for coral species based on bleaching response and abundance (McClanahan et al. 2007). However, application of these alternative

techniques to assess extinction risk across multiple taxonomic clades is problematic due to the extreme variation in physiologies and life histories, and is therefore inefficient for prioritizing multi-taxa marine conservation targets.

The Categories and Criteria of the IUCN Red List (IUCN 2001) comprise the most widely accepted, standardized, quantitative system for classifying extinction risk at the species level (Butchart et al. 2005, De Grammont & Cuarón 2006, Rodrigues et al. 2006, Hoffmann et al. 2008). These criteria have been applied to an increasingly wide variety of terrestrial, freshwater, and marine species, including all the world's mammals (Schipper et al. 2008), amphibians (Stuart et al. 2004), birds (BirdLife International 2008), reef-building corals (Carpenter et al. 2008), mangroves (Polidoro et al. 2010), seagrasses (Short et al. 2011), tunas and billfishes (Collette et al. 2011), groupers (Sadovy de Mitcheson et al. in press), and a number of other vertebrate, invertebrate, and plant clades (Hilton-Taylor et al. 2009). IUCN Red List Criteria are based on extinction risk theory (Mace et al. 2008) and provide quantitative thresholds to rank a species' relative probability of extinction. In general, extinction risk increases with small population sizes or distributional ranges, high rates of decline (e.g. death rates are greater than birth rates), and large fluctuations in population size relative to growth rates (Mace et al. 2008). Some criteria are most relevant for species with small population sizes, which have inherently high extinction risk due to stochastic events and genetic effects. Others are more appropriate for species with large population sizes that are experiencing high rates of decline or large fluctuations. These require extinction risk to be defined by measures of the species' ability to recover relative to the persistence and frequency of the stressors driving the declines and fluctuations.

Critics of the IUCN Red List have questioned whether criteria that are used to assess terrestrial animals, plants, and freshwater fishes should be the same as for marine fishes (Musick 1999, Powles et al. 2000). However, a number of empirical analyses suggest that the extinction probabilities of marine fishes are unlikely to differ substantially from those of other taxa (Hutchings 2000, 2001a, 2001b, Sadovy 2001, Dulvy et al. 2003). Thus, questions related to how adequately thresholds for rates of decline used in the Red List Criteria to assign species to IUCN categories actually reflect the likelihood that a particular population or species will become extinct is better asked of all taxa rather than only of marine species (Hutchings & Reynolds 2004).

Additionally, rather than focusing simply on marine versus terrestrial, specific taxonomic analyses arguably provide more meaningful comparisons. For example, among the world's plants, approx. 16% of mangroves (Polidoro et al. 2010) and 14% of seagrasses (Short et al. 2011) are in threatened categories compared to approx. 35% of gymnosperms (Hilton-Taylor et al. 2009), the only complete clade of terrestrial plants assessed to date. Among mammals, approx. 36% of marine mammals are considered to be at elevated extinction risk compared to 25% of terrestrial mammals (Schipper et al. 2008). Of the approx. 10 000 marine and freshwater fishes assessed to date, approx. 30% of freshwater fishes and 15% of marine fishes are in threatened categories (IUCN 2011a). Among commercial fishes assessed to date, 11% of all tunas and billfishes are in threatened categories (Collette et al. 2011) as are 12% of the world's groupers (Sadovy de Mitcheson et al. in press). Successful assessment of each species group or clade through the Red List process often requires the development of unique definitions and interpretations in order to appropriately apply the IUCN Red List Criteria (Mace et al. 2008). Consequently, many of these relevant definitions and interpretations have been published for many taxa as they are globally assessed (e.g. Carpenter et al. 2008, Dulvy et al. 2008, Schipper et al. 2008, Polidoro et al. 2010, Collette et al. 2011, Short et al. 2011, Sadovy de Mitcheson et al. in press).

The present study is the first comprehensive Red List analysis conducted at the scale of a major marine biogeographic region, and it was performed with the marine fauna of the TEP. The TEP extends from southern Baja California through the Gulf of California and south to Peru, and includes 5 oceanic islands and archipelagos: the Revillagigedo Islands, Clipper-ton, Cocos, the Galapagos, and Malpelo islands (Robertson & Cramer 2009). The TEP is a unique and dynamic region separated from adjacent tropical marine regions by the Central American isthmus on the east, and the world's broadest deep water barrier (4000 to 5000 km wide) on the west. The region has a small continental shelf, is more strongly affected by the ENSO-driven temperature changes than any other tropical region, and has an abundance of large, seasonal coastal upwellings, a shallow thermocline (~50 m), relatively low salinity, and geographically highly variable rainfall (e.g. Glynn & Ault 2000).

In the TEP, 1342 new IUCN Red List assessments conducted between 2005 and 2009 are now available, comprising all known species of bony and cartilaginous shorefishes, reef-building corals, mangroves, and seagrasses. In addition, the 74 species of Galapagos-

endemic macroalgae have also been assessed. However, those results are not extensively discussed here because assessment is still needed for ~400 remaining macroalgal species that occur more widely through the TEP. Before these new data were available, IUCN Red List assessments were only available for 226 TEP species, mainly comprising seabirds, marine mammals, and marine turtles.

MATERIALS AND METHODS

Based on IUCN Red List methodology (IUCN 2001), species assessments were conducted from extensive input and collaboration with international and regional scientific experts, including members of the IUCN Species Survival Commission's Specialist Groups (IUCN 2011b). Data compilation and assessments were conducted in 9 taxonomically themed Red List assessment workshops held between 2005 and 2008 with the participation of >200 scientific experts. These covered all species known in each taxonomic group at the time. In each workshop, experts reviewed data on each species' taxonomy, distribution, population trends, ecology, life history, past and existing threats, and conservation actions to apply the IUCN Red List Criteria and assign each species a Red List Category. All species information and results of global Red List assessments are publicly available on the IUCN Red List of Threatened Species (IUCN 2011a). However, 85 of the non-endemic (e.g. circumtropical or Indo-Pacific) shorefishes have only been assessed regionally in the TEP. Although those results are included here, these TEP non-endemic assessments will not be published on the IUCN Red List until assessments of their global populations have been completed.

The IUCN Red List Categories comprise 8 levels of extinction risk: Extinct (EX), Extinct in the Wild (EW), Critically Endangered (CR), Endangered (EN), Vulnerable (VU), Near Threatened (NT), Least Concern (LC), and Data Deficient (DD). A species qualifies for 1 of the 3 'threatened' categories (CR, EN, or VU) by meeting the threshold for that category in 1 of 5 Criteria (A to E). These criteria form the real strength of the IUCN Red List as they are based on extinction risk theory (Mace et al. 2008) and provide a standardized methodology that can be applied consistently to any species from any taxonomic group such as tunas and billfishes (Collette et al. 2011), seagrasses (Short et al. 2011), mangroves (Polidoro et al. 2010), reef-building corals (Carpenter et al. 2008), mammals (Schipper et al. 2008), or amphibians (Stuart et al. 2004).

For example, Criterion A measures extinction risk based on exceeding a threshold of population decline (30 % for VU, 50 % for EN, and 80 % for CR) over a timeframe of 3 generations, a measure of reproductive turnover rate, in the recent past, and is generally applied to species with large or widespread populations. Criterion B measures extinction risk based on a small geographic range size (extent of occurrence <20 000 km² or area of occupancy <2000 km² to meet the lowest threshold for VU) combined with continued decline and habitat fragmentation. Criterion C is applied to species with small population sizes estimated to be <10 000 mature individuals, with continued decline. Criterion D is applied to species with <1000 mature individuals, or those with an area of occupancy of <20 km², or those that are found in <5 locations as defined by a threat. Criterion E is applied to species with extensive population information that allows for population declines to be appropriately modeled over time. Category NT is assigned to species that come close to but do not fully meet all the thresholds or conditions required for a threatened category under any of Criteria A to E, and Category LC is assigned if a species does not meet or come close to meeting any of the thresholds required of a threatened category.

All maps and related analyses, including number of species per country and endemism, were conducted in GIS, based on compiled species range maps. Original species range maps were obtained from a number of different sources (Spalding et al. 1997, Veron 2000, Green & Short 2003, Jefferson et al. 2007, Ridgely et al. 2007, BirdLife International 2008, Robertson & Allen 2008, SWOT 2009). All maps were reviewed and updated as necessary by IUCN Specialist Groups and at IUCN Red List Workshops. All species range maps used in our analyses were created based on polygons connecting known points of occurrence, with the exception of sea turtles, where only point locations of nesting sites were used.

To improve accuracy and to standardize analyses for near-shore species with relatively small ranges, a species polygon was cut to a 100 km shoreline buffer and maximum depth of 200 m if the species was found primarily above 200 m depth. This approach helped to improve the accuracy of analyses by standardizing species ranges and by excluding large

areas of open ocean, where only pelagic larval stages of shallow-water demersal species may occur. For analyses of species richness, all species polygons were analyzed using a 10 × 10 km square grid. This fine grid size was chosen to reduce over-estimation of ranges for small-range endemic species. Final maps were converted into a raster of 10 × 10 km cell size to provide visualization of geographical biodiversity patterns.

RESULTS AND DISCUSSION

Red List categorization

Of the 1642 species in the TEP that have now been assessed for the IUCN Red List (see the supplement at www.int-res.com/articles/suppl/m448p093_supp.pdf), 12 % (197 species) are in threatened categories (CR, EN, or VU). Marine turtles have the highest proportion of threatened species in the TEP (Fig. 1), with all 5 species present listed in 1 of the 3 threatened categories. Many of the habitat-producing groups also have a relatively high proportion of threatened species. Of these, 40 % (4 of 10 species) of mangroves, 25 % (1 in 4 species) of seagrasses, and 17 % (8 of 46 species) of reef-building corals are in threatened categories, as well as 20 % (15 of 74 species) of Galapagos-endemic macroalgae. Approx. 15 % (27 of 180 species) of cartilaginous fishes and 9 % (94 of 1102 species) of the bony fishes in the TEP are now listed in a threatened category, as are approx. 15 % (9 of 62 species) of marine mammals and 21 % (34 of 159 species) of seabirds.

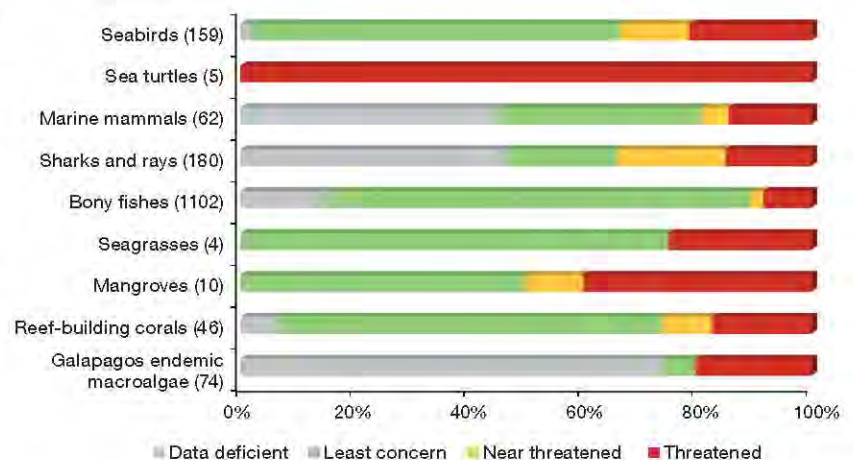


Fig. 1. Proportion of Tropical Eastern Pacific (TEP) species in IUCN Red List Categories for global assessments of major species groups. Numbers in parentheses refers to total number of species present in the TEP

Endemism

The TEP has one of the highest rates of regional endemism of near-shore fishes of any tropical area of the world: almost 90 % of bony fishes and 33 % of cartilaginous fishes are endemic to the TEP (Robertson & Cramer 2009). Further, 30 % of mangrove species and 17 % of reef-building coral species are endemic to the region (Glynn & Ault 2000). With only approx. 25 km² of structural coral reef in the TEP, mangroves—which are a major habitat feature on approx. one-third of the TEP coastline (Robertson & Allen 2008)—are by far the most dominant marine habitat-forming taxon.

Seabirds (20 %), marine mammals (11 %), and marine turtles (0 %) have relatively low regional endemism in the TEP. As the majority of species in these groups are widespread, pelagic, and/or highly migratory, areas of high threatened-species richness based on overlaps in the distributions of seabirds, marine mammals, and marine turtles primarily occur in the high seas and open ocean (Fig. 2A). The majority of globally threatened marine mammal species, for example, that occur in the TEP are found in temperate areas outside of the region (Schipper et al. 2008). Mar-

ine mammal and marine turtle populations are affected by a number of different historical and current threats throughout their global oceanic range, including fishery by-catch, entanglement in fishing gear, boat strikes, noise pollution from military and seismic sonar, loss of prey or other food sources due to poor fisheries management, and historical or current effects of hunting (Reynolds et al. 2005b, Schipper et al. 2008, Polidoro et al. 2009, Wallace et al. 2010a). As these larger-scale threats may not all occur in the TEP region or may be difficult to mitigate on a local scale, mitigation of threats at the site or regional level for the majority of seabirds, marine mammals, and marine turtles may be limited to protection of known breeding or nesting sites (Wallace et al. 2010b).

Spatial analyses

Excluding Galapagos-endemic macroalgae, spatial analyses of the threatened marine species now known in the TEP (e.g. all marine mammals, marine turtles, seabirds, fishes, corals, mangroves, and seagrasses) highlight specific near-shore areas of high threatened-species richness (Fig. 2B) which are

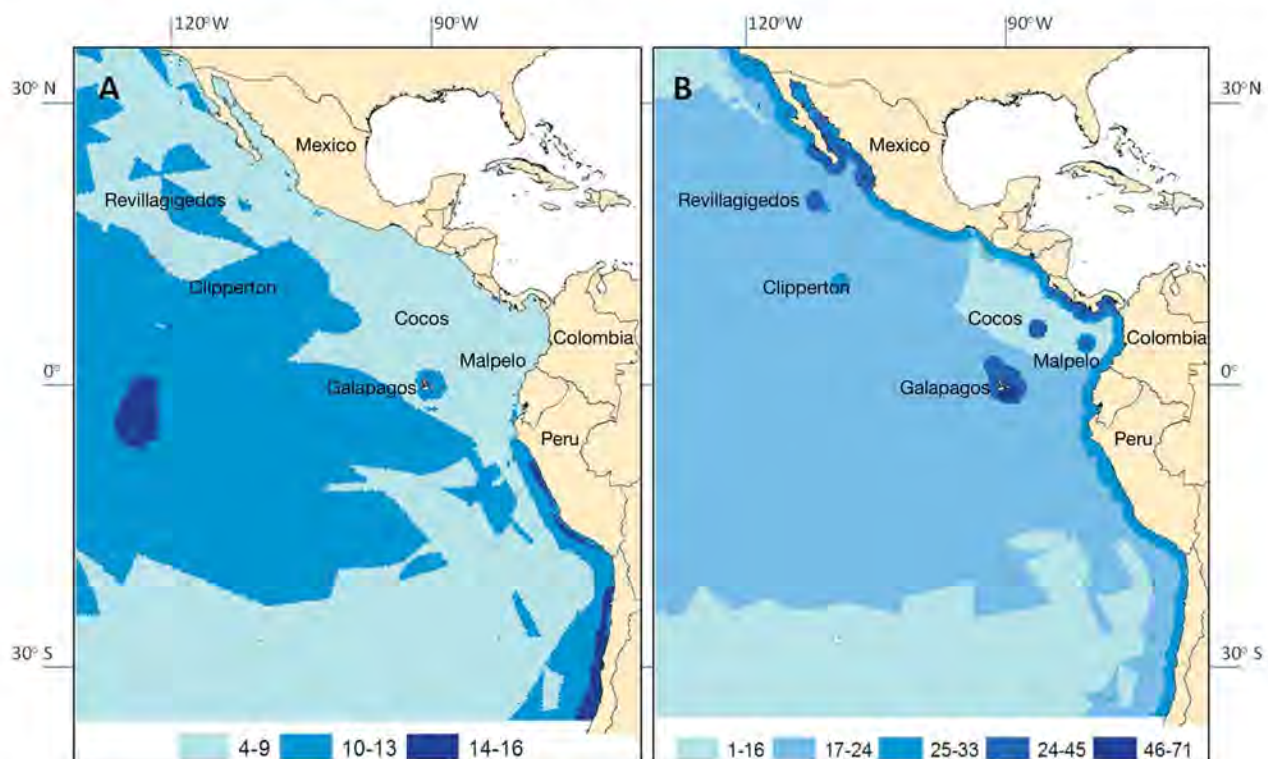


Fig. 2. Number of threatened species known in the Tropical Eastern Pacific (A) prior to 2008 (e.g. based on IUCN Red List Assessments for all seabirds, marine mammals, and marine turtles), and (B) as of 2010 (e.g. based on IUCN Red List Assessments for all seabirds, marine mammals, marine turtles, marine fishes, corals, mangroves, and seagrasses)

related to different types of threats to species populations. High numbers of threatened species in the lower Gulf of California and along the Pacific coast of southern Baja, Mexico, are driven by species population declines due to overfishing and destructive fishing techniques, and the loss of critical habitat due to expansion of shrimp fisheries, coastal development, and diversion of virtually all the flow of the Colorado River for agriculture in the USA (Páez-Osuna et al. 1998, Lluch-Cota et al. 2007). Mexico hosts the highest number of marine species assessed (1081) and the highest number of threatened species (82) in the TEP (Fig. 3).

Spatial analyses show overlaps among threatened shore fishes and primary habitat-producer species, such as in the mangrove ecosystems along the coast of Costa Rica and Panama. Four of the 10 mangrove species present in the TEP are threatened, primarily due to intensive coastal development and extraction (Jiménez 1994, Polidoro et al. 2010). The Costa Rican and Panamanian coasts show high threatened-species richness (Fig. 2B), likely because this area has the highest abundance of species in the TEP (Robertson & Cramer 2009). Among the 800 bony fishes that occur along this coastline, >100 are associated with mangrove habitat for at least a portion of their life stage (Robertson & Allen 2008). Four mangrove-associated bony fishes are in threatened categories. Two gobionids (*Gobulus birdsongi*, *Gobiosoma homochroma*) and one clingfish (*Tomicodon abuelorum*) are only known from a few mangrove areas, and are threatened by continued coastal development, pollution, and removal of mangrove habitat. The sea catfish *Notarius cookei*, listed as Category VU, is known from <5 estuarine and mangrove areas in Panama

and is exposed to severe threats from river and coastal pollution as well as indiscriminate gill-netting in rivers.

The offshore islands of Revillagigedo, Clipperton, Cocos, Malpelo, and the Galapagos have high numbers of threatened species as a result of their numerous island-endemic species with very restricted ranges (Robertson & Cramer 2009) that are affected by a combination of both anthropogenic and climate-induced threats. Approx. 14 % of species assessed from Clipperton (33 of 239 species), the Revillagigedos (51 of 377 species), and the Galapagos archipelago (71 of 527 species) are in threatened categories (Fig. 3), as are approx. 12 % from Malpelo (41 of 341 species), and 11 % from Cocos (46 of 405 species).

Clipperton is the only coral atoll in the TEP, contains the largest coral reef in the region, and is the only TEP location where all shallow habitat is produced by corals. The high proportion of threatened species, a very small area of shallow shoreline habitat (~4 km²), and current lack of MPAs make the marine fauna of this tiny island uniquely vulnerable. This atoll is administered by the French Polynesian government in Tahiti, which only supports occasional, brief visits by its personnel, effectively eliminating any management or protection capacity. In contrast, all the other offshore islands in the TEP are entirely within MPAs. The Galapagos archipelago, which is surrounded by an MPA for a distance of 40 nautical miles offshore, has the second highest number of threatened species in the TEP after Mexico, and provides 95 % of the insular shelf habitat in the TEP. Of the 71 threatened species that occur in the Galapagos, approx. half (34 species) are bony fishes with small geographic ranges that are threatened by overfishing or major oceanographic environmental changes arising from the

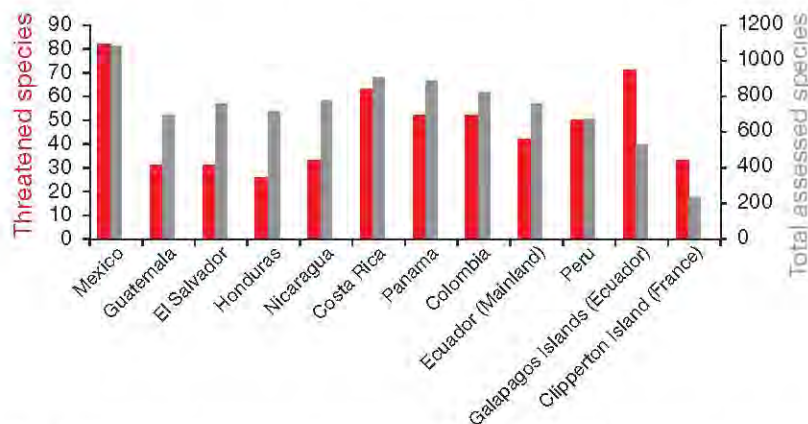


Fig. 3. Number of threatened species (red bar) and total number of species assessed (gray bar) within each country's Exclusive Economic Zone in the Tropical Eastern Pacific

increasing frequency, intensity, and duration of El Niño events (Grove 1985, Glynn 2000, Glynn & Ault 2000, Chen et al. 2004, Edgar et al. 2010). The proportional abundance of threatened species off the coast of the 10 countries with continental shoreline are lower than those surrounding the oceanic islands of the TEP, ranging from 4 to 8 %. These differences illustrate the vulnerability of island marine faunas. Studies are currently underway to identify fine-scale sites of global biodiversity conservation significance in the Galapagos and TEP (Edgar et al. 2008a,b).

Critically Endangered species

Species assigned to the highest threat categories have particular biological or ecological traits that provide poor adaptation to regional or site-specific threats. Four seabirds endemic to the TEP are listed as CR, the IUCN's highest threat category, 3 of which were assessed under either Criterion B or D due to their very restricted breeding areas and associated population declines caused by predation of nests or by incidental capture in fisheries (IUCN 2011a): Guadalupe storm-petrel *Oceanodroma macrodactyla* (possibly already extinct), waved albatross *Phoebastria irrorata*, and Townsend's shearwater *Puffinus auricularis*. Galapagos petrel *Pterodroma phaeopygia*, assessed as Category CR under Criterion A, has undergone extreme declines over the past 60 yr primarily due to heavy predation of nests by introduced cats, dogs, and pigs (IUCN 2011a). The vaquita dolphin *Phocoena sinus* is the only Category CR marine mammal in the TEP. Assessed under both Criteria A and C, this species has a total global population estimated to be <250 mature individuals, with catastrophic population decline primarily attributed to excessive incidental capture in gillnets in the northern Gulf of California (Rojas-Bracho et al. 2006).

Two marine turtles present in the TEP, the leatherback *Dermochelys coriacea* and the hawksbill *Eretmochelys imbricata*, have been globally assessed under Criterion A as Category CR. These long-lived species have experienced significant population declines in the past due to multiple threats to all stages of their life cycles, including loss of critical coastal nesting habitat, egg predation, targeted capture in small-scale subsistence fisheries, and by-catch (largely by long line and trawling activities). Both of these species have several significant sites for nesting along the mainland coast of the TEP.

Six endemic bony fishes in the TEP are listed as Category CR. Four of these species were assessed under Criterion B, as they have very small distributions and are declining due to extensive habitat loss from coastal development and pollution (*Paraclinus walkeri* in Mexico, *Gobulus birdsongi* in Panama, *Sciaena callaensis* in Peru), or due to oceanographic environmental changes associated with increased ENSO cycle activity (*Azurina eupalama* in the Galapagos, listed as Category CR but quite possibly Category EX). Two other Category-CR endemic bony fishes found primarily in Mexico were assessed under Criterion A: *Totoaba macdonaldi*, which is endemic to the Gulf of California, and *Stereolepis gigas*, which also occurs in California. Both species have limited ability

to cope with severe overfishing because they are large desirable food fishes, are relatively long-lived, and have spawning aggregations that are targeted by fishers (Barrera Guevara 1990). The *T. macdonaldi* population has also apparently been catastrophically affected by loss of spawning grounds dependent on flow from the Colorado River (Rowell et al. 2008). Rapid declines of the 2 Category-CR coral species (*Millepora boschmai* and *Siderastrea glynni*) in the TEP assessed under Criterion B have been linked to low resilience to ENSO-induced bleaching and disease following extensive coastal development, coral extraction, and pollution within their restricted ranges in Panama (Glynn & De Weerd 1991, Fenner 2001, Maté 2003).

Data Deficient species

Species assigned to the DD category may also be of conservation concern, and should be a priority for further research. A species is listed as DD if there are insufficient data to apply the Red List Criteria. This can apply to species that need taxonomic clarification, or that are only known from a few specimens. In some cases, relatively well-known species are listed as DD when significant threats are known but cannot be adequately quantified. Almost 75 % of Galapagos-endemic macroalgae are listed as DD, primarily because many species have not been well studied and are only known from a few sites or are difficult to identify. As a result, little is known on their population size or trends, or on the impact of potential threats such as habitat warming from increased ENSO events. Approx. 45 % of marine mammals and cartilaginous fishes in the TEP have been categorized as DD, primarily due to a lack of life history or population information needed to quantify the impact of known threats to these species. Many of those species spend long periods of time offshore and/or are highly migratory, which makes it difficult to conduct studies on population status or reproductive biology. Almost half of the 16 % of bony fishes that are categorized as DD are heavily fished but lack reliable catch statistics and demographic information. Some of these commercial fishes likely will qualify in the future for a threatened category as better data on species biology, the history of fisheries landings or stock biomass, and catch per unit effort (CPUE) become available.

Of particular concern among the bony fishes is the Pacific goliath grouper *Epinephelus quinquefasciatus*. This TEP-endemic species was recently con-

firmed as being distinct from its trans-Atlantic sibling species *E. itajara* (Craig et al. 2009). *E. itajara* has been listed as Category CR since 1996 due to over-fishing. Although west Atlantic populations are showing some signs of recovery, notably in the southern USA due to a moratorium on fishing proposed in 1990, a listing of CR has been maintained until this species can be reassessed (likely in the next 5 yr). As catch landings data across the TEP for groupers are often lumped into a single category, there are very few species-specific data on population trends for *E. quinquefasciatus*. However, severe population reductions are suspected due to intensive fishing over the past 3 decades. Sala et al. (2004) found an increase in catch and CPUE for this species in the Gulf of California between 1960 and 1980, followed by a rapid decline, with both landings and CPUE close to zero since the 1990s. There is no reason to suspect that the situation is different anywhere else in the TEP, as *E. quinquefasciatus* is a large, commercially valuable food-fish that likely matures at a large size (*E. itajara* matures at 1 m length). A near absence of recent records indicates that the situation for the Pacific goliath grouper is probably considerably worse than for its sister species in the Caribbean, which has been provided relief through a long-standing fishing moratorium in a significant proportion of its range. At present *E. quinquefasciatus* is listed as DD, and better information on its population status, including landings, catch effort data, and biomass across its range in the TEP, are urgently needed.

Major threats to species in threatened categories

Oceanographic environmental changes, such as increased water temperatures and decreased productivity that are associated with an increasing duration and frequency of ENSO events in the TEP (Boer et al. 2004), is the major identified threat affecting the highest number of species listed in threatened categories across all taxonomic groups (Fig. 4). Almost 80% (72 of 91 species) of bony fishes listed in threatened categories were considered to be negatively impacted by increasing ENSO events. All of these fishes are very small-ranging, primarily island endemics that are found in relatively shallow waters or within a narrow depth zone. Several marine mammals are also threatened by ENSO events, including Galapagos fur seals *Arctocephalus galapagoensis* (listed as Category EN), which have experienced declines from El Niño-caused ocean warming and up to 80% associated

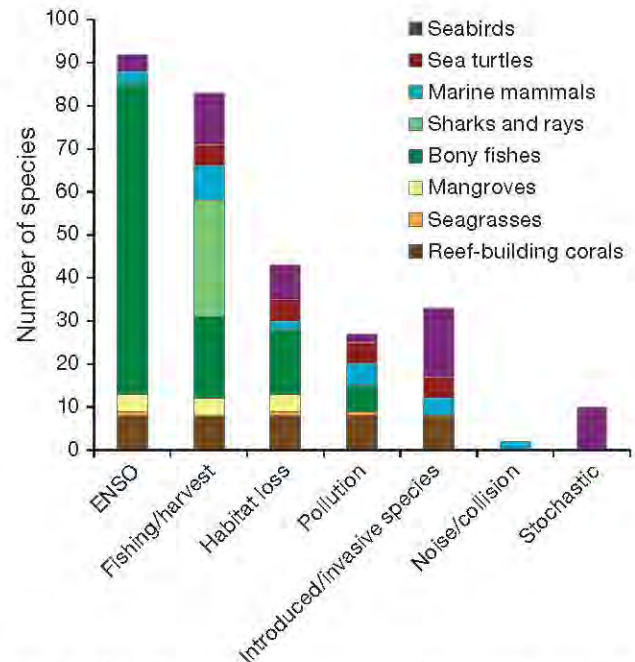


Fig. 4. Major threats impacting species listed in threatened categories in the Tropical Eastern Pacific. ENSO: El Niño Southern Oscillation

reduced marine productivity (Trillmich & Dellinger 1991, Alava & Salazar 2006). For similar reasons, the 1982–83 ENSO reduced the population of the Galapagos penguin *Spheniscus mendiculus* (also listed as Category EN) by 77%, and the 1997–98 ENSO induced a further decline of 66% (Vargas et al. 2006). Increased coral bleaching and disease is also associated with ENSO events in the region (Glynn 2000), as is increased seagrass mortality (Orth et al. 2006) and loss of specific environmental conditions required for mangrove species (Ellison 2005).

In the TEP, large coastal populations and small-scale fisheries are dependent on marine species for food and income. Harvest or fishing, including capture as by-catch, is the second biggest threat in the TEP to the region's threatened species, although adequate data to quantify these effects on species' populations is largely absent. For example, capture as by-catch and targeted fishing for fins is the main threat to the region's threatened sharks and rays, yet almost half of all sharks and rays in the TEP are listed as DD because no information exists on the impact of direct or indirect fishing on these species.

Among the bony fishes, fishing and by-catch represents the largest threat in this region, with 19% (207 of 1102 species) considered to be negatively impacted by targeted or incidental catch, even though related population declines were not always high

enough to reach the threshold for a threatened category. In general, large-bodied marine fishes, such as the larger tunas and billfishes (Collette et al. 2011), attract high market prices and therefore tend to be under greater threat of global extinction due to commercial fishing (Olden et al. 2007). In addition to localized and regional depletion of some fishery species, there is regional evidence that overfishing of selected species has also led to harmful artificial imbalances in other fish and invertebrate communities (Edgar et al. 2011). Only 36% of bony fishes were considered to have no significant threats, and threats are suspected but undefined for 16% of bony fishes. Thus, estimates of the level of threat affecting regional shore fish fauna may well be underestimated.

Habitat loss, pollution, and predation or competition with introduced or invasive species are also significant threats to threatened species in the TEP. All species groups, with the exception of sharks and rays, are impacted by habitat loss in the region. Coastal development and near-shore alteration are the main factors contributing to habitat decline for many species in the TEP, including all of the region's threatened mangroves, seagrasses, and corals. Almost 10% of the region's bony fishes are impacted by habitat loss, primarily due to the removal or degradation of mangrove and estuarine habitats.

Ten species of threatened seabirds in the region have breeding populations so small that they are considered to be inherently threatened by probable stochastic events and human impacts, such as coastal development, habitat loss, predation, invasive species, tourism, or major storms. For example, the pink-footed shearwater *Puffinus creatopus* (listed as Category VU) is found throughout the TEP, but only breeds on Robinson Crusoe Island and Santa Clara Island in the Juan Fernández Islands, and on Isla Mocha off the coast of Chile. It is estimated that there are <20 000 breeding pairs of pink-footed shearwater (IUCN 2011a).

Conservation and management

Identification of threatened species and patterns of threat in the TEP can help guide local and regional marine conservation priorities for biodiversity conservation, as well as serve to inform policy. The presence of threatened species is used to identify marine key biodiversity areas and marine biodiversity hotspots, which target conservation action to areas where it is most needed and can have the most benefits in terms of species recovery (Roberts et al. 2002,

Edgar et al. 2008a). In the case of the TEP, important areas with high species richness and threatened-species richness include the Gulf of California, the coasts of Panama and Costa Rica, and the 5 offshore oceanic islands and archipelagos.

IUCN Red List species assessments can also be used to inform reserve system design and to constrain development and exploitation (Possingham et al. 2002). Tiny Clipperton Island has one of the highest proportions of threatened species in the TEP and a regionally unique habitat and faunal assemblage. The creation of a Clipperton MPA should be a high regional priority. Further, legislation to limit mangrove removal from important fishery nursing grounds along the coasts of Costa Rica and Panama is needed. For the few fishery species that are threatened based on the availability of adequate data, better management is needed on both local and regional scales. More importantly, however, increased reporting and better monitoring of by-catch are needed for the majority of species considered to be threatened by overexploitation in the TEP.

CONCLUSIONS

The availability of more comprehensive threatened species information is important for guiding marine conservation priorities, such as the improved management of MPAs, the development of more effective species conservation policies, or the identification of key biodiversity areas. Increased understanding of the factors that contribute to a species' threatened status is essential for developing the most effective measures to protect threatened species and to mitigate threats. Conservation action for threatened species will therefore be more effective in mitigating both species-specific and ecosystem wide threats if they are based on an understanding of the Red List Category, Criterion, and the specific threat or suite of threats under which a threatened species has been assessed.

Previously available Red List assessments of widespread and/or highly migratory species such as the majority of seabirds, marine mammals, and marine turtles could not be readily used to identify species or area-specific conservation priorities in the TEP, given that most threats to those species are global or historic (the exception being breeding sites; Bass et al. 2011). Analyses of the more comprehensive and recent species Red List assessments that include all marine fishes and primary habitat producers in the region, combined with an understanding of the crite-

ria and data used to assess each species' probability of extinction, will more effectively identify areas of high threatened-species richness and patterns of threat for site- and species-specific marine conservation priorities. In terms of proportional abundance of threatened species, the highest threat levels exist for the ocean-island faunas. On the continental shore, the greatest abundances of threatened species occur around the mouth of the Gulf of California and the coastlines of Panama and Costa Rica. Those insular and continental areas represent priority conservation areas in the TEP. Regional scale conservation efforts exist, such as the Eastern Tropical Pacific Seascape Initiative (Shillinger 2005), that are making progress in addressing the range of threats to marine species. In several nations, including Mexico, Costa Rica, and Honduras, there are now total or seasonal closures for shark finning, although the level of enforcement is speculative. Regardless, better fisheries information and monitoring of by-catch should be an urgent priority for the improvement of marine conservation efforts throughout the region.

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Patterns of extinction risk and threat for marine vertebrates and habitat-forming species in the Tropical Eastern Pacific

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Supplement

IUCN Red List (RL) Categories and indication of regional endemism for all known species of seabirds, marine turtles, marine mammals, cartilaginous fishes, bony shorefishes, mangroves, seagrasses, corals, and Galapagos-endemic macroalgae present in the Tropical Eastern Pacific. CR: Critically Endangered, EN: Endangered, VU: Vulnerable, NT: Near Threatened, LC: Least Concern, and DD: Data Deficient

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Seabirds						
Chordata	Aves	Anseriformes	Anatidae	<i>Aythya marila</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Bucephala clangula</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Bucephala islandica</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Melanitta fusca</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Melanitta nigra</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Melanitta perspicillata</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Mergus merganser</i>	LC	
Chordata	Aves	Anseriformes	Anatidae	<i>Mergus serrator</i>	LC	
Chordata	Aves	Charadriiformes	Alcidae	<i>Brachyramphus marmoratus</i>	EN	
Chordata	Aves	Charadriiformes	Alcidae	<i>Cephus columba</i>	LC	
Chordata	Aves	Charadriiformes	Alcidae	<i>Cerorhinca monocerata</i>	LC	
Chordata	Aves	Charadriiformes	Alcidae	<i>Ptychoramphus aleuticus</i>	LC	
Chordata	Aves	Charadriiformes	Alcidae	<i>Synthliboramphus antiquus</i>	LC	
Chordata	Aves	Charadriiformes	Alcidae	<i>Synthliboramphus craveri</i>	VU	Endemic
Chordata	Aves	Charadriiformes	Alcidae	<i>Synthliboramphus hypoleucus</i>	VU	Endemic
Chordata	Aves	Charadriiformes	Alcidae	<i>Uria aalge</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Anous minutus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Anous stolidus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Chlidonias niger</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Creagrurus furcatus</i>	LC	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Gygis alba</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larosterna inca</i>	NT	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Larus argentatus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus atricilla</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Aves	Charadriiformes	Laridae	<i>Larus belcheri</i>	LC	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Larus californicus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus canus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus cirrocephalus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus delawarensis</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus dominicanus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus fuliginosus</i>	VU	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Larus glaucescens</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus heermanni</i>	NT	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus livens</i>	LC	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Larus maculipennis</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus modestus</i>	LC	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Larus occidentalis</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus philadelphia</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus pipixcan</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Larus thayeri</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Procelsterna cerulea</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Rissa tridactyla</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna anaethetus</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna antillarum</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna caspia</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna elegans</i>	NT	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna forsteri</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna fuscata</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna hirundinacea</i>	LC	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna hirundo</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna lorata</i>	EN	Endemic
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna maxima</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna nilotica</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna paradisaea</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna sandvicensis</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Sterna trudeaui</i>	LC	
Chordata	Aves	Charadriiformes	Laridae	<i>Xema sabini</i>	LC	
Chordata	Aves	Charadriiformes	Scolopacidae	<i>Phalaropus fulicarius</i>	LC	
Chordata	Aves	Charadriiformes	Scolopacidae	<i>Phalaropus lobatus</i>	LC	
Chordata	Aves	Charadriiformes	Stercorariidae	<i>Catharacta chilensis</i>	LC	
Chordata	Aves	Charadriiformes	Stercorariidae	<i>Catharacta maccormicki</i>	LC	
Chordata	Aves	Charadriiformes	Stercorariidae	<i>Stercorarius longicaudus</i>	LC	
Chordata	Aves	Charadriiformes	Stercorariidae	<i>Stercorarius parasiticus</i>	LC	
Chordata	Aves	Charadriiformes	Stercorariidae	<i>Stercorarius pomarinus</i>	LC	
Chordata	Aves	Gaviiformes	Gaviidae	<i>Gavia immer</i>	LC	
Chordata	Aves	Gaviiformes	Gaviidae	<i>Gavia pacifica</i>	LC	
Chordata	Aves	Gaviiformes	Gaviidae	<i>Gavia stellata</i>	LC	
Chordata	Aves	Pelecaniformes	Fregatidae	<i>Fregata magnificens</i>	LC	
Chordata	Aves	Pelecaniformes	Fregatidae	<i>Fregata minor</i>	LC	
Chordata	Aves	Pelecaniformes	Fregatidae	<i>Fregetta grallaria</i>	LC	
Chordata	Aves	Pelecaniformes	Fregatidae	<i>Fregetta tropica</i>	LC	
Chordata	Aves	Pelecaniformes	Pelecanidae	<i>Pelecanus occidentalis</i>	LC	
Chordata	Aves	Pelecaniformes	Pelecanidae	<i>Pelecanus thagus</i>	NT	Endemic
Chordata	Aves	Pelecaniformes	Phaethontidae	<i>Phaethon aethereus</i>	LC	
Chordata	Aves	Pelecaniformes	Phaethontidae	<i>Phaethon rubricauda</i>	LC	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax auritus</i>	LC	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax bougainvillii</i>	NT	Endemic
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax brasilianus</i>	LC	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax gaimardi</i>	NT	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax harrisi</i>	EN	Endemic
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax magellanicus</i>	LC	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax pelagicus</i>	LC	
Chordata	Aves	Pelecaniformes	Phalacrocoracidae	<i>Phalacrocorax penicillatus</i>	LC	
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula dactylatra</i>	LC	
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula granti</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula leucogaster</i>	LC	Endemic
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula neboxii</i>	LC	
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula sula</i>	LC	
Chordata	Aves	Pelecaniformes	Sulidae	<i>Sula variegata</i>	LC	Endemic
Chordata	Aves	Podicipediformes	Podicipedidae	<i>Podiceps auritus</i>	LC	
Chordata	Aves	Podicipediformes	Podicipedidae	<i>Podiceps nigricollis</i>	LC	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Diomedea antipodensis</i>	VU	Endemic
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Diomedea epomophora</i>	VU	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Diomedea exulans</i>	VU	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Diomedea sanfordi</i>	EN	Endemic
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Phoebastria albatrus</i>	VU	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Phoebastria immutabilis</i>	NT	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Phoebastria irrorata</i>	CR	Endemic
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Phoebastria nigripes</i>	EN	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Phoebastria palpebrata</i>	NT	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche bulleri</i>	NT	Endemic
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche cauta</i>	NT	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche chrysostoma</i>	VU	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche eremita</i>	VU	Endemic
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche melanophrys</i>	EN	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche salvini</i>	VU	
Chordata	Aves	Procellariiformes	Diomedeidae	<i>Thalassarche steadi</i>	NT	Endemic
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Halocyptena microsoma</i>	LC	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanites gracilis</i>	DD	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanites oceanicus</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma castro</i>	LC	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma homochroa</i>	EN	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma hornbyi</i>	DD	Endemic
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma leucorhoa</i>	LC	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma macrodactyla</i>	CR	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma markhami</i>	DD	Endemic
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma melania</i>	LC	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Oceanodroma tethys</i>	LC	
Chordata	Aves	Procellariiformes	Hydrobatidae	<i>Pelagodroma marina</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Pelecanoididae	<i>Pelecanoides garnotii</i>	EN	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Bulweria bulwerii</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Daption capense</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Fulmarus glacialis</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Halobaena caerulea</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Macronectes giganteus</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Macronectes halli</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pachyptila belcheri</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pachyptila desolata</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pachyptila salvini</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pachyptila vittata</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Procellaria aequinoctialis</i>	VU	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Procellaria cinerea</i>	NT	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Procellaria parkinsoni</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pseudobulweria rostrata</i>	NT	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma brevipes</i>	NT	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma cervicalis</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma cookii</i>	VU	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma defilippiana</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma externa</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma inexpectata</i>	NT	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma leucoptera</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma longirostris</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma neglecta</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma phaeopygia</i>	CR	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Pterodroma ultima</i>	NT	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus assimilis</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus auricularis</i>	CR	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus bulleri</i>	VU	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus carneipes</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus creatopus</i>	VU	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus griseus</i>	NT	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus lherminieri</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus nativitatis</i>	LC	Endemic
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus opisthomelas</i>	NT	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus pacificus</i>	LC	
Chordata	Aves	Procellariiformes	Procellariidae	<i>Puffinus tenuirostris</i>	LC	Endemic
Chordata	Aves	Sphenisciformes	Spheniscidae	<i>Spheniscus humboldti</i>	VU	
Chordata	Aves	Sphenisciformes	Spheniscidae	<i>Spheniscus magellanicus</i>	NT	
Chordata	Aves	Sphenisciformes	Spheniscidae	<i>Spheniscus mendiculus</i>	EN	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Marine turtles						
Chordata	Reptilia	Testudines	Cheloniidae	<i>Caretta caretta</i>	EN	
Chordata	Reptilia	Testudines	Cheloniidae	<i>Chelonia mydas</i>	EN	
Chordata	Reptilia	Testudines	Cheloniidae	<i>Eretmochelys imbricata</i>	CR	
Chordata	Reptilia	Testudines	Cheloniidae	<i>Lepidochelys olivacea</i>	VU	
Chordata	Reptilia	Testudines	Dermochelyidae	<i>Dermochelys coriacea</i>	CR	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Marine mammals						
Chordata	Mammalia	Carnivora	Mustelidae	<i>Lontra felina</i>	EN	
Chordata	Mammalia	Carnivora	Otariidae	<i>Arctocephalus australis</i>	LC	
Chordata	Mammalia	Carnivora	Otariidae	<i>Arctocephalus galapagoensis</i>	EN	Endemic
Chordata	Mammalia	Carnivora	Otariidae	<i>Arctocephalus philippii</i>	NT	Endemic
Chordata	Mammalia	Carnivora	Otariidae	<i>Arctocephalus townsendi</i>	NT	Endemic
Chordata	Mammalia	Carnivora	Otariidae	<i>Callorhinus ursinus</i>	VU	
Chordata	Mammalia	Carnivora	Otariidae	<i>Otaria flavescens</i>	LC	
Chordata	Mammalia	Carnivora	Otariidae	<i>Zalophus californianus</i>	LC	
Chordata	Mammalia	Carnivora	Otariidae	<i>Zalophus wolfebaeki</i>	EN	Endemic
Chordata	Mammalia	Carnivora	Phocidae	<i>Mirounga angustirostris</i>	LC	
Chordata	Mammalia	Carnivora	Phocidae	<i>Phoca vitulina</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera acutorostrata</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera bonaerensis</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera borealis</i>	EN	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera edeni</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera musculus</i>	EN	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Balaenoptera physalus</i>	EN	
Chordata	Mammalia	Cetartiodactyla	Balaenopteridae	<i>Megaptera novaeangliae</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Cephalorhynchus eutropia</i>	NT	Endemic
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Delphinus capensis</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Delphinus delphis</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Feresa attenuata</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Globicephala macrorhynchus</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Globicephala melas</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Grampus griseus</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lagenodelphis hosei</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lagenorhynchus australis</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lagenorhynchus cruciger</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lagenorhynchus obliquidens</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lagenorhynchus obscurus</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lissodelphis borealis</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Lissodelphis peronii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Orcinus orca</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Peponocephala electra</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Pseudorca crassidens</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Stenella attenuata</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Stenella coeruleoalba</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Stenella longirostris</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Steno bredanensis</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Delphinidae	<i>Tursiops truncatus</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Eschrichtiidae	<i>Eschrichtius robustus</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Neobalaenidae	<i>Caperea marginata</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Phocoenidae	<i>Phocoena sinus</i>	CR	Endemic
Chordata	Mammalia	Cetartiodactyla	Phocoenidae	<i>Phocoena spinipinnis</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Phocoenidae	<i>Phocoenoides dalli</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Physeteridae	<i>Kogia breviceps</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Physeteridae	<i>Kogia sima</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Physeteridae	<i>Physeter macrocephalus</i>	VU	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Berardius arnuxii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Berardius bairdii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Hyperoodon planifrons</i>	LC	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon carlhubbsi</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon densirostris</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon ginkgodens</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon grayi</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon hectori</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon layardii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon peruvianus</i>	DD	Endemic
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon stejnegeri</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Mesoplodon traversii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Tasmacetus shepherdii</i>	DD	
Chordata	Mammalia	Cetartiodactyla	Ziphiidae	<i>Ziphius cavirostris</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Cartilaginous fishes						
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus albimarginatus</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus altimus</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus amblyrhynchoides</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus amblyrhynchos</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus brachyurus</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus falciformis</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus galapagensis</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus leucas</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus limbatus</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus longimanus</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus obscurus</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus plumbeus</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Carcharhinus porosus</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Galeocerdo cuvier</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Nasolamia velox</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Negaprion brevirostris</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Prionace glauca</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Rhizoprionodon longurio</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Carcharhinidae	<i>Triaenodon obesus</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Apristurus brunneus</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Apristurus kampae</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Apristurus nasutus</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Apristurus stenseni</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Bythaelurus canescens</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Cephaloscyllium ventriosum</i>	LC	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Cephalurus cephalus</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Galeus piperatus</i>	LC	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Parmaturus xaniurus</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Schroederichthys bivius</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Scyliorhinidae	<i>Schroederichthys chilensis</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna corona</i>	NT	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna lewini</i>	EN	
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna media</i>	DD	
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna mokarran</i>	EN	
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna tiburo</i>	LC	
Chordata	Chondrichthyes	Carcharhiniformes	Sphyrnidae	<i>Sphyrna zygaena</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Galeorhinus galeus</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus albipinnis</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus californicus</i>	LC	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus dorsalis</i>	DD	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus henlei</i>	LC	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus lunulatus</i>	LC	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus mento</i>	NT	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Mustelus whitneyi</i>	VU	
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Triakis acutipinna</i>	EN	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Triakis maculata</i>	VU	Endemic
Chordata	Chondrichthyes	Carcharhiniformes	Triakidae	<i>Triakis semifasciata</i>	LC	
Chordata	Chondrichthyes	Chimaeriformes	Callorhynchidae	<i>Callorhynchus callorynchus</i>	LC	
Chordata	Chondrichthyes	Chimaeriformes	Chimaeridae	<i>Hydrolagus albus</i>	DD	Endemic
Chordata	Chondrichthyes	Chimaeriformes	Chimaeridae	<i>Hydrolagus colliei</i>	LC	
Chordata	Chondrichthyes	Chimaeriformes	Chimaeridae	<i>Hydrolagus macrophthalmus</i>	DD	
Chordata	Chondrichthyes	Chimaeriformes	Chimaeridae	<i>Hydrolagus maccoskeri</i>	DD	Endemic
Chordata	Chondrichthyes	Chimaeriformes	Rhinochimaeridae	<i>Harriotta raleighana</i>	LC	
Chordata	Chondrichthyes	Chimaeriformes	Rhinochimaeridae	<i>Rhinochimaera pacifica</i>	LC	
Chordata	Chondrichthyes	Heterodontiformes	Heterodontidae	<i>Heterodontus francisci</i>	DD	
Chordata	Chondrichthyes	Heterodontiformes	Heterodontidae	<i>Heterodontus mexicanus</i>	DD	Endemic
Chordata	Chondrichthyes	Heterodontiformes	Heterodontidae	<i>Heterodontus quoyi</i>	DD	Endemic
Chordata	Chondrichthyes	Hexanchiformes	Chlamydoselachidae	<i>Chlamydoselachus anguineus</i>	NT	
Chordata	Chondrichthyes	Hexanchiformes	Hexanchidae	<i>Heptranchias perlo</i>	NT	
Chordata	Chondrichthyes	Hexanchiformes	Hexanchidae	<i>Hexanchus griseus</i>	NT	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Chondrichthyes	Hexanchiformes	Hexanchidae	<i>Notorynchus cepedianus</i>	DD	
Chordata	Chondrichthyes	Lamniformes	Alopiidae	<i>Alopias pelagicus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Alopiidae	<i>Alopias superciliosus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Alopiidae	<i>Alopias vulpinus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Cetorhinidae	<i>Cetorhinus maximus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Lamnidae	<i>Carcharodon carcharias</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Lamnidae	<i>Isurus oxyrinchus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Lamnidae	<i>Isurus paucus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Lamnidae	<i>Lamna ditropis</i>	LC	
Chordata	Chondrichthyes	Lamniformes	Lamnidae	<i>Lamna nasus</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Megachasmidae	<i>Megachasma pelagios</i>	DD	
Chordata	Chondrichthyes	Lamniformes	Mitsukurinidae	<i>Mitsukurina owstoni</i>	LC	
Chordata	Chondrichthyes	Lamniformes	Odontaspidae	<i>Odontaspis ferox</i>	VU	
Chordata	Chondrichthyes	Lamniformes	Odontaspidae	<i>Odontaspis noronhai</i>	DD	
Chordata	Chondrichthyes	Lamniformes	Pseudocarchar- oiiidae	<i>Pseudocarcharias kamoharai</i>	NT	
Chordata	Chondrichthyes	Orectolobiformes	Ginglymostoma- tidae	<i>Ginglymostoma cirratum</i>	DD	
Chordata	Chondrichthyes	Orectolobiformes	Rhincodontidae	<i>Rhincodon typus</i>	VU	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa abyssicola</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa aguja</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa brachyurops</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa kincaidii</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa longicauda</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa microtrachys</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa peruana</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa spinosissima</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Bathyraxa trachura</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Psammobatis scobina</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Rhinoraja albomaculata</i>	VU	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Sympterygia breviceaudata</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Arhynchobatidae	<i>Sympterygia lima</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Dasyatidae	<i>Dasyatis americana</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Dasyatidae	<i>Dasyatis dipterura</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Dasyatidae	<i>Dasyatis longa</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Dasyatidae	<i>Pteroplatytrygon violacea</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Dasyatidae	<i>Taeniura meyeni</i>	VU	
Chordata	Chondrichthyes	Rajiformes	Gymnuridae	<i>Gymnura marmorata</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Mobulidae	<i>Manta birostris</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Mobulidae	<i>Mobula japanica</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Mobulidae	<i>Mobula munkiana</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Mobulidae	<i>Mobula tarapacana</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Mobulidae	<i>Mobula thurstoni</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Aetobatus narinari</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Myliobatis californicus</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Myliobatis chilensis</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Myliobatis goodei</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Myliobatis longirostris</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Myliobatis peruvianus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Myliobatidae	<i>Pteromylaeus asperrimus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Narcinidae	<i>Diplobatis ommata</i>	VU	Endemic
Chordata	Chondrichthyes	Rajiformes	Narcinidae	<i>Discopyge tschudii</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Narcinidae	<i>Narcine entemedor</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Narcinidae	<i>Narcine leoparda</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Narcinidae	<i>Narcine vermiculatus</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Platyrrhinidae	<i>Platyrrhinoidis triseriata</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon aiereba</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon constellata</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon iwamae</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon magdalenae</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon orbignyi</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon schroederi</i>	DD	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Chondrichthyes	Rajiformes	Potamotrygonidae	<i>Potamotrygon scobina</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Amblyraja badia</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Amblyraja freerichsi</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Dipturus ecuadoriensis</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Gurgesiella furvescens</i>	LC	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja binoculata</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja cortezensis</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja equatorialis</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja inornata</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja rhina</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja stellulata</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Raja velezi</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Rajella eisenhardti</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Rajella nigerrima</i>	LC	Endemic
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Rajella sadowskii</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Rajidae	<i>Zearaja chilensis</i>	VU	
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Rhinobatos glaucostigma</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Rhinobatos leucorhynchus</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Rhinobatos planiceps</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Rhinobatos prahli</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Rhinobatos productus</i>	NT	
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Zapteryx exasperata</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinobatidae	<i>Zapteryx xyster</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Rhinopteridae	<i>Rhinoptera steindachneri</i>	NT	Endemic
Chordata	Chondrichthyes	Rajiformes	Torpedinidae	<i>Torpedo californica</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Torpedinidae	<i>Torpedo microdiscus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Torpedinidae	<i>Torpedo tremens</i>	DD	
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urobatis concentricus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urobatis halleri</i>	LC	
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urobatis maculatus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urobatis marmoratus</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urobatis tumbesensis</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon aspidura</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon chilensis</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon munda</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon nana</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon reticulata</i>	VU	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon rogersi</i>	DD	Endemic
Chordata	Chondrichthyes	Rajiformes	Urotrygonidae	<i>Urotrygon simulatrix</i>	VU	Endemic
Chordata	Chondrichthyes	Squaliformes	Centrophoridae	<i>Deania calcea</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Dalatiidae	<i>Euprotomicrus bispinatus</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Dalatiidae	<i>Heteroscymnoides marleyi</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Dalatiidae	<i>Isistius brasiliensis</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Dalatiidae	<i>Mollisquama parini</i>	DD	Endemic
Chordata	Chondrichthyes	Squaliformes	Echinorhinidae	<i>Echinorhinus cookei</i>	NT	
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Aculeola nigra</i>	DD	Endemic
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Centroscyllium granulatum</i>	DD	
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Centroscyllium nigrum</i>	DD	
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Etmopterus bigelowi</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Etmopterus litvinovi</i>	DD	Endemic
Chordata	Chondrichthyes	Squaliformes	Etmopteridae	<i>Etmopterus pycnolepis</i>	DD	Endemic
Chordata	Chondrichthyes	Squaliformes	Somniosidae	<i>Centroscymnus owstoni</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Somniosidae	<i>Centroselachus crepidater</i>	LC	
Chordata	Chondrichthyes	Squaliformes	Somniosidae	<i>Scymnodalatias oligodon</i>	DD	Endemic
Chordata	Chondrichthyes	Squaliformes	Somniosidae	<i>Somniosus longus</i>	DD	
Chordata	Chondrichthyes	Squaliformes	Somniosidae	<i>Somniosus pacificus</i>	DD	
Chordata	Chondrichthyes	Squaliformes	Squalidae	<i>Squalus acanthias</i>	VU	
Chordata	Chondrichthyes	Squaliformes	Squalidae	<i>Squalus mitsukurii</i>	DD	
Chordata	Chondrichthyes	Squatiniiformes	Squatiniidae	<i>Squatina armata</i>	DD	
Chordata	Chondrichthyes	Squatiniiformes	Squatiniidae	<i>Squatina californica</i>	NT	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Bony shorefishes						
Chordata	Actinopterygii	Albuliformes	Albulidae	<i>Albula esuncula</i>	LC	Endemic
Chordata	Actinopterygii	Albuliformes	Albulidae	<i>Albula nemoptera</i>	LC	
Chordata	Actinopterygii	Anguilliformes	Chlopsidae	<i>Chlopsis apterus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Chlopsidae	<i>Chlopsis bicollaris</i>	NT	Endemic
Chordata	Actinopterygii	Anguilliformes	Chlopsidae	<i>Chlopsis kazuko</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Ariosoma gilberti</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Ariosoma prorigerum</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Chiloconger dentatus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Gnathophis cinctus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Gorgasia punctata</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Heteroconger canabus</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Heteroconger digueti</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Heteroconger klausewitzii</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Heteroconger pellegrini</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Paraconger californiensis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Paraconger similis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Congridae	<i>Rhynchoconger nitens</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Heterenchelyidae	<i>Pythonichthys asodes</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Moringuidae	<i>Neoconger vermiformis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenesocidae	<i>Cynoponticus coniceps</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Anarchias galapagensis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Echidna nocturna</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Enchelycore octaviana</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax angusticeps</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax castaneus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax dovii</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax equatorialis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax eurygnathos</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax phalarus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax porphyreus</i>	LC	
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax serratidens</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Gymnothorax verrilli</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Muraena argus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Muraena clepsydra</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Muraena lentiginosa</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Uropterygius polystictus</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Muraenidae	<i>Uropterygius versutus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Myrocongridae	<i>Myroconger nigrodentatus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Aplatopis zorro</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Apterichthys equatorialis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Bascanichthys bascanoides</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Bascanichthys cylindricus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Bascanichthys panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Callechelys cliffi</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Callechelys eristigma</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Callechelys galapagensis</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Echiopis brunneus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ethadophis byrnei</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ethadophis merenda</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Gordiichthys combibus</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Herpetoichthys fossatus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ichthyapus selachops</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Leptenchelys vermiformis</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Letharchus rosenblatti</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Leuropharus lasiops</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Myrichthys aspetocheiros</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Myrichthys pantostigmus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Myrichthys tigrinus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Myrophis vafer</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus apachus</i>	DD	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus frontalis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus longipenis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus mecopterus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus melope</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus remiger</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus rugifer</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus triserialis</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Ophichthus zophochir</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Paraetharchus opercularis</i>	VU	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Paraetharchus pacificus</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Phaenomonas pinnata</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Pisodonophis daspilotus</i>	NT	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Pseudomyrophis micropinna</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Quassiremus evionthas</i>	VU	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Quassiremus nothochir</i>	LC	Endemic
Chordata	Actinopterygii	Anguilliformes	Ophichthidae	<i>Scytalichthys miurus</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinidae	<i>Atherinomorus stipes</i>	LC	
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella argentea</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella crystallina</i>	NT	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella eriarcha</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella guatemalensis</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella nepenthe</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella nesiotis</i>	DD	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella nocturna</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella pachylepis</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella serrivomer</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinella starksi</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinops affinis</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Atherinopsis californiensis</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Colpichthys hubbsi</i>	EN	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Colpichthys regis</i>	NT	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Leuresthes sardina</i>	NT	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Melanorhinus cyanellus</i>	LC	Endemic
Chordata	Actinopterygii	Atheriniformes	Atherinopsidae	<i>Membras gilberti</i>	LC	Endemic
Chordata	Actinopterygii	Aulopiformes	Synodontidae	<i>Synodus evermanni</i>	LC	Endemic
Chordata	Actinopterygii	Aulopiformes	Synodontidae	<i>Synodus lacertinus</i>	LC	Endemic
Chordata	Actinopterygii	Aulopiformes	Synodontidae	<i>Synodus lucioceps</i>	LC	Endemic
Chordata	Actinopterygii	Aulopiformes	Synodontidae	<i>Synodus scituliceps</i>	LC	Endemic
Chordata	Actinopterygii	Aulopiformes	Synodontidae	<i>Synodus sechurae</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Aphos porosus</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Batrachoides boulengeri</i>	VU	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Batrachoides pacifici</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Batrachoides walkeri</i>	DD	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Batrachoides waltersi</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Daector dowi</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Daector reticulata</i>	VU	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Daector schmitti</i>	VU	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys analis</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys ephippiatus</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys greenei</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys margaritatus</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys mimeticus</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys myriaster</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys notatus</i>	LC	Endemic
Chordata	Actinopterygii	Batrachoidiformes	Batrachoididae	<i>Porichthys oculellus</i>	DD	Endemic
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Ablennes hians</i>	LC	
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Platybelone argalus pterura</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Strongylura exilis</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Strongylura scapularis</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Tylosurus acus melanotus</i>	LC	
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Tylosurus crocodilus fodiator</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Belonidae	<i>Tylosurus pacificus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon atrisignis</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon dorsomacula</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon papilio</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon pinnatibarbatus californicus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon spilonotus</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cheilopogon xenopterus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cypselurus angusticeps</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Cypselurus callopterus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Exocoetus monocirrhus</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Exocoetus peruvianus</i>	DD	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Exocoetus volitans</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Fodiator rostratus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Hirundichthys marginatus</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Hirundichthys rondeletii</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Hirundichthys speculiger</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Parexocoetus brachypterus</i>	LC	
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Prognichthys sealei</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Exocoetidae	<i>Prognichthys tringa</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Euleptorhamphus viridis</i>	LC	
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Hemiramphus saltator</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Hyporhamphus gilli</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Hyporhamphus naos</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Hyporhamphus rosae</i>	DD	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Hyporhamphus snyderi</i>	LC	Endemic
Chordata	Actinopterygii	Beloniformes	Hemiramphidae	<i>Oxyporhamphus micropterus</i>	LC	
Chordata	Actinopterygii	Beryciformes	Anomalopidae	<i>Phthanophaneron harveyi</i>	DD	Endemic
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Myripristis berndti</i>	LC	
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Myripristis clarionensis</i>	VU	Endemic
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Myripristis gildi</i>	VU	Endemic
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Myripristis leiognathus</i>	LC	Endemic
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Plectrypops lima</i>	LC	
Chordata	Actinopterygii	Beryciformes	Holocentridae	<i>Sargocentron suborbitalis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Ethmidium maculatum</i>	DD	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Etrumeus teres</i>	LC	
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Harengula thrissina</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Lile gracilis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Lile nigrofasciata</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Lile stolidifera</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Neoopisthopterus tropicus</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Odontognathus panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthonema berlangai</i>	VU	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthonema bulleri</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthonema libertate</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthonema medirastre</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthopterus dovii</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthopterus effulgens</i>	VU	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthopterus equatorialis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Opisthopterus macrops</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Pliosteostoma lutipinnis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Clupeidae	<i>Sardinops sagax sagax</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa analis</i>	DD	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa argentivittata</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa chamensis</i>	VU	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa curta</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa eigenmannia</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa exigua</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa helleri</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa ischana</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa lucida</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa mundeola</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa mundeoloides</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa nasus</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa scofieldi</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa spinifer</i>	LC	
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa starksi</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoa walkeri</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchovia macrolepidota</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Anchoviella balboae</i>	DD	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Cetengraulis mysticetus</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Engraulis mordax</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Engraulis ringens</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Engraulidae	<i>Lycengraulis poeyi</i>	LC	Endemic
Chordata	Actinopterygii	Clupeiformes	Pristigasteridae	<i>Illosha fuerthii</i>	LC	Endemic
Chordata	Actinopterygii	Cyprinodonti- formes	Poeciliidae	<i>Poeciliopsis elongata</i>	NT	Endemic
Chordata	Actinopterygii	Cyprinodonti- formes	Poeciliidae	<i>Poeciliopsis fasciata</i>	NT	Endemic
Chordata	Actinopterygii	Cyprinodonti- formes	Poeciliidae	<i>Poeciliopsis latidens</i>	NT	Endemic
Chordata	Actinopterygii	Cyprino formes	Poeciliidae	<i>Poeciliopsis prolifica</i>	NT	Endemic
Chordata	Actinopterygii	Cyprinodonti- formes	Poeciliidae	<i>Poeciliopsis turrubarensis</i>	LC	Endemic
Chordata	Actinopterygii	Elopiformes	Elopidae	<i>Elops affinis</i>	LC	Endemic
Chordata	Actinopterygii	Gadiformes	Bregmacerotidae	<i>Bregmaceros bathymaster</i>	LC	Endemic
Chordata	Actinopterygii	Gadiformes	Merlucciidae	<i>Merluccius angustimanus</i>	LC	Endemic
Chordata	Actinopterygii	Gadiformes	Merlucciidae	<i>Merluccius gayi</i>	DD	Endemic
Chordata	Actinopterygii	Gadiformes	Merlucciidae	<i>Merluccius productus</i>	LC	Endemic
Chordata	Actinopterygii	Gadiformes	Moridae	<i>Physiculus nematopus</i>	LC	Endemic
Chordata	Actinopterygii	Gadiformes	Moridae	<i>Physiculus talarae</i>	LC	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Bryx veleronis</i>	DD	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Cosmocampus arctus</i>	LC	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Doryrhamphus excisus excisus</i>	LC	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Hippocampus ingens</i>	VU	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Syngnathus auliscus</i>	LC	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Syngnathus carinatus</i>	DD	Endemic
Chordata	Actinopterygii	Gasterosteiformes	Syngnathidae	<i>Syngnathus macrobrachium</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Arcos decoris</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Arcos erythrops</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Arcos poecilophthalmus</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Arcos rhodospilus</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox adustus</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox aethus</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox canidens</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox crassicornus</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox daedaleus</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox marijeanae</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox milleri</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox multitentaculus</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox papillifer</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox pinniger</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox schultzi</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox stenocephalus</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Gobiesox woodsi</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Pherallodiscus funebris</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Pherallodiscus varius</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon absitus</i>	VU	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon abuelorum</i>	EN	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon bidens</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon boehlkei</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon chilensis</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon eos</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon humeralis</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon myersi</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon petersii</i>	LC	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon prodomus</i>	DD	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon vermiculatus</i>	VU	Endemic
Chordata	Actinopterygii	Gobiesociformes	Gobiesocidae	<i>Tomicodon zebra</i>	LC	Endemic
Chordata	Actinopterygii	Gonorynchiformes	Chanidae	<i>Chanos chanos</i>	LC	
Chordata	Actinopterygii	Lophiiformes	Antennariidae	<i>Antennarius avalonis</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Antennariidae	<i>Antennarius coccineus</i>	LC	
Chordata	Actinopterygii	Lophiiformes	Antennariidae	<i>Antennarius commerson</i>	LC	
Chordata	Actinopterygii	Lophiiformes	Antennariidae	<i>Antennarius sanguineus</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Antennariidae	<i>Antennatus strigatus</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Lophiidae	<i>Lophiodes caulinaris</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Lophiidae	<i>Lophiodes spilurus</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Ogcocephalidae	<i>Ogcocephalus darwini</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Ogcocephalidae	<i>Ogcocephalus porrectus</i>	LC	Endemic
Chordata	Actinopterygii	Lophiiformes	Ogcocephalidae	<i>Zalieutes elater</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Calamopteryx jeb</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Grammonus diagrammus</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia davidsmithi</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia boydwalkeri</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia cocoensis</i>	VU	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia deroyi</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia galapagosensis</i>	VU	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia jewettae</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia nigromarginata</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia nudiceps</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia robertsoni</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia sedorae</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Bythitidae	<i>Ogilbia ventralis</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Carapidae	<i>Carapus dubius</i>	DD	Endemic
Chordata	Actinopterygii	Ophidiiformes	Carapidae	<i>Echiodon exsilium</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Carapidae	<i>Encheliophis vermicularis</i>	VU	
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Brotula clarkae</i>	DD	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Brotula ordwayi</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Chilara taylori</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Lepophidium microlepis</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Lepophidium negropinna</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Lepophidium pardale</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Lepophidium prorates</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Lepophidium stigmatistium</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Neobythites stelliferoides</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Ophidion fulvum</i>	NT	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Ophidion galeoides</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Ophidion imitator</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Ophidion iris</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Ophidion scrippsae</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Otophidium indefatigabile</i>	LC	Endemic
Chordata	Actinopterygii	Ophidiiformes	Ophidiidae	<i>Petrotyx hopkinsi</i>	LC	Endemic
Chordata	Actinopterygii	Osmeriformes	Argentinidae	<i>Argentina alicae</i>	LC	Endemic
Chordata	Actinopterygii	Osmeriformes	Argentinidae	<i>Argentina sialis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Acanthurus nigricans</i>	LC	
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Acanthurus triostegus</i>	LC	
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Acanthurus xanthopterus</i>	LC	
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Ctenochaetus marginatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Naso vlamingii</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Prionurus laticlavus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Acanthuridae	<i>Prionurus punctatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Ammodytidae	<i>Ammodytoides gilli</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon atradorsatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon atricaudus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon dovii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon guadalupensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon pacificus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Apogonidae	<i>Apogon retrosella</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Entomacrodus chiostictus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius brevipinnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius caulopus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius gentilis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius gilberti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius jenkinsi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius maculipinna</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius paytensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius proteus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius robustus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius sordidus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Hypsoblennius striatus</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Ophioblennius steindachneri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Parahypsos piersoni</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Plagiotremus azaleus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Scartichthys crapulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Scartichthys gigas</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Scartichthys variolatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Blenniidae	<i>Scartichthys viridis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Bramidae	<i>Brama dussumieri</i>	LC	
Chordata	Actinopterygii	Perciformes	Bramidae	<i>Brama japonica</i>	LC	
Chordata	Actinopterygii	Perciformes	Bramidae	<i>Taractes rubescens</i>	LC	
Chordata	Actinopterygii	Perciformes	Bramidae	<i>Taractichthys steindachneri</i>	LC	
Chordata	Actinopterygii	Perciformes	Callionymidae	<i>Synchiropus atrilabiatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Alectis ciliaris</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Carangoides caballus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Carangoides orthogrammus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Carangoides otrynter</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Caranx caninus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Caranx lugubris</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Caranx melampygus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Caranx sexfasciatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Caranx vinctus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Chloroscombrus orqueta</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Decapterus macarellus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Decapterus macrosoma</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Decapterus muroadsi</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Elagatis bipinnulata</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Gnathanodon speciosus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Hemicaranx leucurus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Hemicaranx zelotes</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Naucrates ductor</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Oligoplites altus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Oligoplites refulgens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Oligoplites saurus inornatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Selar crumenophthalmus</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Selene brevoortii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Selene orstedii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Selene peruviana</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Seriola lalandi</i>	LC	
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Seriola peruana</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Seriola rivoliana</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachinotus kennedyi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachinotus paitensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachinotus rhodopus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachinotus stilbe</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachurus murphyi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Trachurus symmetricus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Carangidae	<i>Uraspis helvola</i>	LC	
Chordata	Actinopterygii	Perciformes	Centrolophidae	<i>Schedophilus haedrichi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centrolophidae	<i>Seriolella violacea</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus armatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus medius</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus nigrescens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus robalito</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus unionensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Centropomidae	<i>Centropomus viridis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria atrata</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria balanorum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria castroi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria crockeri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria exilispinus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria hancocki</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria macrospilus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria mangognatha</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Acanthemblemaria stephensi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Chaenopsis alepidota</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Chaenopsis coheni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Chaenopsis deltarrhis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Chaenopsis schmitti</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Cirriemblemaria lucasana</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Coralliozetus angelicus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Coralliozetus boehlkei</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Coralliozetus micropes</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Coralliozetus rosenblatti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Coralliozetus springeri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Ekemblemaria lira</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Ekemblemaria myersi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Emblemaria hypacanthus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Emblemaria nivipes</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Emblemaria piratica</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Emblemaria walkeri</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Mccoskerichthys sandae</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Protemblemaria bicirrus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Protemblemaria perla</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Stathmonotus culebrai</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Stathmonotus lugubris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Stathmonotus sinuscalifornici</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaenopsidae	<i>Tanyemblemaria alleni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Chaetodontidae	<i>Chaetodon humeralis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaetodontidae	<i>Forcipiger flavissimus</i>	LC	
Chordata	Actinopterygii	Perciformes	Chaetodontidae	<i>Johnrandallia nigrirostris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Chaetodontidae	<i>Prognathodes carlhubbsi</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Chaetodontidae	<i>Prognathodes falcifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Cirrhitidae	<i>Cirrhitichthys oxycephalus</i>	LC	
Chordata	Actinopterygii	Perciformes	Cirrhitidae	<i>Cirrhitus rivulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Cirrhitidae	<i>Oxycirrhites typus</i>	LC	
Chordata	Actinopterygii	Perciformes	Coryphaenidae	<i>Coryphaena equiselis</i>	LC	
Chordata	Actinopterygii	Perciformes	Coryphaenidae	<i>Coryphaena equiselis</i>	LC	
Chordata	Actinopterygii	Perciformes	Coryphaenidae	<i>Coryphaena hippurus</i>	LC	
Chordata	Actinopterygii	Perciformes	Coryphaenidae	<i>Coryphaena hippurus</i>	LC	
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactylagnus mundus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactylagnus parvus</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus amnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus byersi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus fimbriatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus lacteus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus lunaticus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus metoecus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus minutus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus pectoralis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Dactyloscopus zelotes</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Gillellus arenicola</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Gillellus chathamensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Gillellus ornatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Gillellus searcheri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Gillellus semicinctus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Heteristius cinctus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Myxodagnus macrognathus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Myxodagnus opercularis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Myxodagnus sagitta</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Platygillellus altivelis</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Platygillellus bussingi</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Dactyloscopidae	<i>Platygillellus rubellulus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Echeneis naucrates</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Phtheichthys lineatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Remora australis</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Remora brachyptera</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Remora osteochir</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Remora remora</i>	LC	
Chordata	Actinopterygii	Perciformes	Echeneidae	<i>Remorina albescens</i>	LC	
Chordata	Actinopterygii	Perciformes	Eleotridae	<i>Dormitator latifrons</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Eleotridae	<i>Eleotris picta</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Eleotridae	<i>Erotelis armiger</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Eleotridae	<i>Gobiomorus maculatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Eleotridae	<i>Guavina micropus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Embiotocidae	<i>Zalemblus rosaceus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Ephippidae	<i>Chaetodipterus zonatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Ephippidae	<i>Parapsettus panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gempylidae	<i>Gempylus serpens</i>	LC	
Chordata	Actinopterygii	Perciformes	Gempylidae	<i>Lepidocybium flavobrunneum</i>	LC	
Chordata	Actinopterygii	Perciformes	Gempylidae	<i>Nealotus tripes</i>	LC	
Chordata	Actinopterygii	Perciformes	Gempylidae	<i>Ruvettus pretiosus</i>	LC	
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Diapterus aureolus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Diapterus peruvianus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eucinostomus currani</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eucinostomus dowii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eucinostomus entomelas</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eucinostomus gracilis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eugerres axillaris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eugerres brevimanus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eugerres lineatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Eugerres periche</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gerreidae	<i>Gerres cinereus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Aboma etheostoma</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Akko brevis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Akko rossi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Aruma histrio</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Barbulifer mexicanus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Barbulifer pantherinus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bathygobius andrei</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bathygobius lineatus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bathygobius ramosus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia chlamydes</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia gomezi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia longilinnus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia macropoma</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia marginalis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia ocellata</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia pawneeae</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia stigmatura</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Bollmannia umbrosa</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis cuneata</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis dialepta</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis lepidota</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis minutillus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis tagus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Chriolepis zebra</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Coryphopterus urospilus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Ctenogobius manglicola</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Ctenogobius sagittula</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus digueti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus inornatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus janssi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus limbaughi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus nesiotis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Elacatinus puncticulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Eleotrica cableae</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Enypnias aceras</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Enypnias seminudus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Evermannia erici</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Evermannia longipinnis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Evermannia panamensis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Evermannia zosterura</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Evorthodus minutus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gillichthys mirabilis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gillichthys seta</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobioides peruanus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobionellus daguae</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobionellus liolepis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobionellus microdon</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobiosoma chiquita</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobiosoma hildebrandi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobiosoma homochroma</i>	EN	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobiosoma nudum</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobiosoma paradoxum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobulus birdsongi</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobulus crescentalis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gobulus hancocki</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Gymneleotris seminudus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Ilypnus gilberti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Ilypnus luculentus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lophogobius cristulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus alphigena</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus cobalus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus dalli</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus gilberti</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus insularis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus pulchellus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus rhizophora</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus solanensis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Lythrypnus zebra</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius brevispinis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius crocatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius curtus</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius cyclolepis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius emblematicus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius erectus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius miraflorensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Microgobius tabogensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Parrella fusca</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Parrella ginsburgi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Parrella lucretiae</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Parrella maxillaris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Pycnomma semisquamatum</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Quietula guaymasiae</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Gobiidae	<i>Quietula y-cauda</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus caesius</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus davidsonii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus dovii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus interruptus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus pacifici</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus scapularis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Anisotremus taeniatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Conodon macrops</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Conodon serrifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulon flaviguttatum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulon maculicauda</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulon scudderii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulon sexfasciatum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulon steindachneri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulopsis axillaris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulopsis elongatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulopsis leuciscus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Haemulopsis nitidus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Microlepidotus brevipinnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Microlepidotus inornatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Orthopristis cantharinus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Orthopristis chalceus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Orthopristis forbesi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Orthopristis lethopristis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Orthopristis reddingi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Pomadasys branickii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Pomadasys emperus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Pomadasys macracanthus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Pomadasys panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Pomadasys schyrii</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Xenichthys agassizii</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Xenichthys rupestris</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Xenichthys xanti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Xenistius californiensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Haemulidae	<i>Xenocys jessiae</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Istiophoridae	<i>Istiompax indica</i>	DD	
Chordata	Actinopterygii	Perciformes	Istiophoridae	<i>Istiophorus platypterus</i>	LC	
Chordata	Actinopterygii	Perciformes	Istiophoridae	<i>Kajikia audax</i>	NT	
Chordata	Actinopterygii	Perciformes	Istiophoridae	<i>Makaira nigricans</i>	VU	
Chordata	Actinopterygii	Perciformes	Istiophoridae	<i>Tetrapturus angustirostris</i>	DD	
Chordata	Actinopterygii	Perciformes	Kuhliidae	<i>Kuhlia mugil</i>	LC	
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Girella freminvillei</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Girella nigricans</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Girella simplicidens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Hermosilla azurea</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Kyphosus analogus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Kyphosus elegans</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Kyphosus lutescens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Medialuna californiensis</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Kyphosidae	<i>Sectator ocyurus</i>	LC	
Chordata	Actinopterygii	Perciformes	Labridae	<i>Bodianus diplotaenia</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Bodianus eclancheri</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Decodon melasma</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres adustus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres aestuaricola</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres chierchiae</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres discolor</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres dispilus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres insularis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres malpelo</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres melanotis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres nicholsi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres notospilus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres raisneri</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres salmofasciatus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Halichoeres semicinctus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Iniistius pavo</i>	LC	
Chordata	Actinopterygii	Perciformes	Labridae	<i>Malapterus reticulatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Novaculichthys taeniourus</i>	LC	
Chordata	Actinopterygii	Perciformes	Labridae	<i>Oxyjulis californica</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Polylepion cruentum</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Pseudolabrus gayi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Semicossyphus darwini</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Semicossyphus pulcher</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Stethojulis bandanensis</i>	LC	
Chordata	Actinopterygii	Perciformes	Labridae	<i>Thalassoma grammaticum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Thalassoma lucasanum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Thalassoma robertsoni</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Thalassoma virens</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Xyrichtys mundiceps</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Xyrichtys victori</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labridae	<i>Xyrichtys wellingtoni</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Cottoclinus canops</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Cryptotrema seftoni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Dialommus fuscus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Dialommus macrocephalus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Exerpes asper</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus dendriticus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus jenkinsi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus multiporosus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus pomaspilus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus socorroensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus striatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus wigginsi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Labrisomus xanti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus costaricanus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus ebisui</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus gigas</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus hubbsi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus margaritae</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus tetranemus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus zaca</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus zonifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Malacoctenus zonogaster</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus altivelis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus beebei</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus ditrichus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus fehlmanni</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus magdalenae</i>	EN	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus mexicanus</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus monophthalmus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus sini</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus stephensi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus tanygnathus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Paraclinus walkeri</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia cremnobates</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia fulva</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia galapagensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia grammilaga</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia hoesei</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia lepidogaster</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia posthon</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Starksia spinipenis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Labrisomidae	<i>Xenomedeia rhodopyga</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lobotidae	<i>Lobotes pacificus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Aphareus furca</i>	LC	
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Hoplopagrus guentherii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus aratus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus argentiventris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus colorado</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus guttatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus inermis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus jordani</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus novemfasciatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus peru</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Lutjanidae	<i>Lutjanus viridis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Luvaridae	<i>Luvarus imperialis</i>	LC	
Chordata	Actinopterygii	Perciformes	Malacanthidae	<i>Caulolatilus affinis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Malacanthidae	<i>Caulolatilus hubbsi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Malacanthidae	<i>Caulolatilus princeps</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Malacanthidae	<i>Malacanthus brevirostris</i>	LC	
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Cerdale ionthas</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Cerdale paludicola</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Cerdale prolata</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Clarkichthys bilineatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus affinis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus dipus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus dorsipunctatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus hildebrandi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus intermedius</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus knappi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus multiradiatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus retropinnis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Microdesmidae	<i>Microdesmus suttkusi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Chaenomugil proboscideus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Mugil cephalus</i>	LC	
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Mugil curema</i>	LC	
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Mugil hospes</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Mugil setosus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Mugilidae	<i>Mugil thoburni</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Mullidae	<i>Mulloidichthys dentatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Mullidae	<i>Pseudupeneus grandisquamis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Cubiceps pauciradiatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Nomeus gronovii</i>	LC	
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Psenes arafurensis</i>	LC	
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Psenes cyanophrys</i>	LC	
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Psenes pellucidus</i>	LC	
Chordata	Actinopterygii	Perciformes	Nomeidae	<i>Psenes sio</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Lonchopisthus sinuscalifornicus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus brochus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus fenmutis</i>	DD	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus fossoris</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus galapagensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus panamaensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus punctatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus rhomaleus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus rosenblatti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus scops</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus smithvanizi</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Opistognathidae	<i>Opistognathus walkeri</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Oplegnathidae	<i>Oplegnathus insignis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Polynemidae	<i>Polydactylus approximans</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Polynemidae	<i>Polydactylus opercularis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Polyprionidae	<i>Stereolepis gigas</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Pomacanthidae	<i>Holacanthus clarionensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Pomacanthidae	<i>Holacanthus limbaughi</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Pomacanthidae	<i>Holacanthus passer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacanthidae	<i>Pomacanthus zonipectus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Abudefduf concolor</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Abudefduf declivifrons</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Abudefduf troschelii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Azurina eupalama</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Azurina hirundo</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Chromis alta</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Chromis atrilobata</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Chromis crisma</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Chromis intercrisma</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Chromis limbaughi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Hypsypops rubicundus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Microspathodon bairdii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Microspathodon dorsalis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Nexilosus latifrons</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes acapulcoensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes arcifrons</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes baldwini</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes beebei</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes flavilatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes leucorus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes rectifraenum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Pomacentridae	<i>Stegastes redemptus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Priacanthidae	<i>Cookeolus japonicus</i>	LC	
Chordata	Actinopterygii	Perciformes	Priacanthidae	<i>Heteropriacanthus cruentatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Priacanthidae	<i>Priacanthus alalaua</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Priacanthidae	<i>Pristigenys serrula</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Ptereleotridae	<i>Ptereleotris carinata</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scaridae	<i>Nicholsina denticulata</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scaridae	<i>Scarus compressus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scaridae	<i>Scarus perrico</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scaridae	<i>Scarus rubroviolaceus</i>	LC	
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Atractoscion nobilis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Bairdiella armata</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Bairdiella ensifera</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Bairdiella icistia</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cheilotrema saturnum</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cilus gilberti</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Corvula macrops</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ctenosciaena peruviana</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion albus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion analis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion nannus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion nortoni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion othonopterus</i>	VU	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion parvipinnis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion phoxocephalus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion praedatorius</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion reticulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion squamipinnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion stoltzmanni</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Cynoscion xanthulus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Elattarchus archidium</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Genyonemus lineatus</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Isopisthus remifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Larimus acclivis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Larimus argenteus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Larimus effulgens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Larimus pacificus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Macrodon mordax</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus elongatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus nasus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus ophicephalus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus paitensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Menticirrhus undulatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Micropogonias altipinnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Micropogonias ectenes</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Micropogonias fasciatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Micropogonias manni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Micropogonias megalops</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Nebris occidentalis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Odontoscion eurymesops</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Odontoscion xanthops</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion imiceps</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion scierus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion simulus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion strabo</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion typicus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Ophioscion vermicularis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paralonchurus dumerilii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paralonchurus goodei</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paralonchurus peruanus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paralonchurus petersii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paralonchurus rathbuni</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Paranebris bauchotae</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Pareques fuscovittatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Pareques lanfeari</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Pareques perissa</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Pareques viola</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Roncador stearnsii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Sciaena callaensis</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Sciaena deliciosa</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Sciaena fasciata</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Sciaena wieneri</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Seriphus politus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer chrysoleuca</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer ephelis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer ericymba</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer furthii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer illecebrosus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer mancorensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer melanocheir</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer minor</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer oscitans</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer pizarroensis</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer walkeri</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer wintersteenorum</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Stellifer zestocarus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Totoaba macdonaldi</i>	CR	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina analis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina bussingi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina dorsalis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina galapagorum</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina imberbis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina reedi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina roncadore</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina wintersteeni</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sciaenidae	<i>Umbrina xanti</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Acanthocybium solandri</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Auxis rochei</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Auxis thazard</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Euthynnus lineatus</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Katsuwonus pelamis</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Sarda chiliensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Sarda orientalis</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Scomber australasicus</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Scomber japonicus</i>	LC	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Scomberomorus concolor</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Scomberomorus sierra</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Thunnus alalunga</i>	NT	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Thunnus albacares</i>	NT	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Thunnus obesus</i>	VU	
Chordata	Actinopterygii	Perciformes	Scombridae	<i>Thunnus orientalis</i>	LC	
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Acanthistius pictus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Alphestes immaculatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Alphestes multiguttatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Cephalopholis panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Cratinus agassizii</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Dermatolepis dermatolepis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum conceptione</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum eumelum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum euryplectrum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum labarum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum macropoma</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum maximum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum pacificum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum rostrum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Diplectrum sciurus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus acanthistius</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus analogus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus cifuentesii</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus clippertonensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus exsul</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus labriformis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus mystacinus</i>	LC	
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus niphobles</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Epinephelus quinquefasciatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Hemanthias peruanus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Hemanthias signifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Hemilutjanus macrophthalmos</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Liopropoma fasciatum</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Mycteroperca jordani</i>	EN	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Mycteroperca olfax</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Mycteroperca prionura</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Mycteroperca rosacea</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Mycteroperca xenarcha</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax albomaculatus</i>	EN	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax auroguttatus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax callaensis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax clathratus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax humeralis</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax loro</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax maculatofasciatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paralabrax nebulifer</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Paranthias colonus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Pronotogrammus eos</i>	LC	
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Pronotogrammus multifasciatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Pseudogramma axelrodi</i>	NT	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Pseudogramma thaumasium</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Rypticus bicolor</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Rypticus courtenayi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Rypticus nigripinnis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus aequidens</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus huascarii</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus psittacinus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus socorroensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus stilbostigma</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Serranidae	<i>Serranus tico</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sparidae	<i>Archosargus pourtalesii</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Sparidae	<i>Calamus brachysomus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sparidae	<i>Calamus taurinus</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sphyraenidae	<i>Sphyraena argentea</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sphyraenidae	<i>Sphyraena ensis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sphyraenidae	<i>Sphyraena idastes</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Sphyraenidae	<i>Sphyraena lucasana</i>	DD	Endemic
Chordata	Actinopterygii	Perciformes	Sphyraenidae	<i>Sphyraena genie</i>	LC	
Chordata	Actinopterygii	Perciformes	Stromateidae	<i>Peprilus medius</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Stromateidae	<i>Peprilus simillimus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Stromateidae	<i>Peprilus snyderi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Stromateidae	<i>Stromateus stellatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Trichiuridae	<i>Trichiurus nitens</i>	LC	
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus cocoensis</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus lucillae</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus multicinctus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus nigricaudus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus rubinoffi</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Axoclinus storeyae</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Crocodilichthys gracilis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Enneanectes carminalis</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Enneanectes reticulatus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Lepidonectes bimaculatus</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Lepidonectes clarkhubbsi</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Tripterygiidae	<i>Lepidonectes corallicola</i>	VU	Endemic
Chordata	Actinopterygii	Perciformes	Uranoscopidae	<i>Astroscopus zephyreus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Uranoscopidae	<i>Kathetostoma averruncus</i>	LC	Endemic
Chordata	Actinopterygii	Perciformes	Xiphiidae	<i>Xiphias gladius</i>	LC	
Chordata	Actinopterygii	Perciformes	Zanclidae	<i>Zanclus cornutus</i>	LC	
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Achirus klunzingeri</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Achirus mazatlanus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Achirus scutum</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Trinectes fimbriatus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Trinectes fluviatilis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Trinectes fonsecensis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Trinectes opercularis</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Achiridae	<i>Trinectes xanthurus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Bothus leopardinus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Bothus mancus</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Engyophrys sanctilaurentii</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Monolene asaedai</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Monolene dubiosa</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Monolene maculipinna</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Bothidae	<i>Perissias taeniopterus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus atramentatus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus atricaudus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus callopterus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus chabanaudi</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus elongatus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus fasciolaris</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus gorgonae</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus leei</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus melanurus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus melasmatotheca</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus oligomerus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus prolatinaris</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus undecimplerus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus varius</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Cynoglossidae	<i>Symphurus williamsi</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Ancylopsetta dendritica</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys fragilis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys gilberti</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys gnathus</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys gordae</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys mariajorisae</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Citharichthys platophrys</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Cyclopsetta panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Cyclopsetta querna</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Etropus ciadi</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Etropus crossotus</i>	LC	
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Etropus delsmanni pacificus</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Etropus ectenes</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Etropus peruvianus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Hippoglossina bollmani</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Hippoglossina macrops</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Hippoglossina stomata</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Hippoglossina tetrophthalmia</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Paralichthys adspersus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Paralichthys aestuarius</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Paralichthys californicus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Paralichthys woolmani</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Pseudorhombus binii</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Syacium latifrons</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Syacium longidorsale</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Syacium maculiferum</i>	DD	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Syacium ovale</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Paralichthyidae	<i>Xystreurys liolepis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Pleuronectidae	<i>Pleuronichthys guttulatus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Pleuronectidae	<i>Pleuronichthys ocellatus</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Pleuronectidae	<i>Pleuronichthys ritteri</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Pleuronectidae	<i>Pleuronichthys verticalis</i>	LC	Endemic
Chordata	Actinopterygii	Pleuronectiformes	Soleidae	<i>Aseraggodes herrei</i>	DD	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Pontinus clemensi</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Pontinus furcirhinus</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Pontinus sierra</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Pontinus strigatus</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Pontinus vughani</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena afuerae</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena guttata</i>	DD	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena histrio</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena mystes</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena russula</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaena sonora</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Scorpaenidae	<i>Scorpaenodes xyris</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Bellator farrago</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Bellator gymnostethus</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Bellator loxias</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Bellator xenisma</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus albirostris</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus birostratus</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus horrens</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus miles</i>	VU	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus ruscarius</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus stephanophrys</i>	LC	Endemic
Chordata	Actinopterygii	Scorpaeniformes	Triglidae	<i>Prionotus teaguei</i>	VU	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Ariopsis guatemalensis</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Ariopsis seemanni</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Bagre panamensis</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Bagre pinnimaculatus</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops dasycephalus</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops fuerthii</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops hypophthalmus</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops multiradiatus</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops steindachneri</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops taylori</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Cathorops tuyra</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Galeichthys peruvianus</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius armbrusteri</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius biffi</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius cookei</i>	VU	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius insculptus</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius kessleri</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius lentiginosus</i>	DD	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius planiceps</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Notarius troscheli</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Occidentarius platypogon</i>	LC	Endemic
Chordata	Actinopterygii	Siluriformes	Ariidae	<i>Sciades dowii</i>	LC	Endemic
Chordata	Actinopterygii	Syngnathiformes	Aulostomidae	<i>Aulostomus chinensis</i>	LC	
Chordata	Actinopterygii	Syngnathiformes	Fistulariidae	<i>Fistularia commersonii</i>	LC	
Chordata	Actinopterygii	Syngnathiformes	Fistulariidae	<i>Fistularia corneta</i>	LC	Endemic
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Balistes polylepis</i>	LC	Endemic
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Canthidermis maculata</i>	LC	
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Melichthys niger</i>	LC	
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Melichthys vidua</i>	LC	
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Pseudobalistes naufragium</i>	LC	Endemic
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Sufflamen verres</i>	LC	Endemic
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Xanthichthys caeruleolineatus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Balistidae	<i>Xanthichthys mento</i>	LC	
Chordata	Actinopterygii	Tetraformes	Diodontidae	<i>Chilomycterus reticulatus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Diodontidae	<i>Diodon eydouxii</i>	LC	
Chordata	Actinopterygii	Tetraformes	Diodontidae	<i>Diodon holocanthus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Diodontidae	<i>Diodon hystrix</i>	LC	
Chordata	Actinopterygii	Tetraformes	Molidae	<i>Mola mola</i>	LC	
Chordata	Actinopterygii	Tetraformes	Molidae	<i>Ranzania laevis</i>	LC	
Chordata	Actinopterygii	Tetraformes	Monacanthidae	<i>Aluterus monocerus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Monacanthidae	<i>Aluterus scriptus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Monacanthidae	<i>Cantherhines dumerilii</i>	LC	
Chordata	Actinopterygii	Tetraformes	Ostraciidae	<i>Lactoria diaphana</i>	LC	
Chordata	Actinopterygii	Tetraformes	Ostraciidae	<i>Ostracion meleagris</i>	LC	
Chordata	Actinopterygii	Tetraformes	Tetraodontidae	<i>Arothron hispidus</i>	LC	
Chordata	Actinopterygii	Tetraformes	Tetraodontidae	<i>Arothron meleagris</i>	LC	

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Canthigaster punctatissima</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Guentheridia formosa</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Lagocephalus lagocephalus</i>	LC	
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides angusticeps</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides annulatus</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides kendalli</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides lispus</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides lobatus</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides rosenblatti</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides sechurae</i>	LC	Endemic
Chordata	Actinopterygii	Tetraoformes	Tetraodontidae	<i>Sphoeroides trichocephalus</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Mangroves and seagrasses						
Tracheophyta	Liliopsida	Alismatales	Cymodoceaceae	<i>Halodule wrightii</i>	LC	
Tracheophyta	Liliopsida	Alismatales	Hydrocharitaceae	<i>Halophila baillonii</i>	VU	
Tracheophyta	Liliopsida	Alismatales	Ruppiaceae	<i>Ruppia maritima</i>	LC	
Tracheophyta	Liliopsida	Alismatales	Zosteraceae	<i>Zostera marina</i>	LC	
Tracheophyta	Magnoliopsida	Ericales	Ericaceae	<i>Pelliciera rhizophorae</i>	VU	
Tracheophyta	Magnoliopsida	Fabales	Caesalpiniaceae	<i>Mora oleifera</i>	VU	Endemic
Tracheophyta	Magnoliopsida	Lamiales	Acanthaceae	<i>Avicennia germinans</i>	LC	
Tracheophyta	Magnoliopsida	Lamiales	Verbenaceae	<i>Avicennia bicolor</i>	VU	Endemic
Tracheophyta	Magnoliopsida	Myrtales	Combretaceae	<i>Conocarpus erectus</i>	LC	
Tracheophyta	Magnoliopsida	Myrtales	Combretaceae	<i>Laguncularia racemosa</i>	LC	
Tracheophyta	Magnoliopsida	Polypodiales	Pteridaceae	<i>Acrostichum danaeifolium</i>	LC	
Tracheophyta	Magnoliopsida	Rhizophorales	Rhizophoraceae	<i>Rhizophora racemosa</i>	LC	
Tracheophyta	Magnoliopsida	Rhizophorales	Rhizophoraceae	<i>Rhizophora samoensis</i>	NT	
Tracheophyta	Magnoliopsida	Scrophulariales	Bignoniaceae	<i>Tabebuia palustris</i>	VU	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Reef-building corals						
Cnidaria	Hydrozoa	Milleporina	Milleporidae	<i>Millepora boschmai</i>	CR	
Cnidaria	Hydrozoa	Milleporina	Milleporidae	<i>Millepora exaesa</i>	LC	
Cnidaria	Hydrozoa	Milleporina	Milleporidae	<i>Millepora intricata</i>	LC	
Cnidaria	Hydrozoa	Milleporina	Milleporidae	<i>Millepora platyphylla</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Acroporidae	<i>Acropora valida</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Gardineroseris planulata</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Leptoseris hawaiiensis</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Leptoseris papyracea</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Leptoseris scabra</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona chiriquiensis</i>	LC	Endemic
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona clavus</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona duerdeni</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona explanulata</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona frondifera</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona gigantea</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona maldivensis</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona minuta</i>	NT	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona varians</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Agariciidae	<i>Pavona xarifae</i>	DD	Endemic
Cnidaria	Anthozoa	Scleractinia	Fungiidae	<i>Fungia curvata</i>	VU	
Cnidaria	Anthozoa	Scleractinia	Fungiidae	<i>Fungia distorta</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora capitata</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora damicornis</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora danae</i>	VU	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora effusus</i>	DD	Endemic
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora elegans</i>	VU	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora eydouxi</i>	NT	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora inflata</i>	VU	Endemic
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora ligulata</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora meandrina</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora verrucosa</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Pocilloporidae	<i>Pocillopora woodjonesi</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites arnaudi</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites australiensis</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites baueri</i>	DD	Endemic
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites lichen</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites lobata</i>	NT	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites lutea</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites panamensis</i>	LC	Endemic
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites rus</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Poritidae	<i>Porites sverdrupi</i>	VU	Endemic
Cnidaria	Anthozoa	Scleractinia	Siderastreidae	<i>Psammocora obtusangula</i>	NT	
Cnidaria	Anthozoa	Scleractinia	Siderastreidae	<i>Psammocora profundacella</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Siderastreidae	<i>Psammocora stellata</i>	VU	
Cnidaria	Anthozoa	Scleractinia	Siderastreidae	<i>Psammocora superficialis</i>	LC	
Cnidaria	Anthozoa	Scleractinia	Siderastreidae	<i>Siderastrea glynni</i>	CR	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Galapagos-endemic macroalgae						
Chlorophyta	Chlorophyceae	Chaetophorales	Chaetophoraceae	<i>Ectochaete perforans</i>	DD	Endemic
Chlorophyta	Ulvophyceae	Cladophorales	Cladophoraceae	<i>Rhizoclonium robustum</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Desmarestiales	Desmarestiaceae	<i>Desmarestia tropica</i>	CR	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Dictyopteris diaphana</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Dictyota galapagensis</i>	CR	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Dictyota major</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Padina conrescens</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Spatoglossum ecuadoreanum</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Dictyotales	Dictyotaceae	<i>Spatoglossum schmittii</i>	CR	Endemic
Ochrophyta	Phaeophyceae	Ectocarpales	Chordariaceae	<i>Zosterocarpus abyssicola</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Fucales	Sargassaceae	<i>Bifurcaria galapagensis</i>	CR	Endemic
Ochrophyta	Phaeophyceae	Fucales	Sargassaceae	<i>Sargassum albemarlense</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Fucales	Sargassaceae	<i>Sargassum galapagense</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Fucales	Sargassaceae	<i>Sargassum setifolium</i>	EN	Endemic
Ochrophyta	Phaeophyceae	Fucales	Sargassaceae	<i>Sargassum templetonii</i>	DD	Endemic
Ochrophyta	Phaeophyceae	Laminariales	Alariaceae	<i>Eisenia galapagensis</i>	VU	Endemic
Ochrophyta	Phaeophyceae	Sporochnales	Sporochnaceae	<i>Sporochnus rostratus</i>	DD	Endemic
Rhodophyta	Florideophyceae	Bonnemaisoniales	Bonnemaisoniaceae	<i>Asparagopsis svedelii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Antithamnion veleroae</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Callithamnion ecuadoreanum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Callithamnion epiphyticum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Ceramium hoodii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Ceramium howellii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Ceramium prostratum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Ceramium templetonii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Ceramiaceae	<i>Pleonosporium complanatum</i>	LC	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Alsidium pusillum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Chondria flexicaulis</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Laurencia congesta</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Laurencia densissima</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Laurencia ligulata</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Laurencia mediocris</i>	DD	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Laurencia oppositocladia</i>	CR	Endemic
Rhodophyta	Florideophyceae	Ceramiales	Rhodomelaceae	<i>Pterosiphonia paucicorticata</i>	DD	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Acrosorium papenfussii</i>	VU	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Austrofolium equatorianum</i>	VU	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Austrofolium howellii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Myriogramme kylinii</i>	CR	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Nitophyllum divaricatum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Phycodrina elegans</i>	CR	Endemic
Rhodophyta	Florideophyceae	Cermiales	Delesseriaceae	<i>Pseudolaingia hancockii</i>	VU	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Amphiroa compressa</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Amphiroa crustiformis</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Amphiroa galapagensis</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Archaeolithothamnion crosslandii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Goniolithon alternans</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithophyllum amplexatum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithophyllum complexum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithophyllum mutabile</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithophyllum rileyi</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithophyllum sancti-georgei</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithothamnion cottonii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Lithothamnion pocillum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Mesophyllum laxum</i>	DD	Endemic
Rhodophyta	Florideophyceae	Corallinales	Corallinaceae	<i>Tenarea erecta</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Gigartiniaceae	<i>Chondrus albemarlensis</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Gigartiniaceae	<i>Chondrus hancockii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Kallymeniaceae	<i>Kallymenia multiloba</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Kallymeniaceae	<i>Kallymenia setchellii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Kallymeniaceae	<i>Pugetia latiloba</i>	LC	Endemic

Phylum	Class	Order	Family	Genus_Species	RL	Endemism
Rhodophyta	Florideophyceae	Gigartinales	Phyllophoraceae	<i>Gymnogongrus smithii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gigartinales	Rhizophyllidaceae	<i>Ochtodes crokeri</i>	LC	Endemic
Rhodophyta	Florideophyceae	Gracilariales	Gracilariaceae	<i>Gracilaria ecuadoreanus</i>	DD	Endemic
Rhodophyta	Florideophyceae	Gracilariales	Gracilariaceae	<i>Gracilaria skottsbergii</i>	CR	Endemic
Rhodophyta	Florideophyceae	Halymeniales	Haymeniaceae	<i>Halymenia santamariae</i>	DD	Endemic
Rhodophyta	Florideophyceae	Halymeniales	Haymeniaceae	<i>Pachymenia saxicola</i>	LC	Endemic
Rhodophyta	Florideophyceae	Halymeniales	Haymeniaceae	<i>Prionitis galapagensis</i>	DD	Endemic
Rhodophyta	Florideophyceae	Halymeniales	Haymeniaceae	<i>Prionitis hancockii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Halymeniales	Haymeniaceae	<i>Schizymenia ecuadoreana</i>	CR	Endemic
Rhodophyta	Florideophyceae	Nemaliales	Galaxauraceae	<i>Galaxaura barbata</i>	CR	Endemic
Rhodophyta	Florideophyceae	Nemaliales	Galaxauraceae	<i>Galaxaura intermedia</i>	DD	Endemic
Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	<i>Botryocladia darwinii</i>	DD	Endemic
Rhodophyta	Florideophyceae	Rhodymeniales	Rhodymeniaceae	<i>Rhodymenia decumbens</i>	DD	Endemic
Rhodophyta	Florideophyceae	Sebdeniales	Sebdeniaceae	<i>Sebdenia rubra</i>	DD	Endemic