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List of Fishes of the Galapagos Archipelago, Ecuador (Version 2.0)

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Introduction

In preparation for the revised new edition of the 1997 book "The Fishes of the Galapagos Islands" by Jack Stein Grove and Robert J. Lavenberg, to be published next year by the EPCA, the East Pacific Corridor Alliance Foundation (www.epcafoundation.org), we have been reviewing literature and museum records and obtaining additional underwater photographs and specimens. A recent expedition sponsored by the EPCA in May 2024 conducted widespread surveys, and, in particular, intensive underwater photography and collecting for tissues for DNA sequencing (targeting cryptobenthic species, new records or species, and unresolved taxa). The fish species list published by us in Grove et al. (2022) is thus here updated, with a number of changes, mostly species added (usually deeper or mesopelagic species), but some species subtracted when we conclude evidence is lacking for inclusion, applying strict scientific criteria (see below). The total number of species listed is up to 683 from 644, the number of families is increased by 18 families to 178 (mostly added mesopelagic or deepwater families, a few taxonomic adjustments, and three removed).

Our updated list of fishes known to occur on and around the Archipelago are listed in Table 1 (in taxonomic order) and Table 2 (in family alphabetical order). We define the area as that encompassed by the Ecuadorean EEZ limits around the Galapagos Archipelago (Fig. 1), which extend well beyond the boundaries of the Galapagos Marine Reserve (Reserva Marina de Galápagos) and also include the new Reserva Marina Hermandad in the waters between Galapagos and the border of the Costa Rican EEZ limits around Cocos Island. The area covered includes the islands and adjoining shelf slope down to and including the abyssal region and the seamounts.

The present list includes 683 species of fishes, with 60 in Chondrichthyes (in 28 families) and 614 bony fishes (in 151 families), plus 8 hagfishes (Myxiniformes) and one cephalochordate (note Grove et al. (2022)

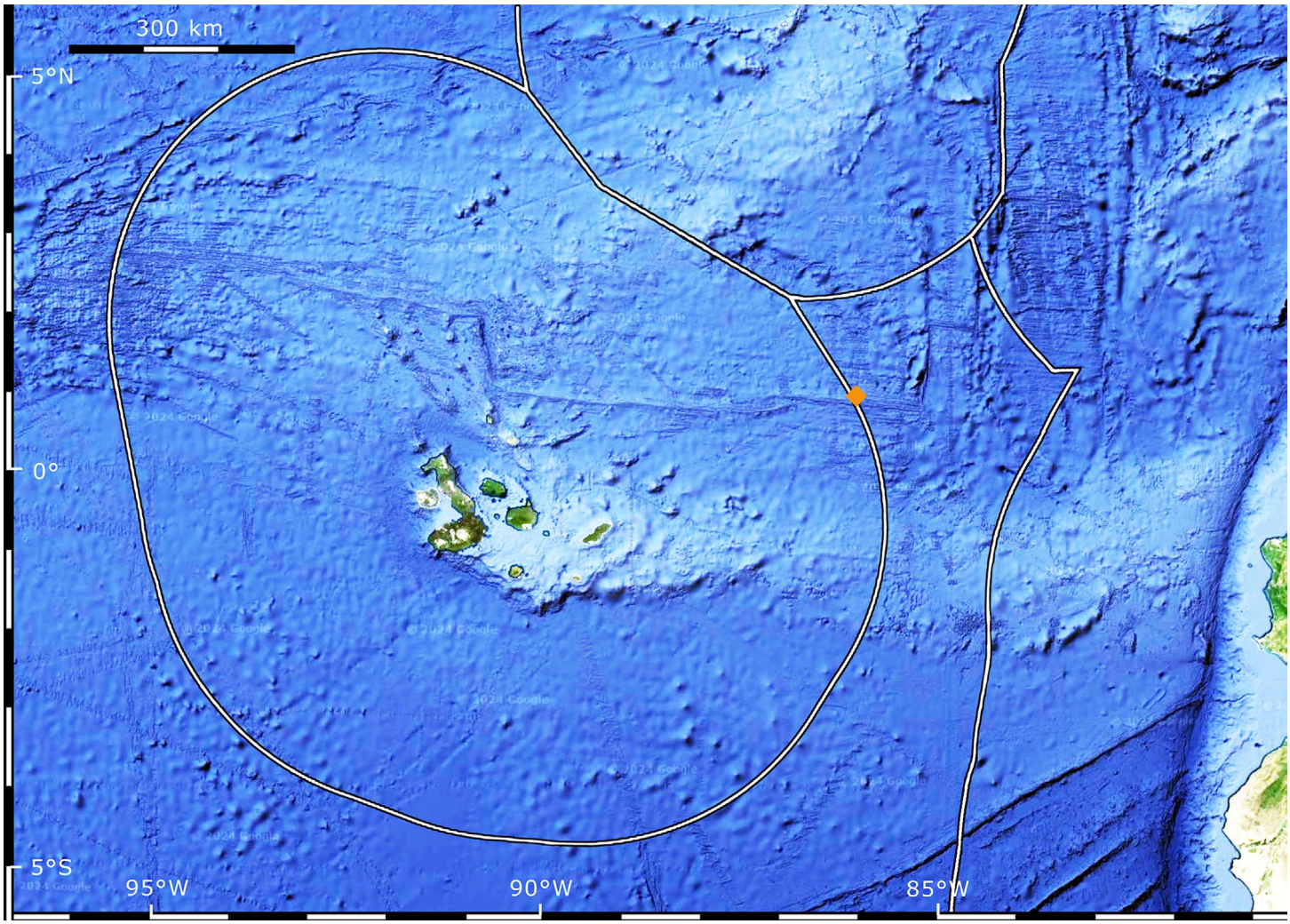

Figure 1. The bathymetric map of the Galapagos Archipelago and environs in the tropical eastern Pacific Ocean, showing the Ecuadorean Galapagos EEZ boundary ring. The orange diamond is the location of the larval collection from Victor (in press).

reported 56 chondrichthyans, but 61 (and 8 hagfishes) were in their list). Of the total, 77 are considered vagrants (3 chondrichthyans), many of which are Indo-Pacific coral-reef species that are sporadic, or even single, records. There are 67 documented endemic species (7 chondrichthyan species; 30 families of which 4 are chondrichthyans), about half deeper-water, benthic-associated species and the remainder mostly reef species with relatively short larval lives, such as blennioids, dactyloscopids, gobioids, and haemulids. For broad habitat categories, there are 260 shallow resident shorefishes (in 79 families) and 65 shallow shorefish vagrants (in 34 families, of which 7 are only vagrant: plus 12 non-shallow-shorefish vagrants); then 28 resident nearshore pelagics (Carangidae and Coryphaenidae); 121 deepwater non-pelagics (46 families); 96 offshore pelagics (38 families); and 112 mesopelagic species (30 families).

Methods

We evaluate whether each species comprises a resident population or can be considered a vagrant, defined as a species present as isolated individual(s) and likely not to be a self-recruiting population. Many offshore pelagic and deeper-water and mesopelagic species have few collection records, but are likely widespread in the region (often confirmed by deep ROV and submersible surveys), thus they are presumed to be residents. A few species are periodic residents, such as the Red-Shoulder Wrasse *Stethojulis bandanensis*, which can arrive in large numbers during the ENSO period and then subsequently dwindle and become rare (Victor et al. 2001).

We consider species that are limited to the Galapagos region as endemics, notwithstanding vagrant reports at adjacent areas. If there is a likely self-sustaining population of the species on any of the other offshore islands or mainland Ecuador or Peru (for cooler-water species), the species is not considered endemic to Galapagos. This definition reduces the endemism percentages cited in prior literature, some of which included "insular endemics" (to other offshore islands). Further reducing the endemism rate are some cooler-water fishes more recently found to be part of the mainland Ecuadorean and Peruvian fauna.

To clarify our criteria for inclusion, only species for which there are confirmed specimens in museums or diagnostic underwater or fresh photographs the authors have evaluated, are accepted for the list. Some uncertain identifications in museums have not yet been examined, but presently have no reason to be rejected, and they are included pending additional documentation. Isolated, juvenile, or solely photographic records of species outside their established ranges are subject to extra scrutiny before accepting their validity. Cases where there are observations only, even if by experienced observers, are not included, such as *Sphyrna mokarran*.

Due to the discovery of larvae of dozens of continental shorefish species in plankton-net collections from over the Rose Garden hydrothermal vents on the Galapagos Ridge (Victor, in press), a site on the EEZ boundary surrounding the archipelago (Fig. 1), records that are only from pelagic larvae or pelagic juveniles are not included. Another example, a giant larva (> 5cm) of the flatfish *Cyclopsetta querna*, was recently photographed passing in the plankton at Kicker Rock, off Cristobal (Alex Hearn, pers. comm.), yet it is a soft-bottom species never recorded in Galapagos. Another example is the especially large larva of *Symphurus melanurus* (at 36.6 mm SL) collected within the EEZ in waters over the Galapagos Ridge. The species does not occur in Galapagos and Munroe & Krabbenhoft (2010) considered it an expatriated larva from a continental source, a similar situation to the large set of shorefish larvae advected from the continental coast documented in Victor (in press). In contrast, late larvae and juveniles collected at lights at night over inshore waters potentially would be considered valid records, since these fishes usually show signs of being in the process of settlement, or are local inshore pelagic species.

If there is a definite species entity present, documented, but only identifiable to genus, it is considered sp.; if a new species with a specimen confirmed by the authors to have diagnostic features and awaiting description, then it is n. sp. Suspected additional species without agreed-upon diagnostic characters and confirmed specimens are not included as "sp. A", sp. B", or "sp. 1", despite being accepted in other published and unpublished species lists, due to the inevitable progressive inflation of species numbers by additional observers with varying degrees of expertise and confidence.

In addition to our own and colleagues' observations, collections, DNA sequences, and photographs, we critically evaluate the published literature and online sources of museum records (www.gbif.org; www.obis.org; www.fishnet2.net; www.fishbase.net; www.vertnet.org); Eschmeyer's Catalog of Fishes at https://researcharchive.

calacademy.org/research/ichthyology/catalog/fishcatmain.asp (Fricke, Eschmeyer & Van der Laan 2024); Robertson & Allen's (2024) guide Shorefishes of the Tropical Eastern Pacific (SFTEP) at https://biogeodb.stri.si.edu/sftep/en/pages; databases of DNA-sequence records (BOLD; www.boldsystems.org; GenBank: www.ncbi.nlm.nih.gov); and online sources of photographic evidence, such as www.inaturalist.org, and a variety of commercial photography platforms.

Endemism

The Galapagos fish fauna has been of special interest for studies of endemism on islated island groups, a key aspect of biogeography. A variety of features play a role in developing endemism among marine fishes, primarily the degree of isolation, by currents, delivery mechanisms, or distance from potential source populations, all interacting with the inherent dispersal ability of the species. Dispersal ability is affected by a number of factors, including whether eggs are benthic or released to be fertilized in the water column and subject to travel with currents. Among chondricthyan fishes, there is internal fertilization and either benthic development in egg cases or birth of competent juveniles. In bony fishes, almost all species have larvae that become pelagic after the hatching of benthic eggs or broadcast spawning; a few release developed larvae who are subsequently pelagic, and some groups have eggs, larvae and juveniles that stay near the bottom without a pelagic stage and are limited to the continental margins. For pelagic stages, dispersal ability is determined by the maximum potential length of the pelagic larval or juvenile duration (with or without association with flotsam); and the swimming ability and behavior of pelagic stages (Leis 2015).

The rates of island endemism are calculated with varying numerators and denominators by various authors. Some are not strict on endemism, including offshore island endemics (insular endemics), i.e. those species that also occur on Cocos Island and/or Malpelo. On the other hand, one could allow any vagrant appearance of a Galapagos fish species at the mainland to end its endemic classification. The former inflates the rate of endemism and the latter not only reduces endemism rates, but makes the estimate unstable, as vagrants inevitably occur and the endemism percentage would decrease steadily over time.

TABLE A

Percentage endemic species for a variety of fish faunal categories

(NUM is total count of species and END is the number of endemics in that category)

Category	code	ALL FISHES			Osteichthys			Chondrichthys			Chondrichthys + Myxiniformes		
		NUM	*END*	**%**	*NUM*	*END*	**%**	*NUM*	*END*	**%**	*NUM*	*END*	**%**
all fishes	total	683	67	**9.8**	614	52	**8.5**	60	7	**11.7**	68	15	**22.1**
all resident fishes	resident total	606	67	**11.1**	540	52	**9.6**	57	7	**12.3**	65	15	**23.1**
fishes (minus mesopelagics)	total-mid	572	67	**11.7**	503	52	**10.3**	60	7	**11.7**	68	15	**22.1**
resident fishes (minus mesopelagics)	res total-mid	495	67	**13.5**	429	52	**12.1**	57	7	**12.3**	65	15	**23.1**
shallow reef shorefishes	ss RV	325	36	**11.1**	319	36	**11.3**	7			7		
resident shallow reef shorefishes	ss res	260	36	**13.8**	254	36	**14.2**	7			7		
shallow inshore fishes *	ss np RV	353	36	**10.2**	347	36	**10.4**	7			7		
resident shallow inshore fishes	ss np res	283	36	**12.7**	277	36	**13.0**	7			7		
shallow fishes in & offshore	ss np op RV	449	36	**8.0**	413	36	**8.73**	35			35		
resident shallow fishes in & offshore	ss np op res	374	36	**9.6**	342	36	**10.5**	32			32		
shallow & deep inshore fishes	ss np d RV	476	67	**14.1**	436	52	**11.9**	31	7	**22.6**	39	15	**38.5**
resident shallow & deep inshorefishes	ss np d res	404	67	**16.6**	365	52	**14.2**	31	7	**22.6**	39	15	**38.5**

* shallow inshore fishes incude shallow shorefishes plus nearshore pelagics (carangids & *Coryphaena*)

As for the denominator, there are many ways to add up the total fauna, and various authors use different sets of fishes, and sometimes unstated. If one includes vagrants, the rate of endemism decreases as new vagrant detections accumulate. Adding in offshore pelagic species, or especially the many mesopelagic fishes, also sharply reduces the estimate of endemism rate, since those categories contribute few to no endemic species.

Rather than pick a number, we have tried to apportion out the sources of variation and allow for more precise comparisons to other published endemism rates. We present the varying estimates in Table A. The overall rate of fish fauna endemism is around 10–15%; specifically 11.1% for shallow non-pelagic shorefishes (13.8% without vagrants). Most authors include nearshore pelagics with the shallow shorefishes, in that case the rate is 10.2% (12.7% without vagrants). Including deeper-water shorefishes, raises the rate to 14.1% (16.6% without vagrants). Adding in offshore pelagic groups along with shallow shorefishes drops the rate to 8.0% (9.6% without vagrants). The chondrichthyan fishes have a higher rate of endemism, up to 22.6% among inshore species, dropping in half when the many pelagic elasmobranchs are included. The set of 8 endemic hagfishes pushes the inshore non-osteichthyan endemism rate up to 38.5%.

Published rates of endemism for the Galapagos begin with Rosenblatt & Walker (1963), where they arrive at a particularly high 23% endemism of "shore fishes", and then later in the article, 18% of "the species". They do not explain what categories are included.

McCosker & Rosenblatt (1984) estimated 51 endemic species from the shorefish plus nearshore pelagic category, but said 7 are also at Cocos or Malpelo, leaving 44 out of 306 total or 14.38%. Their category is closest to our "shallow and deep inshore fishes" in Table A, which includes our nearshore pelagics, where we enumerate 67 endemics out of 476 species (including vagrants), with a quite similar rate of 14.1%.

Grove & Lavenberg (1997) make an estimate of 9.4% endemics (41 of 437 species) with a somewhat different combination of categories, but subtracting 13 species of flyingfishes in the denominator, the 9.7% approaches the broad estimate of 10% endemism.

McCosker (1998) updated his numbers to 73 true endemics of 526 species of the "ichthyofauna", with no further categorization, yielding an estimate of 13.88% endemism (also unclear if vagrants are included and which non-reef species are included), and he then broadly estimates the endemism rate of the shorefishes as 14–16%.

McCosker & Rosenblatt (2010) update their estimates to 75 endemics (described as nearshore and deep slope) out of 550 species total (defined as all fishes not including mesopelagics) and calculate 13.6% endemism. Our matching estimate has fewer endemics at 67 from 572, yielding 11.7% endemism. They also calculate a category with 505 species total (excluding vagrants, mesopelagics, scombrids, echeneids, and exocoetids), and get 14.8% endemism. Our total excluding vagrants and mesopelagics is 494 species, and then excluding offshore pelagics, 403 species; if excluding offshore as only scombrids (10), echeneids (6), and exocoetids (10), we have 468 species with 14.3% endemism.

Tables

We present a variety of tables to optimize interpretations, for each species the family is also listed and then whether a resident, an endemic resident, or a vagrant:

Table 1 is the updated known species list in taxonomic order (following Catalog of Fishes order).

Table 2 is the same list in family alphabetical order.

Table 3 is the list of endemics (67 spp.).

Table 4 is the list of vagrants (76 spp.)

Table 5 begins with the practical species list for shallow resident shorefishes (260 spp.), then nearshore pelagics (28 spp.), these two groups comprise the species to be expected to be observed by scuba divers.

Table 6 is deepwater non-pelagic fishes (123 spp.),

Table 7 is offshore pelagic species (95 spp.),

Table 8 is mesopelagic species (111 spp.).

Table 9 is the table from Grove et al. (2022), retaining the original list on each original page, with bold font indicating added species (binomial), spelling corrections, changes in status, or updated taxonomy, and bold with a strike-through for species subtracted.

Notes on changes to the Grove et al. (2022) list

Additions or replacements

(Spelling corrections and simple species additions based on more recently reviewed museum records are not listed. Note that shallow-water rare or uncommon records are added as vagrants, while deeper-water fishes, typically difficult to survey or document, are usually considered residents.)

Branchiostomatidae is added since these cephalochordates are often included in lists of fishes and can be collected along with fishes along shallow shores.

Carcharodon carcharias is added to the list as a vagrant based on the recent documentation of a white shark at a fish aggregating device baited with sperm whale, adrift off Wolf, at the edge of the Marine Reserve, well within the EEZ (Salinas-de-León et al. 2024). A white shark had reportedly been observed underwater by Jonathan Green at Playa Escondida on Santa Fe in 1991, but no photographs were obtained to confirm the identification (Grove & Lavenberg 1997). In addition, a tooth morphologically matching *C. carcharias* was found by author JSG on a beach at Urvina Bay, Isabela (Todd & Grove 2010). The tooth bears signs of the type of erosion from rolling in sand, so it was either a naturally and recently-deposited shed tooth, or it possibly could have eroded out of earlier Holocene or Pleistocene sediments known from Isabela (the tooth currently cannot be located in the CDF collections).

Aetobatus ocellatus replaces *Aetobatus laticeps* based on a genetic study that found Galapagos specimens' sequences of cyt-b match the Indo-Pacific population of *A. ocellatus* and not the California type population of *A. laticeps* (Diana Pazmino, pers. comm). It may replace *A. laticeps* in Galapagos, Cocos, and Malpelo, however it is possible both species occur in the archipelago.

Hydrolagus melanophasma is added to the list based on a photograph obtained by author PSdL and it also appeared in recent video from an ROV in the "Hydrothermal Vents of the Western Galapagos" project.

Gymnothorax porphyreus is added to the list since it was recently photographed on Fernandina by author WBS, Carol Cox, and Frank Krasovec on the 2024 EPCA Foundation photographic survey. The species is found in Peru, but has not been seen previously or collected in Galapagos, despite the fact it is a large and distinctively marked moray, thus we consider it a vagrant. Described from the Juan Fernandez Islands off Chile, it is unclear which population of this complex is the true *G. porphyreus*: the mtDNA barcode database reveals that there is an Easter Island lineage 4% divergent from a Peruvian lineage (equidistant from the type location), with an additional New Zealand lineage about 3% away (also labeled *G. porphyreus*). Thus the Peruvian lineage, nearest to Galapagos, may or may not represent true *G. porphyreus*.

Bascanichthys bascanoides is added since it was recently photographed by Carlos Estape at Floreana on the 2024 EPCA Foundation photographic survey. This genus of snake eel typically buries in sand and they are rarely observed even when common (e.g. off Florida), thus a photograph in Galapagos likely means a resident population.

Bathytroctes macrolepis is added due to the record MCZ 50743, within the EEZ, of *Bathytroctes alvifrons* Garman, 1899, now considered a junior synonym of *B. macrolepis*; it replaces *B. microlepis* which is also present in the TEP (Robertson et al. 2017) but not confirmed in the Galapagos.

Maurolicus breviculus Parin & Kobyliansky, 1993, described from the open ocean midway between Galapagos and Ecuador, falls within a widespread Indo-Pacific clade 4C when DNA-sequenced in the phylogenetic study by Rees et al. (2020). The clade contains a set of species likely oversplit taxonomically, and accordingly it is synonymized with *M. australis* Hector, 1875 (described from New Zealand, and the senior synonym), along with Chilean *M. parvipinnis* Vaillant, 1888; Japanese *M. japonicus* Ishikawa, 1915; and South African *M. walvisensis* Parin & Kobyliansky, 1993. *M. australis* replaces the record of *M. amethystinopunctatus*, which is an Atlantic species and in a different clade.

Astronesthes galapagensis Parin, Borodulina & Hulley, 1999 replaces *A. boulengerie* Gilchrist, 1982, described as the TEP sister species of from South Africa. Four additional *Astronesthes* species occur in waters around Galapagos and are added to the list (Parin & Borodulina 2003), replacing *A. martensii* which is from the Indian Ocean.

Aulopus chirichignoae was described recently from Peru (Bearez et al. 2024) and replaces the listing of the northern sister species, *A. bajacali* from Baja California. The mtDNA sequence from SIO 02-68 from the Paramount Seamounts near Galapagos (GenBank EU366559) matches the Peruvian sequences, and that lineage is 2.65% from the Baja California lineage of *A. bajacali*.

Desmodema polystictum is added to the list, identified from a recent photograph of the characteristic polka-dotted juvenile at Isabela in 2021 by Carlos Palma, referred by Alex Hearn.

Regalecus russellii is added to the list, identified from a 2022 video referred by Alex Hearn, from fishermen off Santiago showing a giant oarfish on the boat, with the diagnostic features of a length of about 3 m, a mostly uniform body width, and rounded spots.

Cataetyx rubirostris Gilbert, 1890, known from Oregon to Chile, is added to the list based on SIO 90-69 from the Galapagos, the taxonomic status of the specimen needs to be confirmed.

Paracaristius sp. is added here for juvenile records of this genus in the region since recent reports indicate that both *P. nudarcus* and *P. maderensis* are present in the TEP, and identifications from juveniles are difficult (Angulo et al. 2014).

Evorthodus minutus, a brackish and freshwater goby from the continental coastline, is added to the list as a vagrant based on a single adult collected from a tidepool in Academy Bay, Santa Cruz, during the Templeton Crocker Expedition in 1932 (Valencia-Mendez, Catania & López-Pérez 2019). Although they discussed stepping-stone travel from island to island and ballast water as dispersal mechanisms, Victor (in press) collected and mtDNA-sequenced numerous pelagic larvae of continental brackish and freshwater gobioids at a site over the Galapagos Ridge near the EEZ boundary, including *Evorthodus minutus*, *Erotelis armiger*, *Gobiomorus maculatus*, and *Sicydium* spp., all presumably being advected from the Central American coastline.

Sphyraena stellata was recently described by Morishita & Motomura (2020) as the striped barracuda from the central Pacific; on the list it replaces *S. helleri*, the relative that is endemic to Hawaii. A population of *S. stellata* apparently occurs infrequently in Galapagos, where they have been photographed over multiple years at Wolf (a video transect in 2015 and recently by author WBS), as well as at Baltra (iNaturalist photograph). The identification is based on the similar appearance, i.e. a blue upper midlateral stripe overlying yellow and/or darker stripes along the flanks. Note that the local *S. idiastes* has a yellow stripe, but it is midlateral, brighter anteriorly where it extends onto the head, and not accompanied by dark stripes on the flanks (also note juveniles of all barracudas can have dark stripes). Despite being infrequently encountered, photographs and videos show these barracudas swimming in schools, thus qualifying the population in the archipelago as resident (Mossbrucker et al. 2023).

Polydactylus approximans is added since it does reach the archipelago as vagrants on occasion. Two adults have been collected, both on Santa Cruz, CDRS 11459 in 1963 and CDRS 10711 in 2012. Two older records, at both SIO and LACM, refer to samples brought to the museum(s) by J. Mershon, who spent time on a tuna clipper between the continent and Galapagos, thus the provenance of the fish is not known. A 15-mm pelagic juvenile of this species was collected and mtDNA-sequenced from a site over the Galapagos Ridge (Victor, in press).

Decapterus macarellus is added based on recent photographs by Allison Morgan Estape and Carlos J. Estape on Pinta during the 2024 EPCA Foundation photographic survey showing the diagnostic all-yellow tail and mid-lateral bright blue stripe. The species is found worldwide in tropical and subtropical oceans and thus would be expected in Galapagos as well.

Scartichthys gigas is added as a vagrant since it has been observed sporadically in Galapagos, with a photograph from San Cristobal in the first edition of the guide by Humann & DeLoach (1993) labeled as the Blackstriped Blenny “a possibly undescribed species”, but left out of the later edition. Author WBS has also photographed the species on Floreana. The species is a vagrant arriving from its native range in Peru and Chile.

Lutjanus colorado is added as a vagrant based on a photograph of a single adult from the mangroves on Isabela

in 2014 by David Acuña-Marrero (Mossbrucker et al. 2023).

Diplectrum spp. have been documented in Galapagos, in small numbers, under a variety of names and with an abundance of confusion. Only two species are confirmed. One is added to the list, *Diplectrum rostrum*, from Tagus Cove (FMNH 41433), it was identified in the review of the genus by Bortone (1977). In addition, the mtDNA barcode of a specimen collected by BCV from Tagus Cove in June 1999 matched *D. rostrum* from Baja California. Interestingly, the only place *Diplectrum* were found in the EPCA Foundation photographic survey was also Tagus Cove, and there were several documented. The second species is a single record of two small *Diplectrum eumelum*, confirmed by BCV in SIO 15-1254: with no apparent resident population, it is included in the list as vagrant. The other species that have been listed for Galapagos are removed from the list, see below under subtractions.

Sebastolobus altivelis is added to the list based on a photograph of a deep scorpionfish at the Paramount Seamount along the Cocos Ridge (within the Ecuadorean EEZ) from the NOAA Galápagos Rift Expedition in 2011. This temperate-zone genus has only recently been documented in the TEP, when Robertson et al. (2017) collected a specimen off Costa Rica, extending the known range southwards by almost 3,000 km. That specimen was DNA-barcoded and it matched to the lineage of *Sebastolobus altivelis* from California. Based on that, we assign the species photographed at Paramount Seamount to *S. altivelis*. We consider it a resident since these deepwater scorpionfish are difficult to find and recognize and likely occur more widely.

Kyphosus cinerascens is added to the list as a vagrant based on a recent photograph by Carlos Estape from Wolf. The identification is confirmed by Kendall Clements (pers. comm.).

Kyphosus sectatrix is added to the list as a resident based on a series of recent photographs by WBS from Floreana, Darwin (as a partial xanthic morph) and three individuals together at Marchena; by Allison M. Estape at Floreana and Baltra; the identifications are confirmed by Kendall Clements (pers. comm.). Since few people are able to identify these species, they are likely well undercounted.

Lobotes pacifica is added to the list as a vagrant based on a recent photograph by David Acuña-Marrero of adults at a buoy at Wolf (Mossbrucker et al. 2023).

Naso hexacanthus is added to the list as a vagrant based on a recent photograph from Floreana; author IK notes the species has been observed previously at Darwin and Floreana during ENSO periods.

Lactoria diaphana is added to the list as a vagrant based on a single 82-mm specimen collected at a nightlight in Tagus Cove in 1967 (SIO 15-2501). This species is exceptional in that adults can be pelagic and most specimens are collected in offshore waters or from stomachs of pelagic predators. While frequent in the northern part of the TEP, this is the only specimen from Galapagos or the wider central or southern TEP.

Aluterus monoceros is added to the list as a vagrant based on recent photographs from Genovesa by Greg Estes (pers. comm.) and from Bartolome by Sylvain Le Bris on iNaturalist.

Subtractions

Sphyrna mokarran may have been seen once underwater, by Robert Lavenberg (Grove & Lavenberg 1997), however no photographs were taken and no other divers at the time made a similar observation, nor have there been any observations since. It is removed from the list.

Sphyrna tiburo has been previously listed as a Galapagos species, however, we have found no current or historical evidence of the species in the Galapagos and it is removed from the list. A recent genetic study (Aroca, Tavera & Torres 2022) resurrected the name *Sphyrna vespertina*, previously considered an eastern Pacific subspecies of *S. tiburo*. The COI mtDNA sequence of a Peruvian *S. vespertina* is 1.16% divergent from Atlantic *S. tiburo*.

Chimaera sp. is removed from the list, there are no records or photographs.

Bathycongrus n. sp. is removed from the list; it has been proposed, but does not have diagnostic criteria at present.

Chiloconger dentatus (Garman, 1899) has been collected as leptocephalus larvae over the Galapagos Ridge and DNA-barcoded (Victor, in press); there were 20 larvae 43–158 mm SL, but no benthic specimens have been collected within the EEZ. The species is removed from the list, even though it is very likely to be found in deepwater collections or videos.

Gnathophis cinctus (Garman, 1899) has not been identified from any non-larval specimen in the area, and therefore

is removed from the list, even though it is very likely to be found in deepwater collections or videos. Notably, the holotype of the species is a leptocephalus larva (MCZ 28428) collected by Garman in the Galapagos near Marchena, described as *Atopichthys cinctus*, but no benthic specimen has been forthcoming. Additional leptocephali have been collected since within the EEZ (SIO 55-234 and 72-39).

Japanoconger n. sp. is removed from the list; it has been proposed, but does not have diagnostic criteria at present.

Bregmaceros mcclellandi Thompson, 1840 (often misspelled) is removed from the list since it is now considered limited to the Indian Ocean (Anderson 2022). *Bregmaceros bathymaster* Jordan & Bollman, 1890 is described from the TEP while *B. longipes* Garman, 1899, also from the TEP, is designated a junior synonym (Torii, harold & Ozawa 2003). Harold & Baltzegar (2023) also examined *B. atlanticus* specimens from the TEP (and described *Bregmaceros moseri* from Hawaii and the South Pacific Gyre and perhaps the California Current). However, there are only two records of *Bregmaceros* from Galapagos, and neither has been identified to species (MCZ 33059 as "*B. nectabanus*" and CAS 46082 as "sp."), leaving *B. bathymaster* the putative species and likely a vagrant arrival.

Merluccius angustimanus occurs along the continental margin from Baja California to Colombia, while *Merluccius gayi* is described from Chile, and reported from coastal Ecuador and Peru; it is arguably distinct from *M. angustimanus* (Pérez et al. 2021). We remove *M. gayi* from the list since no apparent record can be found for the genus in Galapagos. The species was said to be "uncommonly seen" in Grove & Lavenberg (1997) and is listed in McCosker & Rosenblatt (2010), with no evidence. Similarly, Arturo Angulo (pers. comm.) reports that no records at UCR are from Cocos Island, only from the mainland (e.g. Bussing & Lopez's (2004) listing of UCR 1243-1). Lloris, Matallanas & Oliver (2005) do not extend any of the species to any offshore islands of the TEP in their book "Hakes of the World".

Porichthys margaritatus is removed from the list even though it has been included in the Galapagos fauna in all prior listings, however there are no records after 1929. But, as toadfishes, *Porichthys* do not have pelagic larvae, and therefore do not occur on any (other) off-shelf islands anywhere in the New World (Robertson & Van Tassell 2023, Robertson & Allen 2024); even a Hawaiian record (MHNH 1896-0178) is also a location error. There are numerous apparent errors in the catalogs that suggest the species was not in Galapagos. Multiple records are from the 1888 *Albatross* Expedition, but always missing a date (most other records of continental *Porichthys* from the expedition have dates). The first error is the record of *Porichthys "nautopedium"* CAS (SU) 227 (5 fish, no date) that says "paratype", but the description of *P. nautopedium* (now a junior synonym) in Jordan & Bollman (1890; p. 171 & 172) says the new species was collected "off coast of Colombia" at stations 2795 & 2802 and those are in the Gulf of Panama (Colombia in 1890). Additional collections labeled Galapagos are CAS (SU) 5849 & 5850 (9 fish with no date) and USNM 41161 (2 fish with no date, no station, and notably all adjacent accession numbers are *Albatross* collections from Panama). In the species list at the end of the article, Jordan & Bollman (1890; p. 182) have "Indefatigable" along with the collection station numbers that are all Panama (perhaps a slip-up since the line right after the range sentence of *P. nautopedium* is the name *O. indefatigabile*). Another old record, of *Porichthys* "*notatus*" CAS (SU) 54413, is listed as from Eden Island, Galapagos, on 13 January 1929 during the Herre Expedition; however Herre's complete list of fishes they collected (Herre 1936, p. 13 & 14) does not include the *Porichthys*. Finally, an additional catalog record, USNM 305007, with 27 fish, from 3 April 1967, has apparently erroneous coordinates of 4.65°, -109.4°, well out into the open ocean west of Galapagos, but that was from a Puerto Rican AEC Laboratory expedition and it was surveying the Bay of Panama in that month, and on 4 April 1967, the next day, they collected at the mouth of the Sabana River in the Bay of Panama (USNM 303234).

Thunnus alalunga, the Albacore Tuna, is a more temperate species usually found above and below 10° latitude. Records get confused since the common name is frequently confounded with *Thunnus albacares*, the ubiquitous Yellowfin Tuna. Although the IATCC illustrates the species from the general area, no specific or unequivocal record of *T. alalunga* can be traced to Galapagos waters and it is removed from the list.

Bollmannia is removed from the list since it does not occur in Galapagos. The records of *B. macropoma* are a product of an erroneous identification by Bedenbaugh (1988, p. 19: as from "Galapagos. Punta Arenas: CAS 3559 (1; 62.0)") of a specimen of *Dialommus fuscus*, listed in CAS 3559. It was collected by the Templeton-

Crocker Expedition at Santa Cruz in Galapagos, and identified as *Crockeridius odysseus* Clark, 1936 (a junior synonym of *D. fuscus*). Similarly, Bedenbough (1988, p. 26) erroneously lists *B. umbrosus* as from "Galapagos. Port Angeles Light: CAS 4733 (1; 44.5). Santa Maria Bay: CAS 2685 (1; 69.2)"; however, the former collection in the catalog is from Oaxaca and the latter from Sinaloa, both Mexico.

Nematistius pectoralis is listed in the Crane Expedition fishes by Herre (1936) who reported "a number of large specimens" caught line fishing in Tagus Cove, Isabela. However, we remove the species from the list since those specimens were not retained and there are no known photographs or museum specimens. Fernando Rivera (pers. comm.) reports that over many years he has seen none brought in by fishermen.

Remora australis is removed from the list since there are no known photographs or specimens.

Cypselurus angusticeps is removed from the Galapagos list following the most recent review by Shakhovskoy & Parin (2024) which considers *C. angusticeps* in the TEP to be limited to a northern range, extending south only to about 14° N. They do not accept the old map sector listed for the species in Parin et al. (1990; south of the Galapagos, one degree square 4–5° S, 88–89° W), with no specimen known, noting that Parin did not include that record in his subsequently reviews of the flyingfishes.

Hirundichthys rondeletii (Valenciennes, 1847) is considered a worldwide species complex, with the type population limited to the Mediterranean and Atlantic, and thus removed from the list. Parin & Belyanina (2002) split the subtropical complex with *H. rufipinnis* (Valenciennes, 1847) in the subtropical southern Pacific to Peru and Chile and *H. gilberti* (Snyder, 1904) from Japan, Hawaii, and across to the California Current. The tropical range between those two is filled by *H. marginatus* (Nichols & Breder, 1928), which is not a member of the complex: mtDNA sequences shows it closer to the *H. affinis* and *H. speculiger* clade than to *H. rondeletii* and *H. rufipinnis* (Lewallen 2019). A second TEP congener, *H. speculiger*, is a circumglobal species widely distributed in the Pacific (Shakhovskoy 2018). There are a couple of *H. albimaculatus* records, but well south of Galapagos, that may represent vagrants from the central Pacific range for the species (Parin & Belyanina 2002).

Parexocoetus brachypterus is removed from list since Parin et al. (1990) do not record the species at or below the equator, and Parin (1995) illustrates the species as neritic along the continental shelf from Panama to Ecuador. Note that juveniles of other genera can have a "*Parexocoetus*-stage" which can lead to potential misidentifications (Shakhovskoy & Parin 2024).

Prognichthys spp. are removed from the list since collection records concentrate north of Galapagos and exclude the area around Galapagos and southwards; Parin et al. (1990) do not record either regional species of *Prognichthys* at or below the equator. Parin (1995) has the shading for the vast Pacific range of *P. sealei* ending about at Galapagos, but with no collection records, and his *P. tringa* range is limited to the neritic zone along the continent. Ilia Shakhovskoy (pers. comm.) recommends species identifications not be made from photographs of flyingfishes. In his review of species ranges he specifically "refused to use literature data and data from databases of the internet due to a large number of misidentifications of flying fish species" (Shakhovskoy 2018).

Ekemblemaria sp. has been on Galapagos species lists for many years, however it was based on an underwater observation of a shallow, hole-dwelling blennioid fish on Plazas Islands by John McCosker in 1977 who considered it an undescribed species of *Ekemblemaria* (McCosker, Taylor & Warner 1978). He relates "I saw three or four in the worm tubes attached to that rock. But that's all that I saw after numerous searches at that and other similar locations.. and tried numerous times to collect it. I never succeeded. David Doubilet photographed it with its fin extended outside of the worm tube" (John McCosker, pers. comm., 6 August 2022). David Doubilet's photograph has been lost to follow up with no photograph resulting from contacts with him. Given that no additional encounters have occurred over many years, the existence of the entity cannot be confirmed and it is removed from the list (note that the color image 112 in Grove & Lavenberg (1997) of a blenny with a blue-spotted head is likely a juvenile *Acanthemblemaria castroi*).

Cookeolus japonicus is removed from the list since there are no known photographs or specimens.

Cilus gilberti and *Cynoscion phoxocephalus* are removed from the list since they are continental sciaenids with the only records being SIO collections donated by fishermen on tuna clippers fishing between the mainland and the islands, and including species from both locations (and often also with multiple species from the

continent, e.g. of *Macrodon*, *Nebris*, *Sciaena*, *Larimus*): i.e. SIO 50-292 (with 5 species of sciaenids), SIO 54-174, and SIO 79-51). A photograph of a 2-cm juvenile sciaenid from Galapagos (we have not seen) cannot be identified with any certainty (Grove & Lavenberg 1997).

Mycteroperca xenarcha Jordan, 1888 is removed from the list, even though it was described from a type specimen putatively from Galapagos (MCZ 24198), collected on the 1872 Hassler Expedition, which also collected in Peru after departing the Galapagos. In the same Galapagos collection, there are specimens also called *M. olfax*, and in the Peruvian collections the next month there are specimens called both species. However, no *M. olfax* has been collected in Peru since 1872, and no *M. xenarcha* has been seen in Galapagos since then. There are many inconsistencies in the collection data from MCZ records: among others, the species is described from a "seven inch" specimen and the present holotype is 365 mm SL; notes say specimens have been removed from jars and renumbered; written catalog entries do not match other data for the specimen(s) (e.g. MCZ 10223 lists 4 specimens of *M. olfax* from Peru); and Jordan (1888, p. 387) writes "several specimens of this species from the Galapagos Islands are in the [MCZ], these were mixed with specimens of the more common *Mycteroperca olfax*, from the same locality." However, no other *M. xenarcha* are recorded from Galapagos, and their finding multiple specimens in Galapagos argues persuasively that fishes on the expedition had been mislabeled, at the time and/or subsequently at museums.

Diplectrum spp. have been documented in Galapagos, but only two species are confirmed (see above under additions). All other species are not confirmed; the easiest to discard are the records from SIO collections derived from ships in transit that combine shorefishes from Peru or Panama along with Galapagos species (SIO 50-292 listing *Diplectrum pacificum* and SIO 79-51 listing *Diplectrum maximum*). Furthermore, small juveniles should not be able to be identified to species, indeed, juvenile records examined by BCV proved to be *Serranus psittacinus*, an abundant species with a midlateral stripe superficially similar to *Diplectrum* (i.e. USNM 321375, LACM 45634-20, and LACM 45654-1). The FMNH 41433 *D. rostrum* is labeled in databases as *D. pacificum*, the name assigned prior to the description of *D. rostrum* in 1974; a photograph of the museum specimen is easily confirmed as *D. rostrum* by BCV. Bortone's review of the genus concluded there are 4 species in the Galapagos, but he (and others) includes *Diplectrum euryplectrum* on a misreading of the type location of the species, it is not Galapagos but Panama (Jordan & Bollman 1880, pp. 157, 158, 181). He also includes *Diplectrum macropoma* based solely on CAS 1569, however that specimen is also from the *Albatross* collection, and Jordan & Bollman (1880, pp. 157) in their enumeration of that *Albatross* collection show *D. macropoma* as only collected from Panama. Note that the locations are errors or suspect for a series of CAS records of *Albatross* specimens listed as "Galapagos" (e.g. CAS 10348, 10793–10800), likely someone assuming all expedition records were specifically from Galapagos.

Paralabrax humeralis is removed from the list since there are no confirmed photographs or specimens; the species is limited to Peru and Chile (Hildebrand 1946, Daniel Pondella, pers. comm.) and not included in modern Galapagos listings, where the endemic *P. albomaculatus* is the only accepted species (Grove & Lavenberg 1997, McCosker & Rosenblatt 2010, Robertson & Allen 2024). There are a series of listings more than 70 years old, many from Tagus Cove (where *P. albomaculatus* are frequently encountered). It appears that early surveys called the native *P. albomaculatus* as *P. humeralis*, to wit Seale (1940) listed only *P. humeralis* from the Allan Hancock collections adding that they were "the common seabass of the Galapagos" and "easily distinguished by the row of large white blotches", i.e. *P. albomaculatus*.

Peristedion barbiger Garman, 1899 is removed from the list since there is a single Galapagos record, from the 1905 *Albatross* collection from off Espanola (CAS 35299), while all subsequent collections are *Peristedion crustosum* Garman, 1899, including several recent submersible specimens (some from near the old *Albatross* locality). According to Richards & McCosker (1998), the only *Peristedion* in Galapagos is *P. crustosum*. The fish in CAS 35299 are presently missing from the collection (Jon Fong, pers. comm.).

Pontinus sp. A, B and C are removed from the list; they were listed by McCosker & Rosenblatt (2010) without diagnostic criteria (there is no indication they meant sp. A to correspond to *Pontinus* sp. A (Rosy) documented by Robertson et al. (2017) off Panama, Costa Rica, Nicaragua, and El Salvador). They add that those three unknown species they have observed deep in Galapagos are in addition to *Pontinus clemensi* (the common "brujo" providing much of the fishery catch in the archipelago), *Pontinus strigatus*, and one new observation

of *Pontinus vaughani.*

Pontinus vaughani is removed from the list since we have not seen photographs or specimens of that northern species in Galapagos (it is found from Baja California south to Clipperton). McCosker & Rosenblatt (2010) report a single photograph was taken, but we have not yet been able to confirm it.

Pontinus strigatus Heller & Snodgrass, 1903 was described from a single small specimen taken from the stomach of a shark off Wolf. Notably, the authors did not compare the specimen to *Pontinus furcirhinus* Garman, 1899, described a few years before from large series of specimens off Panama and Colombia. The small holotype shares the elongated third dorsal-fin spine diagnostic of *P. furcirhinus* and has no features that differentiate it from small *P. furcirhinus*. Furthermore, underwater videos and photographs show that *P. furcirhinus* is one of the most common fishes observed below 100 m around Galapagos, and the second most frequent *Pontinus* landed in the fishery at Puerto Ayora (locally called "brujo de lomo negro"; Carlos J. Estape, pers. comm.). A third and smaller species of *Pontinus* can be seen in photographs of heaps of *Pontinus* landed at Puerto Ayora; it has short dorsal-fin spines and no obvious spotting, features which fit the widespread *Pontinus sierra* in the region. *Pontinus* larvae were collected in large numbers over the hydrothermal vents at the EEZ boundary, including *P. furcirhinus* and *P. sierra* (with DNA barcodes). We thus can confirm three species in Galapagos: *P. clemensi, P. furcirhinus*, and *P. sierra*, and any others await additional observations and/or photographs.

Abantennarius coccineus is removed from the list since there are no confirmed photographs or specimens. McCosker (1998), in his book review of Grove & Lavenberg (1997), reports a photograph by Paul Humann is the only Galapagos record for *A. coccineus*, and refers to Robert Myers as the source, but Myers does not have any information on that (pers. comm.). Ted Pietsch (pers. comm.) cited McCosker & Rosenblatt's (2010) listing, but he has not found any specimens from Galapagos; he adds that no photographs in the Humann guides are *A. coccineus*.

Mola mola is removed from the list since there are no confirmed photographs or specimens. A genetic study found all the *Mola* sampled in Galapagos (but that was 9 fish from Punta Vicente Roca) proved to be *Mola alexandrini* (Thys et al. 2014; as "*M. ramsayi*"), now listed as a resident. Until evidence is obtained, we do not confirm the presence of *M. mola*. While considered the southern species, *M. alexandrini* can be found in some northern locations and both species are documented in South Africa (Thys et al. 2014).

Ranzania laevis is removed from the list since there are no known photographs or specimens.

Taxonomic name changes

Stomias atriventer Garman, 1899 is elevated from the TEP subspecies of widespread *S. boa* found throughout the remaining Indo-Pacific (Fricke, Eschmeyer & Van der Laan 2024).

Scopelogadus bispinosus was considered a subspecies of *S. mizolepis*: Kotlyar (2021) elevated the TEP population to species status.

Carapinae is now classified as a sub-family of Ophidiidae (replacing Carapidae) after recent phylogenetic studies (Betancur et al. 2017).

Ophidion sp. A, a long-standing entity listed in Galapagos was recently described as *Ophidion galapagensis* by Lea & Robins (2024).

Cataetyx simus (Garman, 1899) includes a syntype from within the EEZ (MCZ 28633). Note the family listed for this species is corrected from Ophidiidae to Bythitidae.

Aphanopus capricornis is known in the TEP from a single Galapagos specimen (CAS 86497) collected during a volcanic eruption at Fernandina (McCosker et al. 1997), initially listed as *A. intermedius*, an Atlantic species, later corrected to *A. capricornis* in McCosker & Rosenblatt (2010).

Trichiurus nitens Garman, 1899 is the sole member of the genus described from the TEP (Fricke, Eschmeyer & Van der Laan 2024), the mtDNA barcode lineage is about 2% divergent from multiple lineages for the widespread Atlantic and Indo-West Pacific populations of nominal *T. lepturus*.

Cosmocampus coccineus (Herald, 1940), described from the Galapagos, is elevated by Hamilton et al. (2016) from a subspecies of *Cosmocampus arctus* (Jenkins & Evermann, 1889) which was described from the Sea

of Cortez.

Doryrhamphus melanopleura is the Pacific Ocean sister species to Indian Ocean *D. excisus*, and the TEP population is presently considered *D. melanopleura* (Fricke, Eschmeyer & Van der Laan 2024); however the barcode mtDNA sequence of a fish from Galapagos is 2.3% divergent from *D. melanopleura* in French Polynesia.

Microdesminae is now classified as a subfamily of Gobiidae (replacing Microdesmidae) after recent phylogenetic studies (Nelson, Grande & Wilson 2016, Betancur et al. 2017).

Schindleria praematura is now classified in a subfamily of Gobiidae (replacing Schindleriidae) after recent phylogenetic studies (Nelson, Grande & Wilson 2016, Betancur et al. 2017).

Oligoplites inornatus Gill, 1863 is elevated from a subspecies of *Oligoplites saurus* (Bloch & Schneider, 1801), originally described from the Caribbean (Fricke, Eschmeyer & Van der Laan 2024).

Platybelone argalus pterura (Osborne & Nichols, 1916) is now listed as a subspecies of *P. argalus* (Lesueur, 1821), a circumglobal single species complex. It is a subjective decision (given the ambiguity of subspecies), but since the putative vicariant event is more likely isolation from the central Pacific Ocean and not from the rise of the Panama isthmus, the potential for gene flow across the East Pacific Barrier has not been assessed. At present, the mtDNA sequence for TEP *P. argalus pterura* is only 0.9% divergent from Indo-Pacific and Atlantic subspecies of *P. argalus*, but that is based on a single TEP sequence and additional specimens may well unite the lineages and bring into question the status of the sub-population.

Hemilutjanus macrophthalmus has long had an unresolved phylogenetic placement and classification. Smith et. al. (2022) recently used molecular phylogenetic analyses to conclude that it is an acropomatiform taxon most fitting the family Malakichthyidae.

Anisotremus scapularis replaces *Genyatremus scapularis* since phylogenetic studies show the species is closely related to other *Anisotremus* species (Tavera et al. 2014).

Epinephelidae, Liopropomatidae, Grammistidae, and Anthiadidae have been recently elevated to families after traditionally being considered as subfamilies of Serranidae (Near & Thacker 2024). Ma & Craig (2018) justify the family status of Epinephelidae.

Cephalopholis colonus replaces *Epinephelus colonus* or *Paranthias colonus* since phylogenetic studies show the species is closely related to other *Cephalopholis* species within the family Epinephelidae (Ma & Craig 2018).

Bodianus darwini replaces *Semicossyphus darwini* since phylogenetic studies show *Semicossyphus* is within a broad *Bodianus* clade (Fricke, Eschmeyer & Van der Laan 2024).

Trachyscorpia was assigned to Sebastidae, however Sebastinae and Setarchinae have been determined to be subfamilies of Scorpaenidae after recent phylogenetic studies (Nelson, Grande & Wilson 2016, Betancur et al. 2017).

Epigonus merleni is replaced by *Epigonus macrops* since a reexamination by Okamoto, Bartsch & Motomura (2012) of the unique holotype skimmed from the surface during the underwater eruption of Isla Fernandina (McCosker et al. 1995, McCosker & Long 1997) found it to be a junior synonym of *E. macrops*, a circumglobal species originally described from Sumatra.

Changes in endemic status

Myxinidae: the 8 recently described hagfish species (Mincarone et al. 2021) are considered endemic since their depth ranges are on the upper slope (not abyssal), promoting isolation. Reproduction by benthic eggs would also reduce dispersal, and thus far the species have only been found on Galapagos. Nevertheless, hagfishes are poorly documented in the region and some or all of these species may prove to be more widespread.

Bythaelurus giddingsi, *Apristurus* n. sp., *Galeus* n. sp., and *Rajella eisenhardti* are all now considered endemic species since no confirmed records exist outside the Galapagos Archipelago.

Hydrolagus alphus, Hydrolagus mccoskeri, and *Hydrolagus* n. sp. are all now considered endemic species since no confirmed records exist outside the Galapagos Archipelago.

Calamus taurinus (Jenyns, 1840) is now considered an endemic since it was described from Galapagos, but without clear distinguishing features from *Calamus brachysomus* (Lockington, 1880), described from Baja

California, it may be that it is the senior synonym for populations outside the Galapagos as well.

Umbrina galapagorum is returned to endemic status since it was not recognized due to a single record from Cocos Island at of 11 fish from the 1891 *Albatross* expedition (MCZ 30796). However, all subsequent collections, from the very limited beach area on the island, by seining shallows or poisoning the freshwater outflow at Wafer Bay, caught large numbers of *Umbrina xanti* (38 from SIO 77-89; 40 from LACM 35473.007; UBC 540402; AMNH I-8528). We presume the same fish collected in the same very restricted habitat on the island are the same species.

Larimus pacificus is changed to vagrant based on the single adult specimen collected by John McCosker in Academy Bay, Santa Cruz (CAS 54887). Only one other record exists (LACM 44086), from a local fisherman with no provenance.

Idiastion hageyi McCosker, 2008 and *Phenacoscorpius mccoskeri* Wiboro & Motomura, 2017 are changed to endemic, since they are described from unique holotypes collected from a submersible: the former from a single specimen off Fernandina (at 522 m) and the latter from a single collection off Darwin (at 515 m). However, underwater videos from elsewhere in the region show scorpionfishes that fit the descriptions, but are not confirmed as either species. It is very likely they are both found outside the Galapagos.

Paraliparis darwini Stein & Chernova, 2002 and *Paraliparis galapagosensis* Stein & Chernova, 2002 are changed to endemic, since they are described from unique holotypes collected from a submersible.

Changes in resident status

Aetomyleus asperrimus is changed to a vagrant since only a single museum record exists from Galapagos: FMNH 41572, collected in 1941 at Elizabeth Bay in Isabela.

Mobula thurstoni is changed to a resident since individuals and schools have been photographed at multiple locations in the archipelago (Mossbrucker et al. 2023), and at Floreana by Serenity Mitchell, and Santa Cruz and Cousin's Rock by Carlos J. Estape on the 2024 EPCA Foundation photographic survey.

Gymnothorax buroensis is an Indo-Pacific moray, changed to a vagrant since there are only three known museum specimens and no photographs.The collections are quite old, from the *Velero III* in 1932 and 1933 (LACM 45664.002 & 45620.003 and one from 1968 at SIO 74-103).

Phaenomonas pinnata was listed as a vagrant, however this genus of snake eel typically buries in sand and they are very rarely observed or collected within their known range; two were collected in Floreana in SIO 12-3083, causing a change to resident status.

Fistularia corneta is changed to a vagrant since only a single record exists from Galapagos, a juvenile 198 mm SL from a nightlight collection on Isabela (SIO 63-73).

Microdesmus dipus Gunther, 1864 is changed to a vagrant since it is known from a single individual described as the new species *Microdesmus reidi* Myers & Wade, 1946 collected from a tidepool at Darwin Bay, Genovesa on the *Velero III* Allan Hancock Foundation Expedition in 1938 (LACM 21031). Dawson (1968) did not mention this species when he reviewed *M. dipus*. The specimen does not match the meristics (51 dorsal-fin elements while *M. dipus* ranges from 53–58 among a notably large sample of 175 individuals examined by Dawson). Furthermore, *M. reidi* was a relatively large adult, 67.5 mm SL, documented in life to be translucent yellowish-gray, and "the only real color" a pink belly, while *M. dipus* has complex dark blotches and bars on the head and body (and most adult specimens were smaller than 67 mm SL). The species identification is thus tentative.

Tylosurus fodiator is changed to a vagrant since there are apparently only two records: a one-meter specimen collected by Fiddi Angermeyer in 1984 at Marchena (LACM 43663-1) and one by John McCosker from Bartolome in 1998 (USNM 352054). The species is large, conspicuous, and easy to catch on hook and line, so very unlikely to escape detection. All other *Tylosurus* records from Galapagos are apparently *Strongylura exilis* under various synonyms, including *Tylosurus exilis*, *T. stolzmanni* (Jordan & Bollman 1890), and *T. scapularis*.

Tylosurus pacificus (Steindachner, 1875) is changed to a vagrant since Collette & Banford (2001) report a

single specimen from Galapagos collected by the Fifth Vanderbilt Expedition; it was originally described as *Strongylura galapagensis* Fowler, 1944 (now a junior synonym). The close (about 1% divergent) sister species *Tylosurus melanotus* is also present in the TEP (often as *T. acus melanotus*, a subspecies of a circumtropical *T. acus*, but there is a 3% divergence in mtDNA from Caribbean *T. acus* to TEP *T. melanotus*). Collette & Banford (2001) noted *T. pacificus* co-occurs with *T. melanotus* in the region.

Xenichthys xanti has few records in the archipelago, all but one from before about 70 years ago (MCZ 25578, CAS 3881, 3882, 3883, 24414, FMNH 22625, CMNFI 1968-0592.14; and recent LACM 45588-7 from author JSG) and some are questionable, we list it as vagrant until specimens can be confirmed. The distinction from endemic *Xenichthys agassizii* can be difficult.

Epinephelus analogus has always been considered present at Galapagos, since it was listed in Jordan & Bollman (1880, p. 181) as collected at Floreana. However, at present the only *Albatross* specimens at CAS are from Panama (CAS 381 & 3807). There is one confirmed specimen, collected by Eibl-Eibesfeldt at Santa Cruz in 1960 (SMF 5758, photographed). It is frequently reported from visual surveys, but juvenile *Mycteroperca olfax*, abundant at Galapagos, can have spots in a pattern very similar to *E. analogus*. Small *M. olfax* can be distinguished by being longer and slimmer with thin blue edging on the rear dorsal, anal, and caudal fins and the spots on the caudal fin tend to merge into dark lines posteriorly. Humann & DeLoach (2003, p. 87) label a photo of a small *M. olfax* as *E. analogus*, and this guide is reported by author WBS to be used by researchers doing underwater visual surveys and contributing data to databases. Collection records show that almost all specimens are continental, with only rare records from offshore islands. Fourriére et al. (2017, Table S1) list the species at Cocos Island, but the entry stands out for having no museum records and no observations from their extensive field work and only listed as from literature. A recent photograph from a fisherman in Galapagos confirms the species is present, but we list it as a vagrant based on its exceptional rarity.

Calotomus carolinus is changed to a vagrant since almost none are documented in the Galapagos; author WBS recently photographed an adult at North Seymour. McCosker, Taylor & Warner (1978) include *Calotomus carolinus* (as *Calotomus spinidens*) in the new records found on the 1977 California Academy of Sciences' Galapagos Expedition; however, only a single specimen is in museums (CAS 39292). While *C. carolinus* has crossed the East Pacific Barrier and has a resident population in the Revillagigedo Islands and Baja California, *C. spinidens* does not range far into the central Pacific, dropping out after the Marshall Islands in the north and Tonga in the south (Choat & Randall 1986).

Euprepocaranx dorsalis, Ferdauia orthogrammus, Acanthurus triostegus, and *Xanthichthys mento* are changed to vagrants since they are only sporadically observed and rarely collected, hence not considered a self-sustaining population.

Other notes

Alopias vulpinus (not in lists) has been reported in longline catches off Galapagos (Cerutti-Perreyra et al. 2020), and in the list of Hearn et al. (2014), however no diagnostic photographs are available to discern if it is the coastal *A. vulpinus*, or the similar oceanic and insular *A. pelagicus*.

Myliobatis peruviana is considered the southern TEP sister species of the northern *M. californica*. The *M. longirostris* listed in Mossbrucker et al. (2020) is a misidentified *M. peruviana*.

Facciolella equatorialis (Gilbert, 1891) is considered the senior synyonm of *Facciolella gilberti* (Garman, 1899) since both names are used for specimens collected in the same place at different museums, without clear distinguishing features. A single mtDNA lineage, with 3 sequences is documented for the genus from California, 2.16% divergent from *Facciolella "oxyrhynchus"* from the western Pacific.

Narcetes erimelas is listed due to the record MCZ 28476, within the EEZ, of *Bathytroctes alveatus* Garman, 1899, now considered a junior synonym of *N. erimelas* (Fricke, Eschmeyer & Van der Laan 2024).

Lestidiops pacificus (Parr, 1931) is described from a series of specimens from Puerto Vallarta, Mexico and *L. neles* (Harry, 1953) was later described for one different specimen found among the paratypes of *L. pacificus*. Thus far, only *L. pacificus* has been identified in Galapagos (CAS 86744, ID by Hans Ho), but additional

Galapagos juveniles at SIO are recorded as "sp.".

Ogilbia ventralis (not in lists) was described from Baja California and is recorded from the Galapagos in multiple museum listings. However, Møller, Schwarzhans & Nielsen (2005) reviewed *Ogilbia* and noted that all of the numerous Galapagos *Ogilbia* they examined proved to be *O. deroyi*. Curiously, they could find no specimens of *O. galapagosensis* in museums (the types are lost), but there is a photograph by Tui DeRoy in Grove & Lavenberg (1997, p. 223, fig.113) and this species apparently occurs only in a few shoreline cave systems on Santa Cruz.

Priacanthus (not in lists) has not been recorded in Galapagos (or the TEP south of latitude 18° N), other than a juvenile discussed in Starnes (1988 p. 173: USNM 135644, 41.7 mm SL). The specimen was collected in 1888 by the *Albatross* Expedition in a trawl down to 717 m depth in open ocean about 30 km north of Genovesa. Pelagic *Priacanthus* juveniles at 30–40 mm SL are reported in Starnes (1988), thus this specimen was likely in a pelagic stage and not settled (at over 700 m depth) and has not been included in the list. Starnes (1988) reports the specimen to have scale and gill-raker counts somewhat between the widespread Indo-Pacific *P. hamrur* and the Hawaiian sister species *P. meeki*. He suggested it may be a new TEP species *P.* aff. *meeki*, but cautioned that no other specimens had been found and added that these fishes are relatively easily collected; if he had known that almost 40 years later there was still no sign of them, he would likely agree it is not a new species. The meristic differences are minor and the variation in the vast range of *P. hamrur* is still not well-documented, thus it cannot be ruled out as a vagrant pelagic juvenile from a central Pacific *P. hamrur* population or a vagrant *P. meeki* from elsewhere.

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TABLE 1 (p. 1)

Fishes of the Galapagos Archipelago
(683 spp. in taxonomic order)

Species	Family	Resident Vagrant Endemic
Branchiostomus elongatus	Branchiostomatidae	R
Eptatretus goslinei	Myxinidae	RE
Eptatretus grouseri	Myxinidae	RE
Eptatretus mccoskeri	Myxinidae	RE
Eptatretus bobwisneri	Myxinidae	RE
Myxine greggi	Myxinidae	RE
Myxine phantasma	Myxinidae	RE
Myxine martinii	Myxinidae	RE
Rubicundus lakeside	Myxinidae	RE
Hexanchus griseus	Hexanchidae	R
Notorynchus cepedianus	Hexanchidae	R
Heterodontus quoyi	Heterodontidae	R
Rhincodon typus	Rhincodontidae	R
Odontaspis ferox	Odontaspididae	R
Alopias pelagicus	Alopiidae	R
Alopias superciliosus	Alopiidae	R
Carcharodon carcharias	Lamnidae	V
Isurus oxyrinchus	Lamnidae	R
Bythaelurus giddingsi	Scyliorhinidae	RE
Galeus n. sp.	Scyliorhinidae	RE
Apristurus kampae	Pentanchidae	R
Apristurus n. sp.	Pentanchidae	RE
Mustelus albipinnis	Triakidae	R
Mustelus mento	Triakidae	R
Triakis maculata	Triakidae	R
Carcharhinus albimarginatus	Carcharhinidae	R
Carcharhinus altimus	Carcharhinidae	R
Carcharhinus amblyrhynchos	Carcharhinidae	V
Carcharhinus falciformis	Carcharhinidae	R
Carcharhinus galapagensis	Carcharhinidae	R
Carcharhinus limbatus	Carcharhinidae	R
Carcharhinus longimanus	Carcharhinidae	R
Nasolamia velox	Carcharhinidae	R
Prionace glauca	Carcharhinidae	R
Triaenodon obesus	Carcharhinidae	R
Galeocerdo cuvier	Galeocerdonidae	R
Sphyrna lewini	Sphyrnidae	R
Sphyrna zygaena	Sphyrnidae	R
Isistius brasiliensis	Dalatiidae	R
Centroscyllium nigrum	Etmopteridae	R
Centrophorus squamosus	Centrophoridae	R
Echinorhinus cookei	Echinorhinidae	R
Tetronarce tremens	Torpedinidae	R
Pseudobatos planiceps	Rhinobatidae	R
Rajella eisenhardti	Rajidae	RE
Rostroraja velezi	Rajidae	R
Bathyraja abyssicola	Arhynchobatidae	R
Bathyraja peruana	Arhynchobatidae	R
Bathyraja richardsoni	Arhynchobatidae	R
Bathyraja spinosissima	Arhynchobatidae	R
Gurgesiella furvescens	Gurgesiellidae	R
Hypanus dipterurus	Dasyatidae	R
Hypanus longus	Dasyatidae	R
Pteroplatytrygon violacea	Dasyatidae	R
Taeniurops meyeni	Dasyatidae	R
Styracura pacifica	Potamotrygonidae	R
Aetobatus ocellatus	Aetobatidae	R
Aetomylaeus asperrimus	Myliobatidae	V
Myliobatis peruviana	Myliobatidae	R
Rhinoptera steindachneri	Rhinopteridae	R
Mobula birostris	Mobulidae	R
Mobula mobular	Mobulidae	R
Mobula munkiana	Mobulidae	R
Mobula tarapacana	Mobulidae	R
Mobula thurstoni	Mobulidae	R
Hydrolagus alphus	Chimaeridae	RE
Hydrolagus mccoskeri	Chimaeridae	RE
Hydrolagus melanophasma	Chimaeridae	R
Hydrolagus n. sp.	Chimaeridae	RE
Elops affinis	Elopidae	V
Albula esuncula	Albulidae	V
Halosaurus attenuatus	Halosauridae	R
Notacanthus spinosus	Notacanthidae	R
Ilyophis arx	Synaphobranchidae	R
Ilyophis brunneus	Synaphobranchidae	R
Myroconger nigrodentatus	Myrocongridae	R
Anarchias galapagensis	Muraenidae	R
Echidna nebulosa	Muraenidae	R
Echidna nocturna	Muraenidae	R
Enchelycore lichenosa	Muraenidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Enchelycore octaviana	Muraenidae	R
Gymnomuraena zebra	Muraenidae	R
Gymnothorax angusticeps	Muraenidae	R
Gymnothorax buroensis	Muraenidae	V
Gymnothorax castaneus	Muraenidae	R
Gymnothorax dovii	Muraenidae	R
Gymnothorax flavimarginatus	Muraenidae	V
Gymnothorax javanicus	Muraenidae	V
Gymnothorax meleagris	Muraenidae	V
Gymnothorax panamensis	Muraenidae	R
Gymnothorax pictus	Muraenidae	V
Gymnothorax porphyreus	Muraenidae	V
Gymnothorax undulatus	Muraenidae	V
Muraena argus	Muraenidae	R
Muraena clepsydra	Muraenidae	R
Muraena lentiginosa	Muraenidae	R
Scuticaria tigrina	Muraenidae	V
Uropterygius macrocephalus	Muraenidae	R
Uropterygius polystictus	Muraenidae	R
Uropterygius versutus	Muraenidae	R
Chlopsis bicollaris	Chlopsidae	R
Apterichtus equatorialis	Ophichthidae	R
Bascanichthys bascanoides	Ophichthidae	R
Callechelys galapagensis	Ophichthidae	RE
Herpetoichthys fossatus	Ophichthidae	R
Ichthyapus selachops	Ophichthidae	R
Myrichthys xysturus	Ophichthidae	R
Ophichthus arneutes	Ophichthidae	RE
Ophichthus rugifer	Ophichthidae	R
Paraletharchus opercularis	Ophichthidae	R
Phaenomonas pinnata	Ophichthidae	R
Quassiremus evionthas	Ophichthidae	R
Scytalichthys miurus	Ophichthidae	V
Facciolella equatorialis	Nettastomatidae	R
Ariosoma gilberti	Congridae	R
Bathycongrus varidens	Congridae	R
Heteroconger klausewitzi	Congridae	R
Japonoconger proriger	Congridae	R
Paraconger californiensis	Congridae	R
Paraconger similis	Congridae	R
Xenomystax atrarius	Congridae	R
Nemichthys scolopaceus	Nemichthyidae	R
Serrivomer sector	Serrivomeridae	R
Anguilla marmorata	Anguillidae	R
Anchoa argentivittata	Engraulidae	R
Anchoa ischana	Engraulidae	R
Cetengraulis mysticetus	Engraulidae	V
Engraulis ringens	Engraulidae	R
Harengula thrissina	Clupeidae	R
Lile stolifera	Clupeidae	R
Opisthonema berlangai	Clupeidae	RE
Opisthonema libertate	Clupeidae	R
Etrumeus acuminatus	Dussumieriidae	R
Sardinops sagax	Alosidae	R
Bathytroctes microlepis	Alepocephalidae	R
Einara macrolepis	Alepocephalidae	R
Narcetes erimelas	Alepocephalidae	R
Photostylus pycnopterus	Alepocephalidae	R
Holtbyrnia latifrons	Platytroctidae	R
Maulisia isaacsi	Platytroctidae	R
Platytroctes apus	Platytroctidae	R
Chanos chanos	Chanidae	R
Argentina aliceae	Argentinidae	R
Bathylagoides nigrigenys	Bathylagidae	R
Leuroglossus stilbeus	Bathylagidae	R
Dolichopteryx pseudolongipes	Opisthoproctidae	R
Cyclothone acclinidens	Gonostomatidae	R
Cyclothone alba	Gonostomatidae	R
Cyclothone atraria	Gonostomatidae	R
Cyclothone obscura	Gonostomatidae	R
Cyclothone pallida	Gonostomatidae	R
Cyclothone signata	Gonostomatidae	R
Diplophos proximus	Gonostomatidae	R
Argyropelecus aculeatus	Sternoptychidae	R
Argyropelecus affinis	Sternoptychidae	R
Argyropelecus lychnus	Sternoptychidae	R
Argyropelecus olfersii	Sternoptychidae	R
Argyropelecus sladeni	Sternoptychidae	R
Maurolicus australis	Sternoptychidae	R
Sternoptyx diaphana	Sternoptychidae	R

TABLE 1 (p. 3)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Sternoptyx obscura	Sternoptychidae	R
Sternoptyx pseudobscura	Sternoptychidae	R
Valencienellus tripunctulatus	Sternoptychidae	R
Ichthyococcus irregularis	Phosichthyidae	R
Vinciguerria lucetia	Phosichthyidae	R
Vinciguerria poweriae	Phosichthyidae	R
Yarella argentiola	Phosichthyidae	R
Astronesthes cyanea	Stomiidae	R
Astronesthes galapagensis	Stomiidae	R
Astronesthes gibbsi	Stomiidae	R
Astronesthes indica	Stomiidae	R
Astronesthes lampara	Stomiidae	R
Bathophilus filifer	Stomiidae	R
Borostomias elucens	Stomiidae	R
Borostomias panamensis	Stomiidae	R
Chauliodus barbatus	Stomiidae	R
Chauliodus sloani	Stomiidae	R
Idiacanthus antrostomus	Stomiidae	R
Malacosteus niger	Stomiidae	R
Stomias atriventer	Stomiidae	R
Stomias colubrinus	Stomiidae	R
Guentherus altivela	Ateleopodidae	R
Aulopus chirichignoae	Aulopidae	R
Chlorophthalmus mento	Chlorophthalmidae	R
Bathypterois atricolor	Ipnopidae	R
Bathypterois pectinatus	Ipnopidae	R
Ipnops agassizii	Ipnopidae	R
Rosenblattichthys volucris	Scopelarchidae	R
Scopelarchoides nicholsi	Scopelarchidae	R
Scopelarchus guentheri	Scopelarchidae	R
Scopelosaurus hubbsi	Notosudidae	R
Synodus lacertinus	Synodontidae	R
Synodus scituliceps	Synodontidae	R
Synodus sechurae	Synodontidae	R
Lestidiops pacificus	Paralepididae	R
Stemonosudis macrura	Paralepididae	R
Evermannella ahlstromi	Evermannellidae	R
Scopelengys tristis	Neoscopelidae	R
Bolinichthys longipes	Myctophidae	R
Centrobranchus nigroocellatus	Myctophidae	R
Diaphus pacificus	Myctophidae	R
Diaphus rafenesqii	Myctophidae	R
Diaphus termophilus	Myctophidae	R
Diaphus theta	Myctophidae	R
Diogenichthys laternatus	Myctophidae	R
Gonichthys tenuiculus	Myctophidae	R
Gonichthys venetus	Myctophidae	R
Hygophum reinhardti	Myctophidae	R
Lampadena luminosa	Myctophidae	R
Lampanyctus hubbsi	Myctophidae	R
Lampanyctus idostigma	Myctophidae	R
Lampanyctus macropterus	Myctophidae	R
Lampanyctus omostigma	Myctophidae	R
Lampanyctus parvicauda	Myctophidae	R
Lampanyctus ritteri	Myctophidae	R
Lampanyctus tenuiformis	Myctophidae	R
Loweina rara	Myctophidae	R
Myctophum affine	Myctophidae	R
Myctophum aurolaternatum	Myctophidae	R
Myctophum brachygnathum	Myctophidae	R
Myctophum nitidulum	Myctophidae	R
Notolychnus valdiviae	Myctophidae	R
Notoscopelus elongatus	Myctophidae	R
Notoscopelus resplendens	Myctophidae	R
Symbolophorus evermanni	Myctophidae	R
Symbolophorus reversus	Myctophidae	R
Triphoturus mexicanus	Myctophidae	R
Triphoturus oculeum	Myctophidae	R
Desmodema polystictum	Trachipteridae	R
Zu cristatus	Trachipteridae	R
Regalecus russellii	Regalacidae	R
Stylephorus chordatus	Stylephoridae	R
Bregmaceros bathymaster	Bregmacerotidae	V
Trachyrincus helolepis	Trachyrincidae	R
Antimora rostrata	Moridae	R
Gadella filifer	Moridae	R
Gadella thysthlon	Moridae	RE
Laemonema gracillipes	Moridae	R
Physiculus nematopus	Moridae	R
Coelorinchus canus	Macrouridae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Coryphaenoides anguliceps	Macrouridae	R
Coryphaenoides armatus	Macrouridae	R
Coryphaenoides boops	Macrouridae	R
Coryphaenoides bucephalus	Macrouridae	R
Coryphaenoides bulbiceps	Macrouridae	R
Coryphaenoides delsolari	Macrouridae	R
Coryphaenoides gypsochilus	Macrouridae	RE
Coryphaenoides myersi	Macrouridae	RE
Mataeocephalus tenuicauda	Macrouridae	R
Nezumia convergens	Macrouridae	R
Nezumia loricata	Macrouridae	RE
Nezumia stelgidolepis	Macrouridae	R
Nezumia ventralis	Macrouridae	RE
Melamphaeus laeviceps	Melamphaidae	R
Melamphaeus spinifer	Melamphaidae	R
Poromitra crassiceps	Melamphaidae	R
Poromitra frontosa	Melamphaidae	R
Poromitra jucunda	Melamphaidae	R
Poromitra nigrofulva	Melamphaidae	R
Poromitra oscitans	Melamphaidae	R
Scopeloberyx opisthopterus	Melamphaidae	R
Scopeloberyx robustus	Melamphaidae	R
Scopelogadus bispinosus	Melamphaidae	R
Rondeletia loricata	Rondeletiidae	R
Cetomimus gillii	Cetomimidae	R
Hoplostethus pacificus	Trachichthyidae	RE
Anoplogaster cornuta	Anoplogastridae	R
Myripristis berndti	Holocentridae	R
Myripristis leiognathus	Holocentridae	R
Neoniphon suborbitalis	Holocentridae	R
Bathyonus caudalis	Ophidiidae	R
Brotula ordwayi	Ophidiidae	R
Carapus mourlani	Ophidiidae	R
Dicrolene nigra	Ophidiidae	R
Echiodon exsilium	Ophidiidae	R
Encheliophis vermicularis	Ophidiidae	R
Eretmichthys pinnatus	Ophidiidae	R
Lamprogrammus niger	Ophidiidae	R
Lepophidium pardale	Ophidiidae	R
Monomitopus malispinosus	Ophidiidae	R
Monomitopus torvus	Ophidiidae	R
Ophidion galapagensis	Ophidiidae	R
Otophidium indefatigabile	Ophidiidae	R
Bellottia sp.	Bythitidae	R
Calamopteryx jeb	Bythitidae	RE
Cataetyx rubirostris	Bythitidae	R
Cataetyx simus	Bythitidae	R
Diplacanthopoma jordani	Bythitidae	R
Grammonus diagrammus	Bythitidae	R
Lucifuga inopinata	Bythitidae	RE
Petrotyx hopkinsi	Bythitidae	R
Pseudonus acutus	Bythitidae	RE
Ogilbia deroyi	Dinematichthyidae	RE
Ogilbia galapagosensis	Dinematichthyidae	RE
Seriolella violacea	Centrolophidae	R
Cubiceps pauciradiatus	Nomeidae	R
Nomeus gronovii	Nomeidae	R
Psenes arafurensis	Nomeidae	R
Psenes cyanophrys	Nomeidae	R
Psenes pellucidus	Nomeidae	R
Psenes sio	Nomeidae	R
Tetragonurus atlanticus	Tetragonuridae	R
Peprilus medius	Stromateidae	R
Chiasmodon niger	Chiasmodontidae	R
Chiasmodon subniger	Chiasmodontidae	R
Acanthocybium solandri	Scombridae	R
Auxis rochei	Scombridae	R
Auxis thazard	Scombridae	R
Euthynnus lineatus	Scombridae	R
Katsuwonus pelamis	Scombridae	R
Sarda orientalis	Scombridae	R
Scomber japonicus	Scombridae	R
Scomberomorus sierra	Scombridae	R
Thunnus albacares	Scombridae	R
Thunnus obesus	Scombridae	R
Paracaristius sp.	Caristiidae	R
Brama dussumieri	Bramidae	R
Taractes rubescens	Bramidae	R
Gempylus serpens	Gempylidae	R
Lepidocybium flavobrunneum	Gempylidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Nealotus tripes	Gempylidae	R
Ruvettus pretiosus	Gempylidae	R
Aphanopus capricornis	Trichiuridae	R
Benthodesmus tenuis	Trichiuridae	R
Lepidopus manis	Trichiuridae	R
Trichiurus nitens	Trichiuridae	R
Mulloidichthys dentatus	Mullidae	R
Pseudupeneus grandisquamis	Mullidae	R
Synchiropus atrilabiatus	Callionymidae	R
Aulostomus chinensis	Aulostomidae	R
Fistularia commersonii	Fistulariidae	R
Fistularia corneta	Fistulariidae	V
Bryx veleronis	Syngnathidae	R
Cosmocampus coccineus	Syngnathidae	R
Doryrhamphus melanopleura	Syngnathidae	R
Hippocampus ingens	Syngnathidae	R
Apogon atradorsatus	Apogonidae	R
Apogon dovii	Apogonidae	R
Apogon pacificus	Apogonidae	R
Dormitator latifrons	Eleotridae	V
Eleotris picta	Eleotridae	V
Gobiomorus maculatus	Eleotridae	V
Bathygobius lineatus	Gobiidae	R
Chriolepis tagus	Gobiidae	RE
Clarkichthys bilineatus	Gobiidae	R
Coryphopterus urospilus	Gobiidae	R
Eleotrica cableae	Gobiidae	RE
Evorthodus minutus	Gobiidae	V
Lythrypnus gilberti	Gobiidae	RE
Lythrypnus rhizophora	Gobiidae	R
Microdesmus dipus	Gobiidae	V
Schindleria praematura	Gobiidae	R
Tigrigobius nesiotes	Gobiidae	R
Centropomus viridis	Centropomidae	R
Sphyraena barracuda	Sphyraenidae	V
Sphyraena idiastes	Sphyraenidae	R
Sphyraena stellata	Sphyraenidae	R
Polydactylus approximans	Polynemidae	V
Citharichthys darwini	Cyclopsettidae	RE
Citharichthys gnathus	Cyclopsettidae	R
Syacium latifrons	Cyclopsettidae	V
Syacium maculiferum	Cyclopsettidae	V
Bothus leopardinus	Bothidae	R
Bothus mancus	Bothidae	R
Monolene maculipinna	Bothidae	V
Hippoglossina bollmani	Paralichthyidae	R
Paralichthys woolmani	Paralichthyidae	R
Trinectes fonsecensis	Achiridae	V
Aseraggodes herrei	Soleidae	R
Symphurus atramentatus	Cynoglossidae	R
Symphurus diabolicus	Cynoglossidae	R
Symphurus varius	Cynoglossidae	R
Xiphias gladius	Xiphiidae	R
Istiompax indica	Istiophoridae	R
Istiophorus platypterus	Istiophoridae	R
Kajikia audax	Istiophoridae	R
Makaira nigricans	Istiophoridae	R
Tetrapturus angustirostris	Istiophoridae	R
Alectis ciliaris	Carangidae	R
Caranx caballus	Carangidae	R
Caranx caninus	Carangidae	R
Caranx ignobilis	Carangidae	V
Caranx lugubris	Carangidae	R
Caranx melampygus	Carangidae	R
Caranx sexfasciatus	Carangidae	R
Decapterus macarellus	Carangidae	R
Decapterus macrosoma	Carangidae	R
Decapterus muroadsi	Carangidae	R
Elagatis bipinnulata	Carangidae	R
Euprepocaranx dorsalis	Carangidae	V
Ferdauia orthogrammus	Carangidae	V
Gnathanodon speciosus	Carangidae	V
Naucrates ductor	Carangidae	R
Oligoplites inornatus	Carangidae	R
Selar crumenophthalmus	Carangidae	R
Selene peruviana	Carangidae	R
Seriola lalandi	Carangidae	R
Seriola peruana	Carangidae	R
Seriola riviolana	Carangidae	R
Trachinotus kennedyi	Carangidae	V

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Trachinotus paitensis	Carangidae	R
Trachinotus rhodopus	Carangidae	R
Trachinotus stilbe	Carangidae	R
Trachurus murphyi	Carangidae	R
Uraspis helvola	Carangidae	R
Echeneis naucrates	Echeneidae	R
Phtheirichthys lineatus	Echeneidae	R
Remora albescens	Echeneidae	R
Remora brachyptera	Echeneidae	R
Remora osteochir	Echeneidae	R
Remora remora	Echeneidae	R
Coryphaena equiselis	Coryphaenidae	R
Coryphaena hippurus	Coryphaenidae	R
Opistognathus galapagensis	Opistognathidae	RE
Abudefduf concolor	Pomacentridae	R
Abudefduf troschelii	Pomacentridae	R
Azurina atrilobata	Pomacentridae	R
Azurina eupalama	Pomacentridae	RE
Azurina intercrusma	Pomacentridae	V
Chromis alta	Pomacentridae	R
Microspathodon bairdii	Pomacentridae	R
Microspathodon dorsalis	Pomacentridae	R
Nexilosus latifrons	Pomacentridae	R
Stegastes acapulcoensis	Pomacentridae	R
Stegastes arcifrons	Pomacentridae	R
Stegastes beebei	Pomacentridae	R
Stegastes flavilatus	Pomacentridae	R
Atherinella nesiotes	Atherinopsidae	R
Melanorhinus cyanellus	Atherinopsidae	R
Cololabis adocetus	Scomberesocidae	R
Ablennes hians	Belonidae	R
Platybelone argalus pterura	Belonidae	R
Strongylura exilis	Belonidae	R
Tylosurus fodiator	Belonidae	V
Tylosurus pacificus	Belonidae	V
Euleptorhamphus viridis	Hemiramphidae	R
Hemiramphus saltator	Hemiramphidae	R
Hyporhamphus gilli	Hemiramphidae	V
Hyporhamphus naos	Hemiramphidae	R
Oxyporhamphus micropterus	Hemiramphidae	R
Cheilopogon atrisignis	Exocoetidae	R
Cheilopogon dorsomacula	Exocoetidae	R
Cheilopogon spilonotopterus	Exocoetidae	R
Cheilopogon xenopterus	Exocoetidae	R
Cypselurus callopterus	Exocoetidae	R
Exocoetus monocirrhus	Exocoetidae	R
Exocoetus volitans	Exocoetidae	R
Fodiator rostratus	Exocoetidae	R
Hirundichthys marginatus	Exocoetidae	R
Hirundichthys speculiger	Exocoetidae	R
Chaenomugil proboscideus	Mugilidae	R
Dajaus monticola	Mugilidae	R
Mugil galapagensis	Mugilidae	RE
Mugil thoburni	Mugilidae	RE
Arcos poecilophthalmos	Gobiesocidae	R
Tomicodon chilensis	Gobiesocidae	R
Tomicodon petersii	Gobiesocidae	R
Lepidonectes corallicola	Tripterygiidae	RE
Cottoclinus canops	Labrisomidae	RE
Dialommus fuscus	Labrisomidae	R
Gobioclinus dendriticus	Labrisomidae	R
Labrisomus jenkinsi	Labrisomidae	RE
Labrisomus multiporosus	Labrisomidae	R
Malacoctenus tetranemus	Labrisomidae	R
Malacoctenus zonogaster	Labrisomidae	RE
Starksia galapagensis	Labrisomidae	RE
Acanthemblemaria castroi	Chaenopsidae	RE
Chaenopsis schmitti	Chaenopsidae	RE
Dactyloscopus lacteus	Dactyloscopidae	RE
Gillellus semicinctus	Dactyloscopidae	R
Myxodagnus sagitta	Dactyloscopidae	RE
Platygillellus rubellulus	Dactyloscopidae	RE
Entomacrodus chiostictus	Blenniidae	R
Hypsoblennius brevipinnis	Blenniidae	R
Ophioblennius steindachneri	Blenniidae	R
Plagiotremus azaleus	Blenniidae	R
Scartichthys gigas	Blenniidae	V
Hemilutjanus macrophthalmos	Malakichthyidae	R
Heteropriacanthus carolinus	Priacanthidae	R
Pristigenys serrula	Priacanthidae	R

TABLE 1 (p. 7)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Malacanthus brevirostris	Malacanthidae	R
Caulolatilus affinis	Latilidae	R
Caulolatilus princeps	Latilidae	R
Hoplopagrus guentherii	Lutjanidae	R
Lutjanus aratus	Lutjanidae	R
Lutjanus argentiventris	Lutjanidae	R
Lutjanus colorado	Lutjanidae	V
Lutjanus guttatus	Lutjanidae	R
Lutjanus inermis	Lutjanidae	R
Lutjanus jordani	Lutjanidae	R
Lutjanus novemfasciatus	Lutjanidae	R
Lutjanus viridis	Lutjanidae	R
Pristipomoides zonatus	Lutjanidae	V
Diapterus brevirostris	Gerreidae	R
Eucinostomus currani	Gerreidae	R
Eucinostomus dowii	Gerreidae	R
Eucinostomus gracilis	Gerreidae	R
Eugerres lineatus	Gerreidae	R
Gerres simillimus	Gerreidae	R
Anisotremus espinozai	Haemulidae	R
Anisotremus scapularis	Haemulidae	R
Brachygenys jessiae	Haemulidae	RE
Haemulon maculicauda	Haemulidae	R
Haemulon scudderii	Haemulidae	R
Haemulon sexfasciatum	Haemulidae	R
Microlepidotus lethopristis	Haemulidae	RE
Orthopristis cantherina	Haemulidae	R
Orthopristis chalcea	Haemulidae	R
Orthopristis forbesi	Haemulidae	RE
Rhencus macracanthus	Haemulidae	V
Xenichthys agassizii	Haemulidae	RE
Xenichthys xanti	Haemulidae	V
Archosargus pourtalesii	Sparidae	RE
Calamus brachysomus	Sparidae	R
Calamus taurinus	Sparidae	RE
Corvula macrops	Sciaenidae	R
Larimus pacificus	Sciaenidae	V
Odontoscion eurymesops	Sciaenidae	R
Pareques perissa	Sciaenidae	RE
Umbrina galapagorum	Sciaenidae	RE
Alphestes immaculatus	Epinephelidae	R
Cephalopholis colonus	Epinephelidae	R
Cephalopholis panamensis	Epinephelidae	R
Dermatolepis dermatolepis	Epinephelidae	R
Epinephelus analogus	Epinephelidae	V
Epinephelus labriformis	Epinephelidae	R
Hyporthodus cifuentesi	Epinephelidae	R
Hyporthodus mystacinus	Epinephelidae	R
Hyporthodus niphobles	Epinephelidae	R
Mycteroperca olfax	Epinephelidae	R
Pseudogramma thaumasia	Grammistidae	R
Rypticus bicolor	Grammistidae	R
Rypticus nigripinnis	Grammistidae	R
Liopropoma fasciatum	Liopropomatidae	R
Liopropoma longilepis	Liopropomatidae	R
Cratinus agassizii	Serranidae	R
Diplectrum eumelum	Serranidae	V
Diplectrum rostrum	Serranidae	R
Paralabrax albomaculatus	Serranidae	RE
Serranus aequidens	Serranidae	R
Serranus psittacinus	Serranidae	R
Serranus stilbostigma	Serranidae	RE
Anthias noeli	Anthiadidae	R
Hemanthias peruanus	Anthiadidae	V
Pronotogrammus multifasciatus	Anthiadidae	R
Bodianus darwini	Labridae	R
Bodianus diplotaenia	Labridae	R
Bodianus eclancheri	Labridae	R
Calotomus carolinus	Labridae-Scarinae	V
Decodon melasma	Labridae	R
Halichoeres adustus	Labridae	V
Halichoeres chierchiae	Labridae	R
Halichoeres dispilus	Labridae	R
Halichoeres melanotis	Labridae	V
Halichoeres nicholsi	Labridae	R
Halichoeres notospilus	Labridae	R
Iniistius pavo	Labridae	R
Nicholsina denticulata	Labridae-Scarinae	R
Novaculichthys taeniourus	Labridae	R
Sagittalarva inornata	Labridae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Scarus compressus	Labridae-Scarinae	R
Scarus ghobban	Labridae-Scarinae	R
Scarus perrico	Labridae-Scarinae	R
Scarus rubroviolaceus	Labridae-Scarinae	R
Stethojulis bandanensis	Labridae	R
Thalassoma grammaticum	Labridae	R
Thalassoma lucasanum	Labridae	R
Thalassoma purpureum	Labridae	R
Xyrichtys victori	Labridae	R
Lycodapus australis	Zoarcidae	R
Melanostigma bathium	Zoarcidae	R
Thermarces cerberus	Zoarcidae	R
Ammodytoides gilli	Ammodytidae	R
Kathetostoma averruncus	Uranoscopidae	V
Bellator farrago	Triglidae	R
Peristedion crustosum	Triglidae	R
Prionotus miles	Triglidae	RE
Prionotus stephanophrys	Triglidae	R
Ectreposebastes imus	Scorpaenidae	R
Idiastion hageyi	Scorpaenidae	RE
Phenacoscorpius mccoskeri	Scorpaenidae	RE
Pontinus clemensi	Scorpaenidae	R
Pontinus furcirhinus	Scorpaenidae	R
Pontinus sierra	Scorpaenidae	R
Scorpaena cocosensis	Scorpaenidae	R
Scorpaena histrio	Scorpaenidae	R
Scorpaena mystes	Scorpaenidae	R
Scorpaena wellingtoni	Scorpaenidae	RE
Scorpaenodes rubrivinctus	Scorpaenidae	R
Scorpaenodes xyris	Scorpaenidae	R
Sebastolobus altivelis	Scorpaenidae	R
Taenianotus triacanthus	Scorpaenidae	V
Trachyscorpia osheri	Scorpaenidae	R
Psychrolutes sio	Psychrolutidae	R
Paraliparis darwini	Liparidae	RE
Paraliparis galapagosensis	Liparidae	RE
Kuhlia mugil	Kuhliidae	R
Oplegnathus insignis	Oplegnathidae	R
Kyphosus cinerascens	Kyphosidae	V
Kyphosus elegans	Kyphosidae	R
Kyphosus ocyurus	Kyphosidae	R
Kyphosus sectatrix	Kyphosidae	R
Kyphosus vaigiensis	Kyphosidae	R
Girella freminvillii	Girellidae	RE
Cirrhitichthys oxycephalus	Cirrhitidae	R
Cirrhitus rivulatus	Cirrhitidae	R
Oxycirrhites typus	Cirrhitidae	R
Epigonus macrops	Epigonidae	R
Howella pammelas	Howellidae	R
Lobotes pacifica	Lobotidae	V
Holacanthus passer	Pomacanthidae	R
Pomacanthus zonipectus	Pomacanthidae	V
Chaetodon auriga	Chaetodontidae	V
Chaetodon humeralis	Chaetodontidae	R
Chaetodon kleinii	Chaetodontidae	V
Chaetodon lunula	Chaetodontidae	V
Chaetodon meyeri	Chaetodontidae	V
Chaetodon unimaculatus	Chaetodontidae	V
Forcipiger flavissimus	Chaetodontidae	R
Johnrandallia nigrirostris	Chaetodontidae	R
Prognathodes carlhubbsi	Chaetodontidae	R
Luvarus imperialis	Luvaridae	R
Zanclus cornutus	Zanclidae	R
Acanthurus mata	Acanthuridae	V
Acanthurus nigricans	Acanthuridae	R
Acanthurus triostegus	Acanthuridae	V
Acanthurus xanthopterus	Acanthuridae	R
Naso annulatus	Acanthuridae	V
Naso brevirostris	Acanthuridae	V
Naso hexacanthus	Acanthuridae	V
Naso vlamingii	Acanthuridae	V
Prionurus laticlavius	Acanthuridae	R
Lophiodes spilurus	Lophiidae	R
Dibranchus cracens	Ogcocephalidae	RE
Dibranchus discors	Ogcocephalidae	RE
Dibranchus erinaceus	Ogcocephalidae	R
Dibranchus hystrix	Ogcocephalidae	R
Halieutopsis tumifrons	Ogcocephalidae	RE
Ogcocephalus darwini	Ogcocephalidae	R
Abantennarius sanguineus	Antennariidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Antennarius commerson	Antennariidae	V
Antennatus strigatus	Antennariidae	R
Fowlerichthys avalonis	Antennariidae	R
Chaunacops coloratus	Chaunacidae	R
Melanocetus murrayi	Melanocetidae	R
Chaenophryne draco	Oneirodidae	R
Dolopichthys allector	Oneirodidae	R
Microlophichthys microlophus	Oneirodidae	R
Pentherichthys atratus	Oneirodidae	R
Cryptopsaras coueseii	Ceratiidae	R
Gigantactis vanhoeffeni	Gigantactinidae	R
Borophryne apogon	Linophrynidae	R
Masturus lanceolatus	Molidae	R
Mola alexandrini	Molidae	R
Chilomycterus reticulatus	Diodontidae	R
Cyclichthys spilostylus	Diodontidae	V
Diodon eydouxii	Diodontidae	R
Diodon holocanthus	Diodontidae	R
Diodon hystrix	Diodontidae	R
Arothron hispidus	Tetraodontidae	R
Arothron meleagris	Tetraodontidae	R
Arothron nigropunctatus	Tetraodontidae	V
Canthigaster amboinensis	Tetraodontidae	V
Canthigaster janthinoptera	Tetraodontidae	V
Canthigaster punctatissima	Tetraodontidae	R
Canthigaster valentini	Tetraodontidae	V
Lagocephalus lagocephalus	Tetraodontidae	R
Sphoeroides angusticeps	Tetraodontidae	R
Sphoeroides annulatus	Tetraodontidae	R
Sphoeroides lobatus	Tetraodontidae	R
Lactoria diaphana	Ostraciidae	V
Ostracion meleagris	Ostraciidae	R
Aluterus monoceros	Monacanthidae	V
Aluterus scriptus	Monacanthidae	R
Cantherhines dumerilii	Monacanthidae	V
Balistes polylepis	Balistidae	R
Canthidermis maculata	Balistidae	R
Melichthys niger	Balistidae	R
Melichthys vidua	Balistidae	V
Pseudobalistes naufragium	Balistidae	R
Sufflamen verres	Balistidae	R
Xanthichthys caeruleolineatus	Balistidae	V
Xanthichthys mento	Balistidae	V

TABLE 2 (p. 1)

Fishes of the Galapagos Archipelago

(683 spp. in family alphabetical order)

Species	Family	Resident Vagrant Endemic
Acanthurus mata	Acanthuridae	V
Acanthurus nigricans	Acanthuridae	R
Acanthurus triostegus	Acanthuridae	V
Acanthurus xanthopterus	Acanthuridae	R
Naso annulatus	Acanthuridae	V
Naso brevirostris	Acanthuridae	V
Naso hexacanthus	Acanthuridae	V
Naso vlamingii	Acanthuridae	V
Prionurus laticlavius	Acanthuridae	R
Trinectes fonsecensis	Achiridae	V
Aetobatus ocellatus	Aetobatidae	R
Albula esuncula	Albulidae	V
Bathytroctes microlepis	Alepocephalidae	R
Einara macrolepis	Alepocephalidae	R
Narcetes erimelas	Alepocephalidae	R
Photostylus pycnopterus	Alepocephalidae	R
Alopias pelagicus	Alopiidae	R
Alopias superciliosus	Alopiidae	R
Sardinops sagax	Alosidae	R
Ammodytoides gilli	Ammodytidae	R
Anguilla marmorata	Anguillidae	R
Anoplogaster cornuta	Anoplogastridae	R
Abantennarius sanguineus	Antennariidae	R
Antennarius commerson	Antennariidae	V
Antennatus strigatus	Antennariidae	R
Fowlerichthys avalonis	Antennariidae	R
Anthias noeli	Anthiadidae	R
Hemanthias peruanus	Anthiadidae	V
Pronotogrammus multifasciatus	Anthiadidae	R
Apogon atradorsatus	Apogonidae	R
Apogon dovii	Apogonidae	R
Apogon pacificus	Apogonidae	R
Argentina aliceae	Argentinidae	R
Bathyraja abyssicola	Arhynchobatidae	R
Bathyraja peruana	Arhynchobatidae	R
Bathyraja richardsoni	Arhynchobatidae	R
Bathyraja spinosissima	Arhynchobatidae	R
Guentherus altivela	Ateleopodidae	R
Atherinella nesiotes	Atherinopsidae	R
Melanorhinus cyanellus	Atherinopsidae	R
Aulopus chirichignoae	Aulopidae	R
Aulostomus chinensis	Aulostomidae	R
Balistes polylepis	Balistidae	R
Canthidermis maculata	Balistidae	R
Melichthys niger	Balistidae	R
Melichthys vidua	Balistidae	V
Pseudobalistes naufragium	Balistidae	R
Sufflamen verres	Balistidae	R
Xanthichthys caeruleolineatus	Balistidae	V
Xanthichthys mento	Balistidae	V
Bathylagoides nigrigenys	Bathylagidae	R
Leuroglossus stilbeus	Bathylagidae	R
Ablennes hians	Belonidae	R
Platybelone argalus pterura	Belonidae	R
Strongylura exilis	Belonidae	R
Tylosurus fodiator	Belonidae	V
Tylosurus pacificus	Belonidae	V
Entomacrodus chiostictus	Blenniidae	R
Hypsoblennius brevipinnis	Blenniidae	R
Ophioblennius steindachneri	Blenniidae	R
Plagiotremus azaleus	Blenniidae	R
Scartichthys gigas	Blenniidae	V
Bothus leopardinus	Bothidae	R
Bothus mancus	Bothidae	R
Monolene maculipinna	Bothidae	V
Brama dussumieri	Bramidae	R
Taractes rubescens	Bramidae	R
Branchiostomus elongatus	Branchiostomatidae	R
Bregmaceros bathymaster	Bregmacerotidae	V
Bellottia sp.	Bythitidae	R
Calamopteryx jeb	Bythitidae	RE
Cataetyx rubirostris	Bythitidae	R
Cataetyx simus	Bythitidae	R
Diplacanthopoma jordani	Bythitidae	R
Grammonus diagrammus	Bythitidae	R
Lucifuga inopinata	Bythitidae	RE
Petrotyx hopkinsi	Bythitidae	R
Pseudonus acutus	Bythitidae	RE
Synchiropus atrilabiatus	Callionymidae	R
Alectis ciliaris	Carangidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Caranx caballus	Carangidae	R
Caranx caninus	Carangidae	R
Caranx ignobilis	Carangidae	V
Caranx lugubris	Carangidae	R
Caranx melampygus	Carangidae	R
Caranx sexfasciatus	Carangidae	R
Decapterus macarellus	Carangidae	R
Decapterus macrosoma	Carangidae	R
Decapterus muroadsi	Carangidae	R
Elagatis bipinnulata	Carangidae	R
Euprepocaranx dorsalis	Carangidae	V
Ferdauia orthogrammus	Carangidae	V
Gnathanodon speciosus	Carangidae	V
Naucrates ductor	Carangidae	R
Oligoplites inornatus	Carangidae	R
Selar crumenophthalmus	Carangidae	R
Selene peruviana	Carangidae	R
Seriola lalandi	Carangidae	R
Seriola peruana	Carangidae	R
Seriola riviolana	Carangidae	R
Trachinotus kennedyi	Carangidae	V
Trachinotus paitensis	Carangidae	R
Trachinotus rhodopus	Carangidae	R
Trachinotus stilbe	Carangidae	R
Trachurus murphyi	Carangidae	R
Uraspis helvola	Carangidae	R
Carcharhinus albimarginatus	Carcharhinidae	R
Carcharhinus altimus	Carcharhinidae	R
Carcharhinus amblyrhynchos	Carcharhinidae	V
Carcharhinus falciformis	Carcharhinidae	R
Carcharhinus galapagensis	Carcharhinidae	R
Carcharhinus limbatus	Carcharhinidae	R
Carcharhinus longimanus	Carcharhinidae	R
Nasolamia velox	Carcharhinidae	R
Prionace glauca	Carcharhinidae	R
Triaenodon obesus	Carcharhinidae	R
Paracaristius sp.	Caristiidae	R
Seriolella violacea	Centrolophidae	R
Centrophorus squamosus	Centrophoridae	R
Centropomus viridis	Centropomidae	R
Cryptopsaras coueseii	Ceratiidae	R
Cetomimus gillii	Cetomimidae	R
Acanthemblemaria castroi	Chaenopsidae	RE
Chaenopsis schmitti	Chaenopsidae	RE
Chaetodon auriga	Chaetodontidae	V
Chaetodon humeralis	Chaetodontidae	R
Chaetodon kleinii	Chaetodontidae	V
Chaetodon lunula	Chaetodontidae	V
Chaetodon meyeri	Chaetodontidae	V
Chaetodon unimaculatus	Chaetodontidae	V
Forcipiger flavissimus	Chaetodontidae	R
Johnrandallia nigrirostris	Chaetodontidae	R
Prognathodes carlhubbsi	Chaetodontidae	R
Chanos chanos	Chanidae	R
Chaunacops coloratus	Chaunacidae	R
Chiasmodon niger	Chiasmodontidae	R
Chiasmodon subniger	Chiasmodontidae	R
Hydrolagus alphus	Chimaeridae	RE
Hydrolagus mccoskeri	Chimaeridae	RE
Hydrolagus melanophasma	Chimaeridae	R
Hydrolagus n. sp.	Chimaeridae	RE
Chlopsis bicollaris	Chlopsidae	R
Chlorophthalmus mento	Chlorophthalmidae	R
Cirrhitichthys oxycephalus	Cirrhitidae	R
Cirrhitus rivulatus	Cirrhitidae	R
Oxycirrhites typus	Cirrhitidae	R
Harengula thrissina	Clupeidae	R
Lile stolifera	Clupeidae	R
Opisthonema berlangai	Clupeidae	RE
Opisthonema libertate	Clupeidae	R
Ariosoma gilberti	Congridae	R
Bathycongrus varidens	Congridae	R
Heteroconger klausewitzi	Congridae	R
Japonoconger proriger	Congridae	R
Paraconger californiensis	Congridae	R
Paraconger similis	Congridae	R
Xenomystax atrarius	Congridae	R
Coryphaena equiselis	Coryphaenidae	R
Coryphaena hippurus	Coryphaenidae	R
Citharichthys darwini	Cyclopsettidae	RE

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Citharichthys gnathus	Cyclopsettidae	R
Syacium latifrons	Cyclopsettidae	V
Syacium maculiferum	Cyclopsettidae	V
Symphurus atramentatus	Cynoglossidae	R
Symphurus diabolicus	Cynoglossidae	R
Symphurus varius	Cynoglossidae	R
Dactyloscopus lacteus	Dactyloscopidae	RE
Gillellus semicinctus	Dactyloscopidae	R
Myxodagnus sagitta	Dactyloscopidae	RE
Platygillellus rubellulus	Dactyloscopidae	RE
Isistius brasiliensis	Dalatiidae	R
Hypanus dipterurus	Dasyatidae	R
Hypanus longus	Dasyatidae	R
Pteroplatytrygon violacea	Dasyatidae	R
Taeniurops meyeni	Dasyatidae	R
Ogilbia deroyi	Dinematichthyidae	RE
Ogilbia galapagosensis	Dinematichthyidae	RE
Chilomycterus reticulatus	Diodontidae	R
Cyclichthys spilostylus	Diodontidae	V
Diodon eydouxii	Diodontidae	R
Diodon holocanthus	Diodontidae	R
Diodon hystrix	Diodontidae	R
Etrumeus acuminatus	Dussumieriidae	R
Echeneis naucrates	Echeneidae	R
Phtheirichthys lineatus	Echeneidae	R
Remora albescens	Echeneidae	R
Remora brachyptera	Echeneidae	R
Remora osteochir	Echeneidae	R
Remora remora	Echeneidae	R
Echinorhinus cookei	Echinorhinidae	R
Dormitator latifrons	Eleotridae	V
Eleotris picta	Eleotridae	V
Gobiomorus maculatus	Eleotridae	V
Elops affinis	Elopidae	V
Anchoa argentivittata	Engraulidae	R
Anchoa ischana	Engraulidae	R
Cetengraulis mysticetus	Engraulidae	V
Engraulis ringens	Engraulidae	R
Epigonus macrops	Epigonidae	R
Alphestes immaculatus	Epinephelidae	R
Cephalopholis colonus	Epinephelidae	R
Cephalopholis panamensis	Epinephelidae	R
Dermatolepis dermatolepis	Epinephelidae	R
Epinephelus analogus	Epinephelidae	V
Epinephelus labriformis	Epinephelidae	R
Hyporthodus cifuentesi	Epinephelidae	R
Hyporthodus mystacinus	Epinephelidae	R
Hyporthodus niphobles	Epinephelidae	R
Mycteroperca olfax	Epinephelidae	R
Centroscyllium nigrum	Etmopteridae	R
Evermannella ahlstromi	Evermannellidae	R
Cheilopogon atrisignis	Exocoetidae	R
Cheilopogon dorsomacula	Exocoetidae	R
Cheilopogon spilonotopterus	Exocoetidae	R
Cheilopogon xenopterus	Exocoetidae	R
Cypselurus callopterus	Exocoetidae	R
Exocoetus monocirrhus	Exocoetidae	R
Exocoetus volitans	Exocoetidae	R
Fodiator rostratus	Exocoetidae	R
Hirundichthys marginatus	Exocoetidae	R
Hirundichthys speculiger	Exocoetidae	R
Fistularia commersonii	Fistulariidae	R
Fistularia corneta	Fistulariidae	V
Galeocerdo cuvier	Galeocerdonidae	R
Gempylus serpens	Gempylidae	R
Lepidocybium flavobrunneum	Gempylidae	R
Nealotus tripes	Gempylidae	R
Ruvettus pretiosus	Gempylidae	R
Diapterus brevirostris	Gerreidae	R
Eucinostomus currani	Gerreidae	R
Eucinostomus dowii	Gerreidae	R
Eucinostomus gracilis	Gerreidae	R
Eugerres lineatus	Gerreidae	R
Gerres simillimus	Gerreidae	R
Gigantactis vanhoeffeni	Gigantactinidae	R
Girella freminvillii	Girellidae	RE
Arcos poecilophthalmos	Gobiesocidae	R
Tomicodon chilensis	Gobiesocidae	R
Tomicodon petersii	Gobiesocidae	R
Bathygobius lineatus	Gobiidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Chriolepis tagus	Gobiidae	RE
Clarkichthys bilineatus	Gobiidae	R
Coryphopterus urospilus	Gobiidae	R
Eleotrica cableae	Gobiidae	RE
Evorthodus minutus	Gobiidae	V
Lythrypnus gilberti	Gobiidae	RE
Lythrypnus rhizophora	Gobiidae	R
Microdesmus dipus	Gobiidae	V
Schindleria praematura	Gobiidae	R
Tigrigobius nesiotes	Gobiidae	R
Cyclothone acclinidens	Gonostomatidae	R
Cyclothone alba	Gonostomatidae	R
Cyclothone atraria	Gonostomatidae	R
Cyclothone obscura	Gonostomatidae	R
Cyclothone pallida	Gonostomatidae	R
Cyclothone signata	Gonostomatidae	R
Diplophos proximus	Gonostomatidae	R
Pseudogramma thaumasia	Grammistidae	R
Rypticus bicolor	Grammistidae	R
Rypticus nigripinnis	Grammistidae	R
Gurgesiella furvescens	Gurgesiellidae	R
Anisotremus espinozai	Haemulidae	R
Anisotremus scapularis	Haemulidae	R
Brachygenys jessiae	Haemulidae	RE
Haemulon maculicauda	Haemulidae	R
Haemulon scudderii	Haemulidae	R
Haemulon sexfasciatum	Haemulidae	R
Microlepidotus lethopristis	Haemulidae	RE
Orthopristis cantherina	Haemulidae	R
Orthopristis chalcea	Haemulidae	R
Orthopristis forbesi	Haemulidae	RE
Rhencus macracanthus	Haemulidae	V
Xenichthys agassizii	Haemulidae	RE
Xenichthys xanti	Haemulidae	V
Halosaurus attenuatus	Halosauridae	R
Euleptorhamphus viridis	Hemiramphidae	R
Hemiramphus saltator	Hemiramphidae	R
Hyporhamphus gilli	Hemiramphidae	V
Hyporhamphus naos	Hemiramphidae	R
Oxyporhamphus micropterus	Hemiramphidae	R
Heterodontus quoyi	Heterodontidae	R
Hexanchus griseus	Hexanchidae	R
Notorynchus cepedianus	Hexanchidae	R
Myripristis berndti	Holocentridae	R
Myripristis leiognathus	Holocentridae	R
Neoniphon suborbitalis	Holocentridae	R
Howella pammelas	Howellidae	R
Bathypterois atricolor	Ipnopidae	R
Bathypterois pectinatus	Ipnopidae	R
Ipnops agassizii	Ipnopidae	R
Istiompax indica	Istiophoridae	R
Istiophorus platypterus	Istiophoridae	R
Kajikia audax	Istiophoridae	R
Makaira nigricans	Istiophoridae	R
Tetrapturus angustirostris	Istiophoridae	R
Kuhlia mugil	Kuhliidae	R
Kyphosus cinerascens	Kyphosidae	V
Kyphosus elegans	Kyphosidae	R
Kyphosus ocyurus	Kyphosidae	R
Kyphosus sectatrix	Kyphosidae	R
Kyphosus vaigiensis	Kyphosidae	R
Bodianus darwini	Labridae	R
Bodianus diplotaenia	Labridae	R
Bodianus eclancheri	Labridae	R
Calotomus carolinus	Labridae-Scarinae	V
Decodon melasma	Labridae	R
Halichoeres adustus	Labridae	V
Halichoeres chierchiae	Labridae	R
Halichoeres dispilus	Labridae	R
Halichoeres melanotis	Labridae	V
Halichoeres nicholsi	Labridae	R
Halichoeres notospilus	Labridae	R
Iniistius pavo	Labridae	R
Nicholsina denticulata	Labridae-Scarinae	R
Novaculichthys taeniourus	Labridae	R
Sagittalarva inornata	Labridae	R
Scarus compressus	Labridae-Scarinae	R
Scarus ghobban	Labridae-Scarinae	R
Scarus perrico	Labridae-Scarinae	R
Scarus rubroviolaceus	Labridae-Scarinae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Stethojulis bandanensis	Labridae	R
Thalassoma grammaticum	Labridae	R
Thalassoma lucasanum	Labridae	R
Thalassoma purpureum	Labridae	R
Xyrichtys victori	Labridae	R
Cottoclinus canops	Labrisomidae	RE
Dialommus fuscus	Labrisomidae	R
Gobioclinus dendriticus	Labrisomidae	R
Labrisomus jenkinsi	Labrisomidae	RE
Labrisomus multiporosus	Labrisomidae	R
Malacoctenus tetranemus	Labrisomidae	R
Malacoctenus zonogaster	Labrisomidae	RE
Starksia galapagensis	Labrisomidae	RE
Carcharodon carcharias	Lamnidae	V
Isurus oxyrinchus	Lamnidae	R
Caulolatilus affinis	Latilidae	R
Caulolatilus princeps	Latilidae	R
Borophryne apogon	Linophrynidae	R
Liopropoma fasciatum	Liopropomatidae	R
Liopropoma longilepis	Liopropomatidae	R
Paraliparis darwini	Liparidae	RE
Paraliparis galapagosensis	Liparidae	RE
Lobotes pacifica	Lobotidae	V
Lophiodes spilurus	Lophiidae	R
Hoplopagrus guentherii	Lutjanidae	R
Lutjanus aratus	Lutjanidae	R
Lutjanus argentiventris	Lutjanidae	R
Lutjanus colorado	Lutjanidae	V
Lutjanus guttatus	Lutjanidae	R
Lutjanus inermis	Lutjanidae	R
Lutjanus jordani	Lutjanidae	R
Lutjanus novemfasciatus	Lutjanidae	R
Lutjanus viridis	Lutjanidae	R
Pristipomoides zonatus	Lutjanidae	V
Luvarus imperialis	Luvaridae	R
Coelorinchus canus	Macrouridae	R
Coryphaenoides anguliceps	Macrouridae	R
Coryphaenoides armatus	Macrouridae	R
Coryphaenoides boops	Macrouridae	R
Coryphaenoides bucephalus	Macrouridae	R
Coryphaenoides bulbiceps	Macrouridae	R
Coryphaenoides delsolari	Macrouridae	R
Coryphaenoides gypsochilus	Macrouridae	RE
Coryphaenoides myersi	Macrouridae	RE
Mataeocephalus tenuicauda	Macrouridae	R
Nezumia convergens	Macrouridae	R
Nezumia loricata	Macrouridae	RE
Nezumia stelgidolepis	Macrouridae	R
Nezumia ventralis	Macrouridae	RE
Malacanthus brevirostris	Malacanthidae	R
Hemilutjanus macrophthalmos	Malakichthyidae	R
Melamphaeus laeviceps	Melamphaidae	R
Melamphaeus spinifer	Melamphaidae	R
Poromitra crassiceps	Melamphaidae	R
Poromitra frontosa	Melamphaidae	R
Poromitra jucunda	Melamphaidae	R
Poromitra nigrofulva	Melamphaidae	R
Poromitra oscitans	Melamphaidae	R
Scopeloberyx opisthopterus	Melamphaidae	R
Scopeloberyx robustus	Melamphaidae	R
Scopelogadus bispinosus	Melamphaidae	R
Melanocetus murrayi	Melanocetidae	R
Mobula birostris	Mobulidae	R
Mobula mobular	Mobulidae	R
Mobula munkiana	Mobulidae	R
Mobula tarapacana	Mobulidae	R
Mobula thurstoni	Mobulidae	R
Masturus lanceolatus	Molidae	R
Mola alexandrini	Molidae	R
Aluterus monoceros	Monacanthidae	V
Aluterus scriptus	Monacanthidae	R
Cantherhines dumerilii	Monacanthidae	V
Antimora rostrata	Moridae	R
Gadella filifer	Moridae	R
Gadella thysthlon	Moridae	RE
Laemonema gracillipes	Moridae	R
Physiculus nematopus	Moridae	R
Chaenomugil proboscideus	Mugilidae	R
Dajaus monticola	Mugilidae	R
Mugil galapagensis	Mugilidae	RE

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Mugil thoburni	Mugilidae	RE
Mulloidichthys dentatus	Mullidae	R
Pseudupeneus grandisquamis	Mullidae	R
Anarchias galapagensis	Muraenidae	R
Echidna nebulosa	Muraenidae	R
Echidna nocturna	Muraenidae	R
Enchelycore lichenosa	Muraenidae	R
Enchelycore octaviana	Muraenidae	R
Gymnomuraena zebra	Muraenidae	R
Gymnothorax angusticeps	Muraenidae	R
Gymnothorax buroensis	Muraenidae	V
Gymnothorax castaneus	Muraenidae	R
Gymnothorax dovii	Muraenidae	R
Gymnothorax flavimarginatus	Muraenidae	V
Gymnothorax javanicus	Muraenidae	V
Gymnothorax meleagris	Muraenidae	V
Gymnothorax panamensis	Muraenidae	R
Gymnothorax pictus	Muraenidae	V
Gymnothorax porphyreus	Muraenidae	V
Gymnothorax undulatus	Muraenidae	V
Muraena argus	Muraenidae	R
Muraena clepsydra	Muraenidae	R
Muraena lentiginosa	Muraenidae	R
Scuticaria tigrina	Muraenidae	V
Uropterygius macrocephalus	Muraenidae	R
Uropterygius polystictus	Muraenidae	R
Uropterygius versutus	Muraenidae	R
Bolinichthys longipes	Myctophidae	R
Centrobranchus nigroocellatus	Myctophidae	R
Diaphus pacificus	Myctophidae	R
Diaphus rafenesqii	Myctophidae	R
Diaphus termophilus	Myctophidae	R
Diaphus theta	Myctophidae	R
Diogenichthys laternatus	Myctophidae	R
Gonichthys tenuiculus	Myctophidae	R
Gonichthys venetus	Myctophidae	R
Hygophum reinhardti	Myctophidae	R
Lampadena luminosa	Myctophidae	R
Lampanyctus hubbsi	Myctophidae	R
Lampanyctus idostigma	Myctophidae	R
Lampanyctus macropterus	Myctophidae	R
Lampanyctus omostigma	Myctophidae	R
Lampanyctus parvicauda	Myctophidae	R
Lampanyctus ritteri	Myctophidae	R
Lampanyctus tenuiformis	Myctophidae	R
Loweina rara	Myctophidae	R
Myctophum affine	Myctophidae	R
Myctophum aurolaternatum	Myctophidae	R
Myctophum brachygnathum	Myctophidae	R
Myctophum nitidulum	Myctophidae	R
Notolychnus valdiviae	Myctophidae	R
Notoscopelus elongatus	Myctophidae	R
Notoscopelus resplendens	Myctophidae	R
Symbolophorus evermanni	Myctophidae	R
Symbolophorus reversus	Myctophidae	R
Triphoturus mexicanus	Myctophidae	R
Triphoturus oculeum	Myctophidae	R
Aetomylaeus asperrimus	Myliobatidae	V
Myliobatis peruviana	Myliobatidae	R
Myroconger nigrodentatus	Myrocongridae	R
Eptatretus bobwisneri	Myxinidae	RE
Eptatretus goslinei	Myxinidae	RE
Eptatretus grouseri	Myxinidae	RE
Eptatretus mccoskeri	Myxinidae	RE
Myxine greggi	Myxinidae	RE
Myxine martinii	Myxinidae	RE
Myxine phantasma	Myxinidae	RE
Rubicundus lakeside	Myxinidae	RE
Nemichthys scolopaceus	Nemichthyidae	R
Scopelengys tristis	Neoscopelidae	R
Facciolella equatorialis	Nettastomatidae	R
Cubiceps pauciradiatus	Nomeidae	R
Nomeus gronovii	Nomeidae	R
Psenes arafurensis	Nomeidae	R
Psenes cyanophrys	Nomeidae	R
Psenes pellucidus	Nomeidae	R
Psenes sio	Nomeidae	R
Notacanthus spinosus	Notacanthidae	R
Scopelosaurus hubbsi	Notosudidae	R
Odontaspis ferox	Odontaspididae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Dibranchus cracens	Ogcocephalidae	RE
Dibranchus discors	Ogcocephalidae	RE
Dibranchus erinaceus	Ogcocephalidae	R
Dibranchus hystrix	Ogcocephalidae	R
Halieutopsis tumifrons	Ogcocephalidae	RE
Ogcocephalus darwini	Ogcocephalidae	R
Chaenophryne draco	Oneirodidae	R
Dolopichthys allector	Oneirodidae	R
Microlophichthys microlophus	Oneirodidae	R
Pentherichthys atratus	Oneirodidae	R
Apterichtus equatorialis	Ophichthidae	R
Bascanichthys bascanoides	Ophichthidae	R
Callechelys galapagensis	Ophichthidae	RE
Herpetoichthys fossatus	Ophichthidae	R
Ichthyapus selachops	Ophichthidae	R
Myrichthys xysturus	Ophichthidae	R
Ophichthus arneutes	Ophichthidae	RE
Ophichthus rugifer	Ophichthidae	R
Paraletharchus opercularis	Ophichthidae	R
Phaenomonas pinnata	Ophichthidae	R
Quassiremus evionthas	Ophichthidae	R
Scytalichthys miurus	Ophichthidae	V
Bathyonus caudalis	Ophidiidae	R
Brotula ordwayi	Ophidiidae	R
Carapus mourlani	Ophidiidae	R
Dicrolene nigra	Ophidiidae	R
Echiodon exsilium	Ophidiidae	R
Encheliophis vermicularis	Ophidiidae	R
Eretmichthys pinnatus	Ophidiidae	R
Lamprogrammus niger	Ophidiidae	R
Lepophidium pardale	Ophidiidae	R
Monomitopus malispinosus	Ophidiidae	R
Monomitopus torvus	Ophidiidae	R
Ophidion galapagensis	Ophidiidae	R
Otophidium indefatigabile	Ophidiidae	R
Dolichopteryx pseudolongipes	Opisthoproctidae	R
Opistognathus galapagensis	Opistognathidae	RE
Oplegnathus insignis	Oplegnathidae	R
Lactoria diaphana	Ostraciidae	V
Ostracion meleagris	Ostraciidae	R
Lestidiops pacificus	Paralepididae	R
Stemonosudis macrura	Paralepididae	R
Hippoglossina bollmani	Paralichthyidae	R
Paralichthys woolmani	Paralichthyidae	R
Apristurus kampae	Pentanchidae	R
Apristurus n. sp.	Pentanchidae	RE
Ichthyococcus irregularis	Phosichthyidae	R
Vinciguerria lucetia	Phosichthyidae	R
Vinciguerria poweriae	Phosichthyidae	R
Yarella argentiola	Phosichthyidae	R
Holtbyrnia latifrons	Platytroctidae	R
Maulisia isaacsi	Platytroctidae	R
Platytroctes apus	Platytroctidae	R
Polydactylus approximans	Polynemidae	V
Holacanthus passer	Pomacanthidae	R
Pomacanthus zonipectus	Pomacanthidae	V
Abudefduf concolor	Pomacentridae	R
Abudefduf troschelii	Pomacentridae	R
Azurina atrilobata	Pomacentridae	R
Azurina eupalama	Pomacentridae	RE
Azurina intercrusma	Pomacentridae	V
Chromis alta	Pomacentridae	R
Microspathodon bairdii	Pomacentridae	R
Microspathodon dorsalis	Pomacentridae	R
Nexilosus latifrons	Pomacentridae	R
Stegastes acapulcoensis	Pomacentridae	R
Stegastes arcifrons	Pomacentridae	R
Stegastes beebei	Pomacentridae	R
Stegastes flavilatus	Pomacentridae	R
Styracura pacifica	Potamotrygonidae	R
Heteropriacanthus carolinus	Priacanthidae	R
Pristigenys serrula	Priacanthidae	R
Psychrolutes sio	Psychrolutidae	R
Rajella eisenhardti	Rajidae	RE
Rostroraja velezi	Rajidae	R
Regalecus russellii	Regalacidae	R
Rhincodon typus	Rhincodontidae	R
Pseudobatos planiceps	Rhinobatidae	R
Rhinoptera steindachneri	Rhinopteridae	R
Rondeletia loricata	Rondeletiidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Corvula macrops	Sciaenidae	R
Larimus pacificus	Sciaenidae	V
Odontoscion eurymesops	Sciaenidae	R
Pareques perissa	Sciaenidae	RE
Umbrina galapagorum	Sciaenidae	RE
Cololabis adocetus	Scomberesocidae	R
Acanthocybium solandri	Scombridae	R
Auxis rochei	Scombridae	R
Auxis thazard	Scombridae	R
Euthynnus lineatus	Scombridae	R
Katsuwonus pelamis	Scombridae	R
Sarda orientalis	Scombridae	R
Scomber japonicus	Scombridae	R
Scomberomorus sierra	Scombridae	R
Thunnus albacares	Scombridae	R
Thunnus obesus	Scombridae	R
Rosenblattichthys volucris	Scopelarchidae	R
Scopelarchoides nicholsi	Scopelarchidae	R
Scopelarchus guentheri	Scopelarchidae	R
Ectreposebastes imus	Scorpaenidae	R
Idiastion hageyi	Scorpaenidae	RE
Phenacoscorpius mccoskeri	Scorpaenidae	RE
Pontinus clemensi	Scorpaenidae	R
Pontinus furcirhinus	Scorpaenidae	R
Pontinus sierra	Scorpaenidae	R
Scorpaena cocosensis	Scorpaenidae	R
Scorpaena histrio	Scorpaenidae	R
Scorpaena mystes	Scorpaenidae	R
Scorpaena wellingtoni	Scorpaenidae	RE
Scorpaenodes rubrivinctus	Scorpaenidae	R
Scorpaenodes xyris	Scorpaenidae	R
Sebastolobus altivelis	Scorpaenidae	R
Taenianotus triacanthus	Scorpaenidae	V
Trachyscorpia osheri	Scorpaenidae	R
Bythaelurus giddingsi	Scyliorhinidae	RE
Galeus n. sp.	Scyliorhinidae	RE
Cratinus agassizii	Serranidae	R
Diplectrum eumelum	Serranidae	V
Diplectrum rostrum	Serranidae	R
Paralabrax albomaculatus	Serranidae	RE
Serranus aequidens	Serranidae	R
Serranus psittacinus	Serranidae	R
Serranus stilbostigma	Serranidae	RE
Serrivomer sector	Serrivomeridae	R
Aseraggodes herrei	Soleidae	R
Archosargus pourtalesii	Sparidae	RE
Calamus brachysomus	Sparidae	R
Calamus taurinus	Sparidae	RE
Sphyraena barracuda	Sphyraenidae	V
Sphyraena idiastes	Sphyraenidae	R
Sphyraena stellata	Sphyraenidae	R
Sphyrna lewini	Sphyrnidae	R
Sphyrna zygaena	Sphyrnidae	R
Argyropelecus aculeatus	Sternoptychidae	R
Argyropelecus affinis	Sternoptychidae	R
Argyropelecus lychnus	Sternoptychidae	R
Argyropelecus olfersii	Sternoptychidae	R
Argyropelecus sladeni	Sternoptychidae	R
Maurolicus australis	Sternoptychidae	R
Sternoptyx diaphana	Sternoptychidae	R
Sternoptyx obscura	Sternoptychidae	R
Sternoptyx pseudobscura	Sternoptychidae	R
Valencienellus tripunctulatus	Sternoptychidae	R
Astronesthes cyanea	Stomiidae	R
Astronesthes galapagensis	Stomiidae	R
Astronesthes gibbsi	Stomiidae	R
Astronesthes indica	Stomiidae	R
Astronesthes lampara	Stomiidae	R
Bathophilus filifer	Stomiidae	R
Borostomias elucens	Stomiidae	R
Borostomias panamensis	Stomiidae	R
Chauliodus barbatus	Stomiidae	R
Chauliodus sloani	Stomiidae	R
Idiacanthus antrostomus	Stomiidae	R
Malacosteus niger	Stomiidae	R
Stomias atriventer	Stomiidae	R
Stomias colubrinus	Stomiidae	R
Peprilus medius	Stromateidae	R
Stylephorus chordatus	Stylephoridae	R
Ilyophis arx	Synaphobranchidae	R

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Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Ilyophis brunneus	Synaphobranchidae	R
Bryx veleronis	Syngnathidae	R
Cosmocampus coccineus	Syngnathidae	R
Doryrhamphus melanopleura	Syngnathidae	R
Hippocampus ingens	Syngnathidae	R
Synodus lacertinus	Synodontidae	R
Synodus scituliceps	Synodontidae	R
Synodus sechurae	Synodontidae	R
Tetragonurus atlanticus	Tetragonuridae	R
Arothron hispidus	Tetraodontidae	R
Arothron meleagris	Tetraodontidae	R
Arothron nigropunctatus	Tetraodontidae	V
Canthigaster amboinensis	Tetraodontidae	V
Canthigaster janthinoptera	Tetraodontidae	V
Canthigaster punctatissima	Tetraodontidae	R
Canthigaster valentini	Tetraodontidae	V
Lagocephalus lagocephalus	Tetraodontidae	R
Sphoeroides angusticeps	Tetraodontidae	R
Sphoeroides annulatus	Tetraodontidae	R
Sphoeroides lobatus	Tetraodontidae	R
Tetronarce tremens	Torpedinidae	R
Hoplostethus pacificus	Trachichthyidae	RE
Desmodema polystictum	Trachipteridae	R
Zu cristatus	Trachipteridae	R
Trachyrincus helolepis	Trachyrincidae	R
Mustelus albipinnis	Triakidae	R
Mustelus mento	Triakidae	R
Triakis maculata	Triakidae	R
Aphanopus capricornis	Trichiuridae	R
Benthodesmus tenuis	Trichiuridae	R
Lepidopus manis	Trichiuridae	R
Trichiurus nitens	Trichiuridae	R
Bellator farrago	Triglidae	R
Peristedion crustosum	Triglidae	R
Prionotus miles	Triglidae	RE
Prionotus stephanophrys	Triglidae	R
Lepidonectes corallicola	Tripterygiidae	RE
Kathetostoma averruncus	Uranoscopidae	V
Xiphias gladius	Xiphiidae	R
Zanclus cornutus	Zanclidae	R
Lycodapus australis	Zoarcidae	R
Melanostigma bathium	Zoarcidae	R
Thermarces cerberus	Zoarcidae	R

TABLE 3

Fishes of the Galapagos Archipelago

endemic species (67 spp.)

Species	Family	Resident Vagrant Endemic
Calamopteryx jeb	BYTHITIDAE	RE
Lucifuga inopinata	BYTHITIDAE	RE
Pseudonus acutus	BYTHITIDAE	RE
Acanthemblemaria castroi	CHAENOPSIDAE	RE
Chaenopsis schmitti	CHAENOPSIDAE	RE
Hydrolagus alphus	CHIMAERIDAE	RE
Hydrolagus mccoskeri	CHIMAERIDAE	RE
Hydrolagus n. sp.	CHIMAERIDAE	RE
Opisthonema berlangai	CLUPEIDAE	RE
Citharichthys darwini	CYCLOPSETTA	RE
Dactyloscopus lacteus	DACTYLOSCOPIDAE	RE
Myxodagnus sagitta	DACTYLOSCOPIDAE	RE
Platygillellus rubellulus	DACTYLOSCOPIDAE	RE
Ogilbia deroyi	DINEMATICHTHYIDAE	RE
Ogilbia galapagosensis	DINEMATICHTHYIDAE	RE
Girella freminvillii	GIRELLIDAE	RE
Chriolepis tagus	GOBIIDAE	RE
Eleotrica cableae	GOBIIDAE	RE
Lythrypnus gilberti	GOBIIDAE	RE
Brachygenys jessiae	HAEMULIDAE	RE
Microlepidotus lethopristis	HAEMULIDAE	RE
Orthopristis forbesi	HAEMULIDAE	RE
Xenichthys agassizii	HAEMULIDAE	RE
Cottoclinus canops	LABRISOMIDAE	RE
Labrisomus jenkinsi	LABRISOMIDAE	RE
Malacoctenus zonogaster	LABRISOMIDAE	RE
Starksia galapagensis	LABRISOMIDAE	RE
Paraliparis darwini	LIPARIDAE	RE
Paraliparis galapagosensis	LIPARIDAE	RE
Coryphaenoides gypsochilus	MACROURIDAE	RE
Coryphaenoides myersi	MACROURIDAE	RE
Nezumia loricata	MACROURIDAE	RE
Nezumia ventralis	MACROURIDAE	RE
Gadella thysthlon	MORIDAE	RE
Mugil galapagensis	MUGILIDAE	RE
Mugil thoburni	MUGILIDAE	RE
Eptatretus bobwisneri	MYXINIDAE	RE
Eptatretus goslinei	MYXINIDAE	RE
Eptatretus grouseri	MYXINIDAE	RE
Eptatretus mccoskeri	MYXINIDAE	RE
Myxine greggi	MYXINIDAE	RE
Myxine martinii	MYXINIDAE	RE
Myxine phantasma	MYXINIDAE	RE
Rubicundus lakeside	MYXINIDAE	RE
Dibranchus cracens	OGCOCEPHALIDAE	RE
Dibranchus discors	OGCOCEPHALIDAE	RE
Halieutopsis tumifrons	OGCOCEPHALIDAE	RE
Callechelys galapagensis	OPHICHTHIDAE	RE
Ophichthus arneutes	OPHICHTHIDAE	RE
Opistognathus galapagensis	OPISTOGNATHIDAE	RE
Apristurus n. sp.	PENTANCHIDAE	RE
Azurina eupalama	POMACENTRIDAE	RE
Rajella eisenhardti	RAJIDAE	RE
Pareques perissa	SCIAENIDAE	RE
Umbrina galapagorum	SCIAENIDAE	RE
Idiastion hageyi	SCORPAENIDAE	RE
Phenacoscorpius mccoskeri	SCORPAENIDAE	RE
Scorpaena wellingtoni	SCORPAENIDAE	RE
Bythaelurus giddingsi	SCYLIORHINIDAE	RE
Galeus n. sp.	SCYLIORHINIDAE	RE
Paralabrax albomaculatus	SERRANIDAE	RE
Serranus stilbostigma	SERRANIDAE	RE
Archosargus pourtalesii	SPARIDAE	RE
Calamus taurinus	SPARIDAE	RE
Hoplostethus pacificus	TRACHICHTHYIDAE	RE
Prionotus miles	TRIGLIDAE	RE
Lepidonectes corallicola	TRIPTERYGIIDAE	RE

TABLE 4

Fishes of the Galapagos Archipelago

shallow shorefish vagrants (65 spp.) & other vagrants (12 spp.)

Species	Family	Resident Vagrant Endemic
Acanthurus mata	ACANTHURIDAE	V
Acanthurus triostegus	ACANTHURIDAE	V
Naso annulatus	ACANTHURIDAE	V
Naso brevirostris	ACANTHURIDAE	V
Naso hexacanthus	ACANTHURIDAE	V
Naso vlamingii	ACANTHURIDAE	V
Trinectes fonsecensis	ACHIRIDAE	V
Albula esuncula	ALBULIDAE	V
Antennarius commerson	ANTENNARIIDAE	V
Melichthys vidua	BALISTIDAE	V
Xanthichthys caeruleolineatus	BALISTIDAE	V
Xanthichthys mento	BALISTIDAE	V
Tylosurus fodiator	BELONIDAE	V
Tylosurus pacificus	BELONIDAE	V
Scartichthys gigas	BLENNIIDAE	V
Chaetodon auriga	CHAETODONTIDAE	V
Chaetodon kleinii	CHAETODONTIDAE	V
Chaetodon lunula	CHAETODONTIDAE	V
Chaetodon meyeri	CHAETODONTIDAE	V
Chaetodon unimaculatus	CHAETODONTIDAE	V
Syacium latifrons	CYCLOPSETTIDAE	V
Syacium maculiferum	CYCLOPSETTIDAE	V
Cyclichthys spilostylus	DIODONTIDAE	V
Dormitator latifrons	ELEOTRIDAE	V
Eleotris picta	ELEOTRIDAE	V
Gobiomorus maculatus	ELEOTRIDAE	V
Elops affinis	ELOPIDAE	V
Cetengraulis mysticetus	ENGRAULIDAE	V
Epinephelus analogus	EPINEPHELIDAE	V
Fistularia corneta	FISTULARIIDAE	V
Evorthodus minutus	GOBIIDAE	V
Microdesmus dipus	GOBIIDAE	V
Rhencus macracanthus	HAEMULIDAE	V
Xenichthys xanti	HAEMULIDAE	V
Hyporhamphus gilli	HEMIRAMPHIDAE	V
Kyphosus cinerascens	KYPHOSIDAE	V
Calotomus carolinus	LABRIDAE-SCARINAE	V
Halichoeres adustus	LABRIDAE	V
Halichoeres melanotis	LABRIDAE	V
Lobotes pacifica	LOBOTIDAE	V
Lutjanus colorado	LUTJANIDAE	V
Pristipomoides zonatus	LUTJANIDAE	V
Aluterus monoceros	MONACANTHIDAE	V
Cantherhines dumerilii	MONACANTHIDAE	V
Gymnothorax buroensis	MURAENIDAE	V
Gymnothorax flavimarginatus	MURAENIDAE	V
Gymnothorax javanicus	MURAENIDAE	V
Gymnothorax meleagris	MURAENIDAE	V
Gymnothorax pictus	MURAENIDAE	V
Gymnothorax porphyreus	MURAENIDAE	V
Gymnothorax undulatus	MURAENIDAE	V
Scuticaria tigrina	MURAENIDAE	V
Scytalichthys miurus	OPHICHTHIDAE	V
Polydactylus approximans	POLYNEMIDAE	V
Pomacanthus zonipectus	POMACANTHIDAE	V
Azurina intercrusma	POMACENTRIDAE	V
Larimus pacificus	SCIAENIDAE	V
Taenianotus triacanthus	SCORPAENIDAE	V
Diplectrum eumelum	SERRANIDAE	V
Sphyraena barracuda	SPHYRAENIDAE	V
Arothron nigropunctatus	TETRAODONTIDAE	V
Canthigaster amboinensis	TETRAODONTIDAE	V
Canthigaster janthinoptera	TETRAODONTIDAE	V
Canthigaster valentini	TETRAODONTIDAE	V
Kathetostoma averruncus	URANOSCOPIDAE	V
NON-SHALLOW-SHOREFISH CATEGORY VAGRANTS (12)		
Hemanthias peruanus	ANTHIADIDAE	V
Monolene maculipinna	BOTHIDAE	V
Bregmaceros bathymaster	BREGMACEROTIDAE	V
Caranx ignobilis	CARANGIDAE	V
Euprepocaranx dorsalis	CARANGIDAE	V
Ferdauia orthogrammus	CARANGIDAE	V
Gnathanodon speciosus	CARANGIDAE	V
Trachinotus kennedyi	CARANGIDAE	V
Carcharhinus amblyrhynchos	CARCHARHINIDAE	V
Carcharodon carcharias	LAMNIDAE	V
Aetomylaeus asperrimus	MYLIOBATIDAE	V
Lactoria diaphana	OSTRACIIDAE	V

TABLE 5 (p. 1)

Fishes of the Galapagos Archipelago

shallow shorefish residents (261 spp.)

Species	Family	Resident Vagrant Endemic
Acanthurus nigricans	ACANTHURIDAE	R
Acanthurus xanthopterus	ACANTHURIDAE	R
Prionurus laticlavius	ACANTHURIDAE	R
Sardinops sagax	ALOSIDAE	R
Ammodytoides gilli	AMMODYTIDAE	R
Anguilla marmorata	ANGUILLIDAE	R
Abantennarius sanguineus	ANTENNARIIDAE	R
Antennatus strigatus	ANTENNARIIDAE	R
Fowlerichthys avalonis	ANTENNARIIDAE	R
Apogon atradorsatus	APOGONIDAE	R
Apogon dovii	APOGONIDAE	R
Apogon pacificus	APOGONIDAE	R
Atherinella nesiotes	ATHERINOPSIDAE	R
Melanorhinus cyanellus	ATHERINOPSIDAE	R
Aulostomus chinensis	AULOSTOMIDAE	R
Balistes polylepis	BALISTIDAE	R
Canthidermis maculata	BALISTIDAE	R
Melichthys niger	BALISTIDAE	R
Pseudobalistes naufragium	BALISTIDAE	R
Sufflamen verres	BALISTIDAE	R
Platybelone argalus pterura	BELONIDAE	R
Strongylura exilis	BELONIDAE	R
Entomacrodus chiostictus	BLENNIIDAE	R
Hypsoblennius brevipinnis	BLENNIIDAE	R
Ophioblennius steindachneri	BLENNIIDAE	R
Plagiotremus azaleus	BLENNIIDAE	R
Bothus leopardinus	BOTHIDAE	R
Bothus mancus	BOTHIDAE	R
Branchiostomus elongatus	BRANCHIOSTOMATIDAE	R
Calamopteryx jeb	BYTHITIDAE	RE
Grammonus diagrammus	BYTHITIDAE	R
Petrotyx hopkinsi	BYTHITIDAE	R
Synchiropus atrilabiatus	CALLIONYMIDAE	R
Centropomus viridis	CENTROPOMIDAE	R
Acanthemblemaria castroi	CHAENOPSIDAE	RE
Chaenopsis schmitti	CHAENOPSIDAE	RE
Chaetodon humeralis	CHAETODONTIDAE	R
Forcipiger flavissimus	CHAETODONTIDAE	R
Johnrandallia nigrirostris	CHAETODONTIDAE	R
Prognathodes carlhubbsi	CHAETODONTIDAE	R
Chanos chanos	CHANIDAE	R
Cirrhitichthys oxycephalus	CIRRHITIDAE	R
Cirrhitus rivulatus	CIRRHITIDAE	R
Oxycirrhites typus	CIRRHITIDAE	R
Harengula thrissina	CLUPEIDAE	R
Lile stolifera	CLUPEIDAE	R
Opisthonema berlangai	CLUPEIDAE	RE
Opisthonema libertate	CLUPEIDAE	R
Heteroconger klausewitzi	CONGRIDAE	R
Citharichthys darwini	CYCLOPSETTIDAE	RE
Citharichthys gnathus	CYCLOPSETTIDAE	R
Symphurus atramentatus	CYNOGLOSSIDAE	R
Dactyloscopus lacteus	DACTYLOSCOPIDAE	RE
Gillellus semicinctus	DACTYLOSCOPIDAE	R
Myxodagnus sagitta	DACTYLOSCOPIDAE	RE
Platygillellus rubellulus	DACTYLOSCOPIDAE	RE
Hypanus dipterurus	DASYATIDAE	R
Hypanus longus	DASYATIDAE	R
Ogilbia deroyi	DINEMATICHTHYIDAE	RE
Ogilbia galapagosensis	DINEMATICHTHYIDAE	RE
Chilomycterus reticulatus	DIODONTIDAE	R
Diodon holocanthus	DIODONTIDAE	R
Diodon hystrix	DIODONTIDAE	R
Etrumeus acuminatus	DUSSUMIERIIDAE	R
Anchoa argentivittata	ENGRAULIDAE	R
Anchoa ischana	ENGRAULIDAE	R
Engraulis ringens	ENGRAULIDAE	R
Alphestes immaculatus	EPINEPHELIDAE	R
Cephalopholis colonus	EPINEPHELIDAE	R
Cephalopholis panamensis	EPINEPHELIDAE	R
Dermatolepis dermatolepis	EPINEPHELIDAE	R
Epinephelus labriformis	EPINEPHELIDAE	R
Hyporthodus mystacinus	EPINEPHELIDAE	R
Hyporthodus niphobles	EPINEPHELIDAE	R
Mycteroperca olfax	EPINEPHELIDAE	R
Fistularia commersonii	FISTULARIIDAE	R
Diapterus brevirostris	GERREIDAE	R
Eucinostomus currani	GERREIDAE	R
Eucinostomus dowii	GERREIDAE	R
Eucinostomus gracilis	GERREIDAE	R

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Fishes of the Galapagos Archipelago

shallow shorefish residents (261 spp.)

Species	Family	Resident Vagrant Endemic
Eugerres lineatus	GERREIDAE	R
Gerres simillimus	GERREIDAE	R
Girella freminvillii	GIRELLIDAE	RE
Arcos poecilophthalmos	GOBIESOCIDAE	R
Tomicodon chilensis	GOBIESOCIDAE	R
Tomicodon petersii	GOBIESOCIDAE	R
Bathygobius lineatus	GOBIIDAE	R
Chriolepis tagus	GOBIIDAE	RE
Clarkichthys bilineatus	GOBIIDAE	R
Coryphopterus urospilus	GOBIIDAE	R
Eleotrica cableae	GOBIIDAE	RE
Lythrypnus gilberti	GOBIIDAE	RE
Lythrypnus rhizophora	GOBIIDAE	R
Schindleria praematura	GOBIIDAE	R
Tigrigobius nesiotes	GOBIIDAE	R
Pseudogramma thaumasia	GRAMMISTIDAE	R
Rypticus bicolor	GRAMMISTIDAE	R
Rypticus nigripinnis	GRAMMISTIDAE	R
Anisotremus espinozai	HAEMULIDAE	R
Anisotremus scapularis	HAEMULIDAE	R
Brachygenys jessiae	HAEMULIDAE	RE
Haemulon maculicauda	HAEMULIDAE	R
Haemulon scudderii	HAEMULIDAE	R
Haemulon sexfasciatum	HAEMULIDAE	R
Microlepidotus lethopristis	HAEMULIDAE	RE
Orthopristis cantharina	HAEMULIDAE	R
Orthopristis chalcea	HAEMULIDAE	R
Orthopristis forbesi	HAEMULIDAE	RE
Xenichthys agassizii	HAEMULIDAE	RE
Hemiramphus saltator	HEMIRAMPHIDAE	R
Hyporhamphus naos	HEMIRAMPHIDAE	R
Heterodontus quoyi	HETERODONTIDAE	R
Myripristis berndti	HOLOCENTRIDAE	R
Myripristis leiognathus	HOLOCENTRIDAE	R
Neoniphon suborbitalis	HOLOCENTRIDAE	R
Kuhlia mugil	KUHLIIDAE	R
Kyphosus elegans	KYPHOSIDAE	R
Kyphosus ocyurus	KYPHOSIDAE	R
Kyphosus sectatrix	KYPHOSIDAE	R
Kyphosus vaigiensis	KYPHOSIDAE	R
Bodianus darwini	LABRIDAE	R
Bodianus diplotaenia	LABRIDAE	R
Bodianus eclancheri	LABRIDAE	R
Halichoeres chierchiae	LABRIDAE	R
Halichoeres dispilus	LABRIDAE	R
Halichoeres nicholsi	LABRIDAE	R
Halichoeres notospilus	LABRIDAE	R
Iniistius pavo	LABRIDAE	R
Nicholsina denticulata	LABRIDAE-SCARINAE	R
Novaculichthys taeniourus	LABRIDAE	R
Scarus compressus	LABRIDAE-SCARINAE	R
Scarus ghobban	LABRIDAE-SCARINAE	R
Scarus perrico	LABRIDAE-SCARINAE	R
Scarus rubroviolaceus	LABRIDAE-SCARINAE	R
Stethojulis bandanensis	LABRIDAE	R
Thalassoma grammaticum	LABRIDAE	R
Thalassoma lucasanum	LABRIDAE	R
Thalassoma purpureum	LABRIDAE	R
Xyrichtys victori	LABRIDAE	R
Cottoclinus canops	LABRISOMIDAE	RE
Dialommus fuscus	LABRISOMIDAE	R
Gobioclinus dendriticus	LABRISOMIDAE	R
Labrisomus jenkinsi	LABRISOMIDAE	RE
Labrisomus multiporosus	LABRISOMIDAE	R
Malacoctenus tetranemus	LABRISOMIDAE	R
Malacoctenus zonogaster	LABRISOMIDAE	RE
Starksia galapagensis	LABRISOMIDAE	RE
Caulolatilus affinis	LATILIDAE	R
Caulolatilus princeps	LATILIDAE	R
Liopropoma fasciatum	LIOPROPOMATIDAE	R
Hoplopagrus guentherii	LUTJANIDAE	R
Lutjanus aratus	LUTJANIDAE	R
Lutjanus argentiventris	LUTJANIDAE	R
Lutjanus guttatus	LUTJANIDAE	R
Lutjanus inermis	LUTJANIDAE	R
Lutjanus jordani	LUTJANIDAE	R
Lutjanus novemfasciatus	LUTJANIDAE	R
Lutjanus viridis	LUTJANIDAE	R
Malacanthus brevirostris	MALACANTHIDAE	R
Hemilutjanus macrophthalmos	MALAKICHTHYIDAE	R

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Fishes of the Galapagos Archipelago

shallow shorefish residents (261 spp.)

Species	Family	Resident Vagrant Endemic
Aluterus scriptus	MONACANTHIDAE	R
Chaenomugil proboscideus	MUGILIDAE	R
Dajaus monticola	MUGILIDAE	R
Mugil galapagensis	MUGILIDAE	RE
Mugil thoburni	MUGILIDAE	RE
Mulloidichthys dentatus	MULLIDAE	R
Pseudupeneus grandisquamis	MULLIDAE	R
Anarchias galapagensis	MURAENIDAE	R
Echidna nebulosa	MURAENIDAE	R
Echidna nocturna	MURAENIDAE	R
Enchelycore lichenosa	MURAENIDAE	R
Enchelycore octaviana	MURAENIDAE	R
Gymnomuraena zebra	MURAENIDAE	R
Gymnothorax angusticeps	MURAENIDAE	R
Gymnothorax castaneus	MURAENIDAE	R
Gymnothorax dovii	MURAENIDAE	R
Gymnothorax panamensis	MURAENIDAE	R
Muraena argus	MURAENIDAE	R
Muraena clepsydra	MURAENIDAE	R
Muraena lentiginosa	MURAENIDAE	R
Uropterygius macrocephalus	MURAENIDAE	R
Uropterygius polystictus	MURAENIDAE	R
Uropterygius versutus	MURAENIDAE	R
Ogcocephalus darwini	OGCOCEPHALIDAE	R
Apterichtus equatorialis	OPHICHTHIDAE	R
Bascanichthys bascanoides	OPHICHTHIDAE	R
Callechelys galapagensis	OPHICHTHIDAE	RE
Herpetoichthys fossatus	OPHICHTHIDAE	R
Ichthyapus selachops	OPHICHTHIDAE	R
Myrichthys xysturus	OPHICHTHIDAE	R
Ophichthus arneutes	OPHICHTHIDAE	RE
Ophichthus rugifer	OPHICHTHIDAE	R
Paraletharchus opercularis	OPHICHTHIDAE	R
Phaenomonas pinnata	OPHICHTHIDAE	R
Quassiremus evionthas	OPHICHTHIDAE	R
Brotula ordwayi	OPHIDIIDAE	R
Carapus mourlani	OPHIDIIDAE	R
Echiodon exsilium	OPHIDIIDAE	R
Encheliophis vermicularis	OPHIDIIDAE	R
Lepophidium pardale	OPHIDIIDAE	R
Ophidion galapagensis	OPHIDIIDAE	R
Otophidium indefatigabile	OPHIDIIDAE	R
Opistognathus galapagensis	OPISTOGNATHIDAE	RE
Oplegnathus insignis	OPLEGNATHIDAE	R
Ostracion meleagris	OSTRACIIDAE	R
Hippoglossina bollmani	PARALICHTHYIDAE	R
Paralichthys woolmani	PARALICHTHYIDAE	R
Holacanthus passer	POMACANTHIDAE	R
Abudefduf concolor	POMACENTRIDAE	R
Abudefduf troschelii	POMACENTRIDAE	R
Azurina atrilobata	POMACENTRIDAE	R
Azurina eupalama	POMACENTRIDAE	RE
Chromis alta	POMACENTRIDAE	R
Microspathodon bairdii	POMACENTRIDAE	R
Microspathodon dorsalis	POMACENTRIDAE	R
Nexilosus latifrons	POMACENTRIDAE	R
Stegastes acapulcoensis	POMACENTRIDAE	R
Stegastes arcifrons	POMACENTRIDAE	R
Stegastes beebei	POMACENTRIDAE	R
Stegastes flavilatus	POMACENTRIDAE	R
Styracura pacifica	POTAMOTRYGONIDAE	R
Heteropriacanthus carolinus	PRIACANTHIDAE	R
Pristigenys serrula	PRIACANTHIDAE	R
Rostroraja velezi	RAJIDAE	R
Pseudobatos planiceps	RHINOBATIDAE	R
Corvula macrops	SCIAENIDAE	R
Odontoscion eurymesops	SCIAENIDAE	R
Pareques perissa	SCIAENIDAE	RE
Umbrina galapagorum	SCIAENIDAE	RE
Scorpaena histrio	SCORPAENIDAE	R
Scorpaena mystes	SCORPAENIDAE	R
Scorpaena wellingtoni	SCORPAENIDAE	RE
Scorpaenodes xyris	SCORPAENIDAE	R
Cratinus agassizii	SERRANIDAE	R
Diplectrum rostrum	SERRANIDAE	R
Paralabrax albomaculatus	SERRANIDAE	RE
Serranus psittacinus	SERRANIDAE	R
Aseraggodes herrei	SOLEIDAE	R
Archosargus pourtalesii	SPARIDAE	RE
Calamus brachysomus	SPARIDAE	R

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Fishes of the Galapagos Archipelago

shallow shorefish residents (261 spp.)

Species	Family	Resident Vagrant Endemic
Calamus taurinus	SPARIDAE	RE
Sphyraena idiastes	SPHYRAENIDAE	R
Sphyraena stellata	SPHYRAENIDAE	R
Bryx veleronis	SYNGNATHIDAE	R
Cosmocampus coccineus	SYNGNATHIDAE	R
Doryrhamphus melanopleura	SYNGNATHIDAE	R
Hippocampus ingens	SYNGNATHIDAE	R
Synodus lacertinus	SYNODONTIDAE	R
Synodus scituliceps	SYNODONTIDAE	R
Synodus sechurae	SYNODONTIDAE	R
Arothron hispidus	TETRAODONTIDAE	R
Arothron meleagris	TETRAODONTIDAE	R
Canthigaster punctatissima	TETRAODONTIDAE	R
Sphoeroides angusticeps	TETRAODONTIDAE	R
Sphoeroides annulatus	TETRAODONTIDAE	R
Sphoeroides lobatus	TETRAODONTIDAE	R
Tetronarce tremens	TORPEDINIDAE	R
Prionotus miles	TRIGLIDAE	RE
Prionotus stephanophrys	TRIGLIDAE	R
Lepidonectes corallicola	TRIPTERYGIIDAE	RE
Zanclus cornutus	ZANCLIDAE	R

nearshore pelagics (28 spp.)

Species	Family	Resident Vagrant Endemic
Alectis ciliaris	CARANGIDAE	R
Caranx caballus	CARANGIDAE	R
Caranx caninus	CARANGIDAE	R
Caranx ignobilis	CARANGIDAE	V
Caranx lugubris	CARANGIDAE	R
Caranx melampygus	CARANGIDAE	R
Caranx sexfasciatus	CARANGIDAE	R
Decapterus macarellus	CARANGIDAE	R
Decapterus macrosoma	CARANGIDAE	R
Decapterus muroadsi	CARANGIDAE	R
Elagatis bipinnulata	CARANGIDAE	R
Euprepocaranx dorsalis	CARANGIDAE	V
Ferdauia orthogrammus	CARANGIDAE	V
Gnathanodon speciosus	CARANGIDAE	V
Oligoplites inornatus	CARANGIDAE	R
Selar crumenophthalmus	CARANGIDAE	R
Selene peruviana	CARANGIDAE	R
Seriola lalandi	CARANGIDAE	R
Seriola peruana	CARANGIDAE	R
Seriola rivoliana	CARANGIDAE	R
Trachinotus kennedyi	CARANGIDAE	V
Trachinotus paitensis	CARANGIDAE	R
Trachinotus rhodopus	CARANGIDAE	R
Trachinotus stilbe	CARANGIDAE	R
Trachurus murphyi	CARANGIDAE	R
Uraspis helvola	CARANGIDAE	R
Coryphaena equiselis	CORYPHAENIDAE	R
Coryphaena hippurus	CORYPHAENIDAE	R

TABLE 6 (p. 1)

Fishes of the Galapagos Archipelago

deepwater non-pelagic (121 spp.)

Species	Family	Resident Vagrant Endemic
Anthias noeli	ANTHIADIDAE	R
Hemanthias peruanus	ANTHIADIDAE	V
Pronotogrammus multifasciatus	ANTHIADIDAE	R
Bathyraja abyssicola	ARHYNCHOBATIDAE	R
Bathyraja peruana	ARHYNCHOBATIDAE	R
Bathyraja richardsoni	ARHYNCHOBATIDAE	R
Bathyraja spinosissima	ARHYNCHOBATIDAE	R
Aulopus chirichignoae	AULOPIDAE	R
Monolene maculipinna	BOTHIDAE	V
Bellottia sp.	BYTHITIDAE	R
Cataetyx rubirostris	BYTHITIDAE	R
Cataetyx simus	BYTHITIDAE	R
Diplacanthopoma jordani	BYTHITIDAE	R
Lucifuga inopinata	BYTHITIDAE	RE
Pseudonus acutus	BYTHITIDAE	RE
Centrophorus squamosus	CENTROPHORIDAE	R
Chaunacops coloratus	CHAUNACIDAE	R
Hydrolagus alphus	CHIMAERIDAE	RE
Hydrolagus mccoskeri	CHIMAERIDAE	RE
Hydrolagus melanophasma	CHIMAERIDAE	R
Hydrolagus n. sp.	CHIMAERIDAE	RE
Chlopsis bicollaris	CHLOPSIDAE	R
Chlorophthalmus mento	CHLOROPHTHALMIDAE	R
Ariosoma gilberti	CONGRIDAE	R
Bathycongrus varidens	CONGRIDAE	R
Japonoconger proriger	CONGRIDAE	R
Paraconger californiensis	CONGRIDAE	R
Paraconger similis	CONGRIDAE	R
Xenomystax atrarius	CONGRIDAE	R
Symphurus diabolicus	CYNOGLOSSIDAE	R
Symphurus varius	CYNOGLOSSIDAE	R
Taeniurops meyeni	DASYATIDAE	R
Echinorhinus cookei	ECHINORHINIDAE	R
Epigonus macrops	EPIGONIDAE	R
Hyporthodus cifuentesi	EPINEPHELIDAE	R
Centroscyllium nigrum	ETMOPTERIDAE	R
Gurgesiella furvescens	GURGESIELLIDAE	R
Halosaurus attenuatus	HALOSAURIDAE	R
Hexanchus griseus	HEXANCHIDAE	R
Notorynchus cepedianus	HEXANCHIDAE	R
Howella pammelas	HOWELLIDAE	R
Bathypterois atricolor	IPNOPIDAE	R
Bathypterois pectinatus	IPNOPIDAE	R
Ipnops agassizii	IPNOPIDAE	R
Decodon melasma	LABRIDAE	R
Sagittalarva inornata	LABRIDAE	R
Liopropoma longilepis	LIOPROPOMATIDAE	R
Paraliparis darwini	LIPARIDAE	RE
Paraliparis galapagosensis	LIPARIDAE	RE
Lophiodes spilurus	LOPHIIDAE	R
Coelorinchus canus	MACROURIDAE	R
Coryphaenoides anguliceps	MACROURIDAE	R
Coryphaenoides armatus	MACROURIDAE	R
Coryphaenoides boops	MACROURIDAE	R
Coryphaenoides bucephalus	MACROURIDAE	R
Coryphaenoides bulbiceps	MACROURIDAE	R
Coryphaenoides delsolari	MACROURIDAE	R
Coryphaenoides gypsochilus	MACROURIDAE	RE
Coryphaenoides myersi	MACROURIDAE	RE
Mataeocephalus tenuicauda	MACROURIDAE	R
Nezumia convergens	MACROURIDAE	R
Nezumia loricata	MACROURIDAE	RE
Nezumia stelgidolepis	MACROURIDAE	R
Nezumia ventralis	MACROURIDAE	RE
Antimora rostrata	MORIDAE	R
Gadella filifer	MORIDAE	R
Gadella thysthlon	MORIDAE	RE
Laemonema gracillipes	MORIDAE	R
Physiculus nematopus	MORIDAE	R
Myroconger nigrodentatus	MYROCONGRIDAE	R
Eptatretus bobwisneri	MYXINIDAE	RE
Eptatretus goslinei	MYXINIDAE	RE
Eptatretus grouseri	MYXINIDAE	RE
Eptatretus mccoskeri	MYXINIDAE	RE
Myxine martinii	MYXINIDAE	RE
Myxine greggi	MYXINIDAE	RE
Myxine phantasma	MYXINIDAE	RE
Rubicundus lakeside	MYXINIDAE	RE
Facciolella equatorialis	NETTASTOMATIDAE	R
Notacanthus spinosus	NOTACANTHIDAE	R

TABLE 6 (p. 2)

Fishes of the Galapagos Archipelago

deepwater non-pelagic (121 spp.)

Species	Family	Resident Vagrant Endemic
Dibranchus cracens	OGCOCEPHALIDAE	RE
Dibranchus discors	OGCOCEPHALIDAE	RE
Dibranchus erinaceus	OGCOCEPHALIDAE	R
Dibranchus hystrix	OGCOCEPHALIDAE	R
Halieutopsis tumifrons	OGCOCEPHALIDAE	RE
Bathyonus caudalis	OPHIDIIDAE	R
Dicrolene nigra	OPHIDIIDAE	R
Eretmichthys pinnatus	OPHIDIIDAE	R
Lamprogrammus niger	OPHIDIIDAE	R
Monomitopus malispinosus	OPHIDIIDAE	R
Monomitopus torvus	OPHIDIIDAE	R
Apristurus kampae	PENTANCHIDAE	R
Apristurus n. sp.	PENTANCHIDAE	RE
Psychrolutes sio	PSYCHROLUTIDAE	R
Rajella eisenhardti	RAJIDAE	RE
Ectreposebastes imus	SCORPAENIDAE	R
Idiastion hageyi	SCORPAENIDAE	RE
Phenacoscorpius mccoskeri	SCORPAENIDAE	RE
Pontinus clemensi	SCORPAENIDAE	R
Pontinus furcirhinus	SCORPAENIDAE	R
Pontinus sierra	SCORPAENIDAE	R
Scorpaena cocosensis	SCORPAENIDAE	R
Scorpaenodes rubrivinctus	SCORPAENIDAE	R
Sebastolobus altivelis	SCORPAENIDAE	R
Trachyscorpia osheri	SCORPAENIDAE	R
Bythaelurus giddingsi	SCYLIORHINIDAE	RE
Galeus n. sp.	SCYLIORHINIDAE	RE
Serranus aequidens	SERRANIDAE	R
Serranus stilbostigma	SERRANIDAE	RE
Ilyophis arx	SYNAPHOBRANCHIDAE	R
Ilyophis brunneus	SYNAPHOBRANCHIDAE	R
Hoplostethus pacificus	TRACHICHTHYIDAE	RE
Trachyrincus helolepis	TRACHYRINCIDAE	R
Mustelus albipinnis	TRIAKIDAE	R
Mustelus mento	TRIAKIDAE	R
Triakis maculata	TRIAKIDAE	R
Bellator farrago	TRIGLIDAE	R
Peristedion crustosum	TRIGLIDAE	R
Lycodapus australis	ZOARCIDAE	R
Melanostigma bathium	ZOARCIDAE	R
Thermarces cerberus	ZOARCIDAE	R

TABLE 7 (p. 1)

Fishes of the Galapagos Archipelago

offshore pelagics (96 spp.)

Species	Family	Resident Vagrant Endemic
Aetobatus ocellatus	AETOBATIDAE	R
Alopias pelagicus	ALOPIIDAE	R
Ablennes hians	BELONIDAE	R
Brama dussumieri	BRAMIDAE	R
Taractes rubescens	BRAMIDAE	R
Bregmaceros bathymaster	BREGMACEROTIDAE	V
Naucrates ductor	CARANGIDAE	R
Carcharhinus albimarginatus	CARCHARHINIDAE	R
Carcharhinus altimus	CARCHARHINIDAE	R
Carcharhinus amblyrhynchos	CARCHARHINIDAE	V
Carcharhinus falciformis	CARCHARHINIDAE	R
Carcharhinus galapagensis	CARCHARHINIDAE	R
Carcharhinus limbatus	CARCHARHINIDAE	R
Carcharhinus longimanus	CARCHARHINIDAE	R
Nasolamia velox	CARCHARHINIDAE	R
Prionace glauca	CARCHARHINIDAE	R
Triaenodon obesus	CARCHARHINIDAE	R
Paracaristius sp.	CARISTIIDAE	R
Seriolella violacea	CENTROLOPHIDAE	R
Isistius brasiliensis	DALATIIDAE	R
Pteroplatytrygon violacea	DASYATIDAE	R
Diodon eydouxii	DIODONTIDAE	R
Echeneis naucrates	ECHENEIDAE	R
Phtheirichthys lineatus	ECHENEIDAE	R
Remora albescens	ECHENEIDAE	R
Remora brachyptera	ECHENEIDAE	R
Remora osteochir	ECHENEIDAE	R
Remora remora	ECHENEIDAE	R
Cheilopogon atrisignis	EXOCOETIDAE	R
Cheilopogon dorsomacula	EXOCOETIDAE	R
Cheilopogon spilonotopterus	EXOCOETIDAE	R
Cheilopogon xenopterus	EXOCOETIDAE	R
Cypselurus callopterus	EXOCOETIDAE	R
Exocoetus monocirrhus	EXOCOETIDAE	R
Exocoetus volitans	EXOCOETIDAE	R
Fodiator rostratus	EXOCOETIDAE	R
Hirundichthys marginatus	EXOCOETIDAE	R
Hirundichthys speculiger	EXOCOETIDAE	R
Galeocerdo cuvier	GALEOCERDONIDAE	R
Gempylus serpens	GEMPYLIDAE	R
Lepidocybium flavobrunneum	GEMPYLIDAE	R
Nealotus tripes	GEMPYLIDAE	R
Ruvettus pretiosus	GEMPYLIDAE	R
Euleptorhamphus viridis	HEMIRAMPHIDAE	R
Oxyporhamphus micropterus	HEMIRAMPHIDAE	R
Istiompax indica	ISTIOPHORIDAE	R
Istiophorus platypterus	ISTIOPHORIDAE	R
Kajikia audax	ISTIOPHORIDAE	R
Makaira nigricans	ISTIOPHORIDAE	R
Tetrapturus angustirostris	ISTIOPHORIDAE	R
Carcharodon carcharias	LAMNIDAE	V
Isurus oxyrinchus	LAMNIDAE	R
Luvarus imperialis	LUVARIDAE	R
Mobula birostris	MOBULIDAE	R
Mobula mobular	MOBULIDAE	R
Mobula munkiana	MOBULIDAE	R
Mobula tarapacana	MOBULIDAE	R
Mobula thurstoni	MOBULIDAE	R
Masturus lanceolatus	MOLIDAE	R
Mola alexandrini	MOLIDAE	R
Aetomylaeus asperrimus	MYLIOBATIDAE	V
Myliobatis peruviana	MYLIOBATIDAE	R
Cubiceps pauciradiatus	NOMEIDAE	R
Nomeus gronovii	NOMEIDAE	R
Psenes arafurensis	NOMEIDAE	R
Psenes cyanophrys	NOMEIDAE	R
Psenes pellucidus	NOMEIDAE	R
Psenes sio	NOMEIDAE	R
Odontaspis ferox	ODONTASPIDIDAE	R
Lactoria diaphana	OSTRACIIDAE	V
Regalecus russellii	REGALECIDAE	R
Rhincodon typus	RHINCODONTIDAE	R
Rhinoptera steindachneri	RHINOPTERIDAE	R
Cololabis adoceta	SCOMBERESOCIDAE	R
Acanthocybium solandri	SCOMBRIDAE	R
Auxis rochei	SCOMBRIDAE	R
Auxis thazard	SCOMBRIDAE	R
Euthynnus lineatus	SCOMBRIDAE	R
Katsuwonus pelamis	SCOMBRIDAE	R
Sarda orientalis	SCOMBRIDAE	R

TABLE 7 (p. 2)

Fishes of the Galapagos Archipelago

offshore pelagics (96 spp.)

Species	Family	Resident Vagrant Endemic	Species	Family	Resident Vagrant Endemic
Scomber japonicus	SCOMBRIDAE	R			
Scomberomorus sierra	SCOMBRIDAE	R			
Thunnus albacares	SCOMBRIDAE	R			
Thunnus obesus	SCOMBRIDAE	R			
Sphyrna lewini	SPHYRNIDAE	R			
Sphyrna zygaena	SPHYRNIDAE	R			
Peprilus medius	STROMATEIDAE	R			
Tetragonurus atlanticus	TETRAGONURIDAE	R			
Lagocephalus lagocephalus	TETRAODONTIDAE	R			
Desmodema polystictum	TRACHIPTERIDAE	R			
Zu cristatus	TRACHIPTERIDAE	R			
Aphanopus capricornis	TRICHIURIDAE	R			
Benthodesmus tenuis	TRICHIURIDAE	R			
Lepidopus manis	TRICHIURIDAE	R			
Trichiurus nitens	TRICHIURIDAE	R			
Xiphias gladius	XIPHIIDAE	R			

TABLE 8 (p. 1)

Fishes of the Galapagos Archipelago

mesopelagics (112 spp.)

Species	Family	Resident Vagrant Endemic
Bathytroctes macrolepis	ALEPOCEPHALIDAE	R
Einara macrolepis	ALEPOCEPHALIDAE	R
Narcetes erimelas	ALEPOCEPHALIDAE	R
Photostylus pycnopterus	ALEPOCEPHALIDAE	R
Alopias superciliosus	ALOPIIDAE	R
Anoplogaster cornuta	ANOPLOGASTRIDAE	R
Argentina aliceae	ARGENTINIDAE	R
Guentherus altivela	ATELEOPODIDAE	R
Bathylagoides nigrigenys	BATHYLAGIDAE	R
Leuroglossus stilbius	BATHYLAGIDAE	R
Cryptopsaras coueseii	CERATIIDAE	R
Cetomimus gillii	CETOMIMIDAE	R
Chiasmodon niger	CHIASMODONTIDAE	R
Chiasmodon subniger	CHIASMODONTIDAE	R
Evermannella ahlstromi	EVERMANNELLIDAE	R
Gigantactis vanhoeffeni	GIGANTACTINIDAE	R
Cyclothone acclinidens	GONOSTOMATIDAE	R
Cyclothone alba	GONOSTOMATIDAE	R
Cyclothone atraria	GONOSTOMATIDAE	R
Cyclothone obscura	GONOSTOMATIDAE	R
Cyclothone pallida	GONOSTOMATIDAE	R
Cyclothone signata	GONOSTOMATIDAE	R
Diplophos proximus	GONOSTOMATIDAE	R
Borophryne apogon	LINOPHRYNIDAE	R
Melamphaes laeviceps	MELAMPHAIDAE	R
Melamphaes spinifer	MELAMPHAIDAE	R
Poromitra crassiceps	MELAMPHAIDAE	R
Poromitra frontosa	MELAMPHAIDAE	R
Poromitra jucunda	MELAMPHAIDAE	R
Poromitra nigrofulva	MELAMPHAIDAE	R
Poromitra oscitans	MELAMPHAIDAE	R
Scopeloberyx opisthopterus	MELAMPHAIDAE	R
Scopeloberyx robustus	MELAMPHAIDAE	R
Scopelogadus bispinosus	MELAMPHAIDAE	R
Melanocetus murrayi	MELANOCETIDAE	R
Bolinichthys longipes	MYCTOPHIDAE	R
Centrobranchus nigroocellatus	MYCTOPHIDAE	R
Diaphus pacificus	MYCTOPHIDAE	R
Diaphus rafinesqii	MYCTOPHIDAE	R
Diaphus termophilus	MYCTOPHIDAE	R
Diaphus theta	MYCTOPHIDAE	R
Diogenichthys laternatus	MYCTOPHIDAE	R
Gonichthys tenuiculus	MYCTOPHIDAE	R
Gonichthys venetus	MYCTOPHIDAE	R
Hygophum reinhardtii	MYCTOPHIDAE	R
Lampadena luminosa	MYCTOPHIDAE	R
Lampanyctus hubbsi	MYCTOPHIDAE	R
Lampanyctus idostigma	MYCTOPHIDAE	R
Lampanyctus macropterus	MYCTOPHIDAE	R
Lampanyctus omostigma	MYCTOPHIDAE	R
Lampanyctus parvicauda	MYCTOPHIDAE	R
Lampanyctus ritteri	MYCTOPHIDAE	R
Lampanyctus tenuiformis	MYCTOPHIDAE	R
Loweina rara	MYCTOPHIDAE	R
Myctophum brachygnathum	MYCTOPHIDAE	R
Myctophum affine	MYCTOPHIDAE	R
Myctophum aurolaternatum	MYCTOPHIDAE	R
Myctophum nitidulum	MYCTOPHIDAE	R
Notolychnus valdiviae	MYCTOPHIDAE	R
Notoscopelus elongatus	MYCTOPHIDAE	R
Notoscopelus resplendens	MYCTOPHIDAE	R
Symbolophorus evermanni	MYCTOPHIDAE	R
Symbolophorus reversus	MYCTOPHIDAE	R
Triphoturus mexicanus	MYCTOPHIDAE	R
Triphoturus oculeum	MYCTOPHIDAE	R
Nemichthys scolopaceus	NEMICHTHYIDAE	R
Scopelengys tristis	NEOSCOPELIDAE	R
Scopelosaurus hubbsi	NOTOSUDIDAE	R
Chaenophryne draco	ONEIRODIDAE	R
Dolopichthys allector	ONEIRODIDAE	R
Microlophichthys microlophus	ONEIRODIDAE	R
Pentherichthys atratus	ONEIRODIDAE	R
Dolichopteryx pseudolongipes	OPISTHOPROCTIDAE	R
Lestidiops pacificus	PARALEPIDIDAE	R
Stemonosudis macrura	PARALEPIDIDAE	R
Ichthyococcus irregularis	PHOSICHTHYIDAE	R
Vinciguerria lucetia	PHOSICHTHYIDAE	R
Vinciguerria poweriae	PHOSICHTHYIDAE	R
Yarrella argenteola	PHOSICHTHYIDAE	R
Holtbyrnia latifrons	PLATYTROCTIDAE	R

TABLE 8 (p. 2)

Fishes of the Galapagos Archipelago

mesopelagics (112 spp.)

Species	Family	Resident Vagrant Endemic
Maulisia isaacsi	PLATYTROCTIDAE	R
Platytroctes apus	PLATYTROCTIDAE	R
Rondeletia loricata	RONDELETIIDAE	R
Rosenblattichthys volucris	SCOPELARCHIDAE	R
Scopelarchoides nicholsi	SCOPELARCHIDAE	R
Scopelarchus guentheri	SCOPELARCHIDAE	R
Serrivomer sector	SERRIVOMERIDAE	R
Argyropelecus aculeatus	STERNOPTYCHIDAE	R
Argyropelecus affinis	STERNOPTYCHIDAE	R
Argyropelecus lychnus	STERNOPTYCHIDAE	R
Argyropelecus olfersii	STERNOPTYCHIDAE	R
Argyropelecus sladeni	STERNOPTYCHIDAE	R
Maurolicus australis	STERNOPTYCHIDAE	R
Sternoptyx diaphana	STERNOPTYCHIDAE	R
Sternoptyx obscura	STERNOPTYCHIDAE	R
Sternoptyx pseudobscura	STERNOPTYCHIDAE	R
Valencienellus tripunctulatus	STERNOPTYCHIDAE	R
Astronesthes cyanea	STOMIIDAE	R
Astronesthes galapagensis	STOMIIDAE	R
Astronesthes gibbsi	STOMIIDAE	R
Astronesthes indica	STOMIIDAE	R
Astronesthes lampara	STOMIIDAE	R
Bathophilus filifer	STOMIIDAE	R
Borostomias elucens	STOMIIDAE	R
Borostomias panamensis	STOMIIDAE	R
Chauliodus barbatus	STOMIIDAE	R
Chauliodus sloani	STOMIIDAE	R
Idiacanthus antrostomus	STOMIIDAE	R
Malacosteus niger	STOMIIDAE	R
Stomias atriventer	STOMIIDAE	R
Stomias colubrinus	STOMIIDAE	R
Stylephorus chordatus	STYLEPHORIDAE	R

TABLE 9 (p. 1)

Fishes of the Galapagos Archipelago

following Grove et al. (2022); in taxonomic order (with changes in **bold**)

Species	Family	Resident Vagrant Endemic
Branchiostomus elongatus	**Branchiostomatidae**	**R**
Eptatretus goslinei	Myxinidae	R**E**
Eptatretus grouseri	Myxinidae	R**E**
Eptatretus mccoskeri	Myxinidae	R**E**
Eptatretus bobwisneri	Myxinidae	R**E**
Myxine greggi	Myxinidae	R**E**
Myxine phantasma	Myxinidae	R**E**
Myxine ***martinii***	Myxinidae	R**E**
Rubicundus lakeside	Myxinidae	R**E**
Hexanchus griseus	Hexanchidae	R
Notorynchus cepedianus	Hexanchidae	R
Heterodontus quoyi	Heterodontidae	R
Rhincodon typus	Rhincodontidae	R
Odontaspis ferox	Odontaspididae	R
Alopias pelagicus	Alopiidae	R
Alopias superciliosus	Alopiidae	R
Isurus oxyrinchus	Lamnidae	R
Carcharodon carcharias	**Lamnidae**	**V**
Bythaelurus giddingsi	Scyliorhinidae	R**E**
Apristurus kampae	Pentanchidae	R
Apristurus n. sp.	Pentanchidae	R**E**
Galeus n. sp.	**Scyliorhinidae**	R**E**
Mustelus albipinnis	Triakidae	R
Mustelus mento	Triakidae	R
Triakis maculata	Triakidae	R
Carcharhinus albimarginatus	Carcharhinidae	R
Carcharhinus altimus	Carcharhinidae	R
Carcharhinus amblyrhynchos	Carcharhinidae	V
Carcharhinus falciformis	Carcharhinidae	R
Carcharhinus galapagensis	Carcharhinidae	R
Carcharhinus limbatus	Carcharhinidae	R
Carcharhinus longimanus	Carcharhinidae	R
Nasolamia velox	Carcharhinidae	R
Prionace glauca	Carcharhinidae	R
Triaenodon obesus	Carcharhinidae	R
Galeocerdo cuvier	Galeocerdonidae	R
Sphyrna lewini	Sphyrnidae	R
~~***Sphyrna mokarran***~~	~~**Sphyrnidae**~~	~~**R**~~
~~***Sphyrna tiburo***~~	~~**Sphyrnidae**~~	~~**R**~~
Sphyrna zygaena	Sphyrnidae	R
Isistius brasiliensis	Dalatiidae	R
Centroscyllium nigrum	Etmopteridae	R
Centrophorus squamosus	Centrophoridae	R

Species	Family	Resident Vagrant Endemic
Echinorhinus cookei	Echinorhinidae	R
Tetronarce tremens	Torpedinidae	R
Pseudobatos planiceps	Rhinobatidae	R
Rajella eisenhardti	Rajidae	R**E**
Rostroraja velezi	Rajidae	R
Bathyraja abyssicola	Arhynchobatidae	R
Bathyraja peruana	Arhynchobatidae	R
Bathyraja richardsoni	Arhynchobatidae	R
Bathyraja spinosissima	Arhynchobatidae	R
Gurgesiella furvescens	Gurgesiellidae	R
Hypanus dipterurus	Dasyatidae	R
Hypanus longus	Dasyatidae	R
Pteroplatytrygon violacea	Dasyatidae	R
Taeniurops meyeni	Dasyatidae	R
Styracura pacifica	Potamotrygonidae	R
Aetobatus ***ocellatus***	Aetobatidae	R
Aetomylaeus asperrimus	Myliobatidae	**V**
Myliobatis ***peruviana***	Myliobatidae	R
Rhinoptera steindachneri	Rhinopteridae	R
Mobula birostris	Mobulidae	R
Mobula mobular	Mobulidae	R
Mobula munkiana	Mobulidae	R
Mobula tarapacana	Mobulidae	R
Mobula thurstoni	Mobulidae	**R**
~~***Chimaera***~~ **sp.**	~~**Chimaeridae**~~	~~**R**~~
Hydrolagus alphus	Chimaeridae	**RE**
Hydrolagus melanophasma	**Chimaeridae**	**R**
Hydrolagus mccoskeri	Chimaeridae	**RE**
Hydrolagus **n. sp**.	Chimaeridae	**RE**
Elops affinis	Elopidae	V
Albula esuncula	Albulidae	V
Halosaurus attenuatus	Halosauridae	R
Notacanthus spinosus	**Notacanthidae**	**R**
Ilyophis arx	**Synaphobranchidae**	**R**
Ilyophis brunneus	**Synaphobranchidae**	**R**
Myroconger nigrodentatus	Myrocongridae	R
Anarchias galapagensis	Muraenidae	R
Echidna nebulosa	Muraenidae	R
Echidna nocturna	Muraenidae	R
Enchelycore lichenosa	Muraenidae	R
Enchelycore octaviana	Muraenidae	R
Gymnomuraena zebra	Muraenidae	R
Gymnothorax angusticeps	Muraenidae	R
Gymnothorax buroensis	Muraenidae	**V**
Gymnothorax castaneus	Muraenidae	R

TABLE 9 cont. (p. 2)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Gymnothorax dovii	Muraenidae	R
Gymnothorax flavimarginatus	Muraenidae	V
Gymnothorax javanicus	Muraenidae	V
Gymnothorax meleagris	Muraenidae	V
Gymnothorax panamensis	Muraenidae	R
Gymnothorax pictus	Muraenidae	V
Gymnothorax porphyreus	**Muraenidae**	**V**
Gymnothorax undulatus	Muraenidae	V
Muraena argus	Muraenidae	R
Muraena clepsydra	Muraenidae	R
Muraena lentiginosa	Muraenidae	R
Scuticaria tigrina	Muraenidae	V
Uropterygius macrocephalus	Muraenidae	R
Uropterygius polystictus	Muraenidae	R
Uropterygius versutus	Muraenidae	R
Chlopsis bicollaris	Chlopsidae	R
Apterichtus equatorialis	Ophichthidae	R
Bascanichthys bascanoides	**Ophichthidae**	**R**
Callechelys galapagensis	Ophichthidae	RE
Herpetoichthys fossatus	Ophichthidae	R
Ichthyapus selachops	Ophichthidae	R
Myrichthys xysturus	Ophichthidae	R
Ophichthus arneutes	Ophichthidae	RE
Ophichthus rugifer	Ophichthidae	R
Paraletharchus opercularis	Ophichthidae	R
Phaenomonas pinnata	Ophichthidae	**R**
Quassiremus evionthas	Ophichthidae	R
Scytalichthys miurus	Ophichthidae	V
Facciolella equatorialis	Nettastomatidae	R
Ariosoma gilberti	Congridae	V
~~***Bathycongrus* n. sp.**~~	~~**Congridae**~~	~~**R**~~
Bathycongrus varidens	Congridae	R
~~***Chiloconger dentatus***~~	~~**Congridae**~~	~~**V**~~
~~***Gnathophis cinctus***~~	~~**Congridae**~~	~~**V**~~
Heteroconger klausewitzi	Congridae	R
~~***Japonoconger* n. sp.**~~	~~**Congridae**~~	~~**R**~~
Japonoconger proriger	Congridae	R
Paraconger californiensis	Congridae	R
Paraconger similis	Congridae	R
Xenomystax atrarius	Congridae	R
Nemichthys scolopaceus	**Nemichthyidae**	**R**
Serrivomer sector	**Serrivomeridae**	**R**
Anguilla marmorata	Anguillidae	R
Anchoa argentivittata	Engraulidae	R
Anchoa ischana	Engraulidae	R
Cetengraulis mysticetus	Engraulidae	V
Engraulis ringens	Engraulidae	R
Harengula thrissina	Clupeidae	R
Lile stolifera	Clupeidae	R
Opisthonema berlangai	Clupeidae	RE
Opisthonema libertate	Clupeidae	R
Etrumeus acuminatus	Dussumieriidae	R
Sardinops sagax	Alosidae	R
Bathytroctes ***macrolepis***	Alepocephalidae	R
Einara macrolepis	Alepocephalidae	R
Narcetes erimelas	Alepocephalidae	R
Photostylus pycnopterus	Alepocephalidae	R
Holtbyrnia latifrons	Platytroctidae	R
Maulisia isaacsi	Platytroctidae	R
Platytroctes apus	Platytroctidae	R
Chanos chanos	Chanidae	R
Argentina aliceae	Argentinidae	R
Bathylagoides nigrigenys	Bathylagidae	R
Leuroglossus stilbius	**Bathylagidae**	**R**
Dolichopteryx pseudolongipes	**Opisthoproctidae**	**R**
Cyclothone acclinidens	Gonostomatidae	R
Cyclothone alba	**Gonostomatidae**	**R**
Cyclothone atraria	Gonostomatidae	R
Cyclothone obscura	Gonostomatidae	R
Cyclothone pallida	Gonostomatidae	R
Cyclothone signata	Gonostomatidae	R
Diplophos proximus	**Gonostomatidae**	**R**
Argyropelecus aculeatus	Sternoptychidae	R
Argyropelecus affinis	Sternoptychidae	R
Argyropelecus lychnus	Sternoptychidae	R
Argyropelecus olfersii	Sternoptychidae	R
Argyropelecus sladeni	Sternoptychidae	R
Maurolicus ***australis***	Sternoptychidae	R
Sternoptyx diaphana	Sternoptychidae	R
Sternoptyx obscura	Sternoptychidae	R
Sternoptyx pseudobscura	**Sternoptychidae**	**R**
Valencienellus tripunctulatus	**Sternoptychidae**	**R**
Ichthyococcus irregularis	Phosichthyidae	R
Vinciguerria lucetia	Phosichthyidae	R
Vinciguerria poweriae	Phosichthyidae	R
Yarella argentiola	**Phosichthyidae**	**R**
Astronesthes cyanea	**Stomiidae**	**R**
Astronesthes ***galapagensis***	Stomiidae	R
~~***Astronesthes martensii***~~	~~**Stomiidae**~~	~~**R**~~
Astronesthes gibbsi	**Stomiidae**	**R**
Astronesthes indica	**Stomiidae**	**R**
Astronesthes lampara	**Stomiidae**	**R**
Bathophilus filifer	Stomiidae	R
Borostomias elucens	**Stomiidae**	**R**
Borostomias panamensis	**Stomiidae**	**R**
Chauliodus barbatus	**Stomiidae**	**R**
Chauliodus sloani	**Stomiidae**	**R**
Idiacanthus antrostomus	**Stomiidae**	**R**
Malacosteus niger	Stomiidae	R
Stomias atriventer	Stomiidae	R

TABLE 9 cont. (p. 3)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
~~***Stomias boa***~~	~~**Stomiidae**~~	~~**R**~~
Stomias colubrinus	Stomiidae	R
Guentherus altivela	Ateleopodidae	R
Aulopus ***chirichignoae***	Aulopidae	R
Chlorophthalmus mento	Chlorophthalmidae	R
Bathypterois atricolor	Ipnopidae	R
Bathypterois pectinatus	Ipnopidae	R
Ipnops agassizii	Ipnopidae	R
Rosenblattichthys volucris	**Scopelarchidae**	**R**
Scopelarchoides nicholsi	Scopelarchidae	R
Scopelarchus guentheri	Scopelarchidae	R
Scopelosaurus hubbsi	Notosudidae	R
Synodus lacertinus	Synodontidae	R
Synodus scituliceps	Synodontidae	R
Synodus sechurae	Synodontidae	R
Lestidiops ***pacificus***	Paralepididae	R
Evermannella ahlstromi	Evermannellidae	R
Scopelengys ***tristis***	Neoscopelidae	R
Bolinichthys longipes	Myctophidae	R
Centrobranchus nigroocellatus	**Myctophidae**	**R**
Diaphus pacificus	Myctophidae	R
Diaphus ***rafenesqii***	Myctophidae	R
Diaphus termophilus	Myctophidae	R
Diaphus theta	Myctophidae	R
Diogenichthys laternatus	Myctophidae	R
Gonichthys tenuiculus	Myctophidae	R
Gonichthys venetus	Myctophidae	R
Hygophum reinhardti	Myctophidae	R
Lampadena luminosa	**Myctophidae**	**R**
Lampanyctus hubbsi	Myctophidae	R
Lampanyctus idostigma	Myctophidae	R
Lampanyctus macropterus	Myctophidae	R
Lampanyctus omostigma	Myctophidae	R
Lampanyctus parvicauda	Myctophidae	R
Lampanyctus ritteri	Myctophidae	R
Lampanyctus tenuiformis	Myctophidae	R
Loweina rara	**Myctophidae**	**R**
Myctophum affine	**Myctophidae**	**R**
Myctophum aurolaternatum	Myctophidae	R
Myctophum brachygnathum	**Myctophidae**	**R**
Myctophum nitidulum	Myctophidae	R
Notolychnus valdiviae	Myctophidae	R
Notoscopelus elongatus	**Myctophidae**	**R**
Notoscopelus *resplendens*	Myctophidae	R
Symbolophorus evermanni	Myctophidae	R
Symbolophorus reversus	Myctophidae	R
Triphoturus mexicanus	Myctophidae	R
Triphoturus oculeum	Myctophidae	R
Desmodema polystictum	**Trachipteridae**	**R**
Zu cristatus	Trachipteridae	R
Regalecus russellii	**Regalacidae**	**R**
Stylephorus chordatus	Stylephoridae	R
Bregmaceros bathymaster	Bregmacerotidae	**V**
~~***Bregmaceros macclellandi***~~	~~**Bregmacerotidae**~~	~~**R**~~
~~***Merluccius gayi***~~	~~**Merlucciidae**~~	~~**R**~~
Trachyrincus helolepis	Trachyrincidae	R
Antimora rostrata	Moridae	R
Gadella filifer	Moridae	R
Gadella thysthlon	Moridae	R
Laemonema gracillipes	Moridae	R
Physiculus nematopus	Moridae	R
Coelorinchus canus	Macrouridae	R
Coryphaenoides anguliceps	Macrouridae	R
Coryphaenoides armatus	Macrouridae	R
Coryphaenoides boops	Macrouridae	R
Coryphaenoides bucephalus	Macrouridae	R
Coryphaenoides bulbiceps	Macrouridae	R
Coryphaenoides delsolari	Macrouridae	R
Coryphaenoides gypsochilus	Macrouridae	R
Coryphaenoides myersi	Macrouridae	R
Mataeocephalus tenuicauda	Macrouridae	R
Nezumia convergens	Macrouridae	R
Nezumia loricata	Macrouridae	R
Nezumia stelgidolepis	Macrouridae	R
Nezumia ventralis	Macrouridae	R
Melamphaeus laeviceps	**Melamphaidae**	**R**
Melamphaeus spinifer	**Melamphaidae**	**R**
Poromitra crassiceps	**Melamphaidae**	R
Poromitra frontosa	**Melamphaidae**	**R**
Poromitra jucunda	**Melamphaidae**	**R**
Poromitra nigrofulva	**Melamphaidae**	R
Poromitra oscitans	**Melamphaidae**	**R**
Scopeloberyx opisthopterus	**Melamphaidae**	R
Scopeloberyx robustus	**Melamphaidae**	**R**
Scopelogadus ***bispinosus***	Melamphaidae	R
Rondeletia loricata	**Rondeletiidae**	**R**
Cetomimus gillii	**Cetomimidae**	**R**
Hoplostethus pacificus	Trachichthyidae	R
Anoplogaster cornuta	**Anoplogastridae**	**R**
Myripristis berndti	Holocentridae	R
Myripristis leiognathus	Holocentridae	R
Neoniphon suborbitalis	Holocentridae	R
Bathyonus caudalis	**Ophidiidae**	**R**
Brotula ordwayi	Ophidiidae	R
~~***Cataetyx*** **sp. v**~~ ~~*simus*~~	~~**Ophidiidae**~~	~~**R**~~
Dicrolene nigra	Ophidiidae	R
Eretmichthys pinnatus	Ophidiidae	R
Lamprogrammus niger	**Ophidiidae**	**R**
Lepophidium pardale	Ophidiidae	R
Monomitopus malispinosus	Ophidiidae	R
Monomitopus torvus	**Ophidiidae**	**R**
Ophidion ***galapagensis***	Ophidiidae	R
Otophidium indefatigabile	Ophidiidae	R
Carapus mourlani	**Ophidiidae**	R

TABLE 9 cont. (p. 4)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Echiodon exsilium	**Ophiidae**	R
Encheliophis vermicularis	**Ophiidae**	R
***Bellottia* sp.**	**Bythitidae**	**R**
Calamopteryx jeb	Bythitidae	RE
Cataetyx rubirostris	**Bythitidae**	**R**
Cataetyx simus	**Bythitidae**	**R**
Diplacanthopoma jordani	Bythitidae	R
Grammonus diagrammus	Bythitidae	R
Lucifuga inopinata	Bythitidae	R
Petrotyx hopkinsi	Bythitidae	R
Pseudonus acutus	Bythitidae	R
Ogilbia deroyi	Dinematichthyidae	RE
Ogilbia galapagosensis	Dinematichthyidae	RE
~~***Porichthys margaritatus***~~	~~**Batrachoididae**~~	~~**R**~~
Seriolella violacea	Centrolophidae	R
Cubiceps pauciradiatus	Nomeidae	R
Nomeus gronovii	Nomeidae	R
Psenes arafurensis	Nomeidae	R
Psenes cyanophrys	Nomeidae	R
Psenes pellucidus	Nomeidae	R
Psenes sio	Nomeidae	R
Tetragonurus atlanticus	**Tetragonuridae**	**R**
Peprilus medius	Stromateidae	R
Chiasmodon niger	Chiasmodontidae	R
Chiasmodon subniger	Chiasmodontidae	R
Acanthocybium solandri	Scombridae	R
Auxis rochei	Scombridae	R
Auxis thazard	Scombridae	R
Euthynnus lineatus	Scombridae	R
Katsuwonus pelamis	Scombridae	R
Sarda orientalis	Scombridae	R
Scomber japonicus	Scombridae	R
Scomberomorus sierra	Scombridae	R
~~***Thunnus alalunga***~~	~~**Scombridae**~~	~~**R**~~
Thunnus albacares	Scombridae	R
Thunnus obesus	Scombridae	R
***Paracaristius* sp.**	**Caristiidae**	**R**
Brama dussumieri	Bramidae	R
Taractes rubescens	Bramidae	R
Gempylus serpens	Gempylidae	R
Lepidocybium flavobrunneum	Gempylidae	R
Nealotus tripes	Gempylidae	R
Ruvettus pretiosus	Gempylidae	R
Aphanopus ***capricornis***	Trichiuridae	R
Benthodesmus tenuis	Trichiuridae	R
Lepidopus manis	Trichiuridae	R
Trichiurus ***nitens***	Trichiuridae	R
Mulloidichthys dentatus	Mullidae	R
Pseudupeneus grandisquamis	Mullidae	R
Synchiropus atrilabiatus	Callionymidae	R
Aulostomus chinensis	Aulostomidae	R
Fistularia commersonii	Fistulariidae	R
Fistularia corneta	Fistulariidae	**V**
Bryx veleronis	Syngnathidae	R
Cosmocampus ***coccineus***	Syngnathidae	R
Doryrhamphus ***melanopleura***	Syngnathidae	R
Hippocampus ingens	Syngnathidae	R
Apogon atradorsatus	Apogonidae	R
Apogon dovii	Apogonidae	R
Apogon pacificus	Apogonidae	R
Dormitator latifrons	Eleotridae	V
Eleotris picta	Eleotridae	V
Gobiomorus maculatus	Eleotridae	V
Bathygobius lineatus	Gobiidae	R
~~***Bollmannia macropoma***~~	~~**Gobiidae**~~	~~**R**~~
Chriolepis tagus	Gobiidae	RE
Clarkichthys bilineatus	Gobiidae	R
Coryphopterus urospilus	Gobiidae	R
Eleotrica cableae	Gobiidae	RE
Evorthodus minutus	**Gobiidae**	**V**
Lythrypnus gilberti	Gobiidae	RE
Lythrypnus rhizophora	Gobiidae	R
Microdesmus dipus	Gobiidae	**V**
Tigrigobius nesiotes	Gobiidae	R
Schindleria praematura	**Gobiidae**	R
Tigrigobius nesiotes	Gobiidae	R
Centropomus viridis	Centropomidae	R
Sphyraena barracuda	Sphyraenidae	V
Sphyraena idiastes	Sphyraenidae	R
Sphyraena ***stellata***	Sphyraenidae	**R**
Polydactylus approximans	**Polynemidae**	**V**
Citharichthys darwini	Cyclopsettidae	RE
Citharichthys gnathus	Cyclopsettidae	R
Syacium latifrons	Cyclopsettidae	V
Syacium maculiferum	Cyclopsettidae	V
Bothus leopardinus	Bothidae	R
Bothus mancus	Bothidae	R
Monolene maculipinna	Bothidae	**V**

TABLE 9 cont. (p. 5)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Hippoglossina bollmani	Paralichthyidae	R
Paralichthys woolmani	Paralichthyidae	R
Trinectes fonsecensis	Achiridae	V
Aseraggodes herrei	Soleidae	R
Symphurus atramentatus	Cynoglossidae	R
Symphurus diabolicus	Cynoglossidae	R
Symphurus varius	Cynoglossidae	R
~~***Nematistius pectoralis***~~	~~**Nematistiidae**~~	~~**V**~~
Xiphias gladius	Xiphiidae	R
Istiompax indica	Istiophoridae	R
Istiophorus platypterus	Istiophoridae	R
Kajikia audax	Istiophoridae	R
Makaira nigricans	Istiophoridae	R
Tetrapturus angustirostris	Istiophoridae	R
Alectis ciliaris	Carangidae	R
Caranx caballus	Carangidae	R
Caranx caninus	Carangidae	R
Caranx ignobilis	Carangidae	V
Caranx lugubris	Carangidae	R
Caranx melampygus	Carangidae	R
Caranx sexfasciatus	Carangidae	R
Decapterus macarellus	**Carangidae**	**R**
Decapterus macrosoma	Carangidae	R
Decapterus muroadsi	Carangidae	R
Elagatis bipinnulata	Carangidae	R
Euprepocaranx dorsalis	Carangidae	**V**
Ferdauia orthogrammus	Carangidae	**V**
Gnathanodon speciosus	Carangidae	V
Naucrates ductor	Carangidae	R
Oligoplites ***inornatus***	Carangidae	R
Selar crumenophthalmus	Carangidae	R
Selene peruviana	Carangidae	R
Seriola lalandi	Carangidae	R
Seriola peruana	Carangidae	R
Seriola rivoliana	Carangidae	R
Trachinotus kennedyi	Carangidae	V
Trachinotus paitensis	Carangidae	R
Trachinotus rhodopus	Carangidae	R
Trachinotus stilbe	Carangidae	R
Trachurus murphyi	Carangidae	R
Uraspis helvola	Carangidae	R
Echeneis naucrates	Echeneidae	R
Phtheirichthys lineatus	Echeneidae	R
Remora albescens	Echeneidae	R
~~***Remora australis***~~	~~**Echeneidae**~~	~~**R**~~
Remora brachyptera	Echeneidae	R
Remora osteochir	Echeneidae	R
Remora remora	Echeneidae	R
Coryphaena equiselis	Coryphaenidae	R
Coryphaena hippurus	Coryphaenidae	R
Opistognathus galapagensis	Opistognathidae	R
Abudefduf concolor	Pomacentridae	R
Abudefduf troschelii	Pomacentridae	R
Azurina atrilobata	Pomacentridae	R
Azurina eupalama	Pomacentridae	RE
Azurina intercrusma	Pomacentridae	V
Chromis alta	Pomacentridae	R
Microspathodon bairdii	Pomacentridae	R
Microspathodon dorsalis	Pomacentridae	R
Nexilosus latifrons	Pomacentridae	R
Stegastes acapulcoensis	Pomacentridae	R
Stegastes arcifrons	Pomacentridae	R
Stegastes beebei	Pomacentridae	R
Stegastes flavilatus	Pomacentridae	R
Atherinella nesiotes	Atherinopsidae	R
Melanorhinus cyanellus	Atherinopsidae	R
Cololabis adocetus	Scomberesocidae	R
Ablennes hians	Belonidae	R
Platybelone argalus ***pterura***	Belonidae	R
Strongylura exilis	Belonidae	R
Tylosurus fodiator	Belonidae	**V**
Tylosurus pacificus	Belonidae	**V**
Euleptorhamphus viridis	Hemiramphidae	R
Hemiramphus saltator	Hemiramphidae	R
Hyporhamphus gilli	Hemiramphidae	V
Hyporhamphus naos	Hemiramphidae	R
Oxyporhamphus micropterus	Hemiramphidae	R
Cheilopogon atrisignis	Exocoetidae	R
Cheilopogon dorsomacula	Exocoetidae	R
Cheilopogon spilonotopterus	Exocoetidae	R
Cheilopogon xenopterus	Exocoetidae	R

TABLE 9 cont. (p. 6)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
~~***Cypselurus angusticeps***~~	~~**Exocoetidae**~~	~~**V**~~
Cypselurus callopterus	Exocoetidae	R
Exocoetus monocirrhus	Exocoetidae	R
Exocoetus volitans	Exocoetidae	R
Fodiator rostratus	Exocoetidae	R
Hirundichthys marginatus	Exocoetidae	R
~~***Hirundichthys rondeletii***~~	~~**Exocoetidae**~~	~~**R**~~
Hirundichthys speculiger	Exocoetidae	R
~~***Parexocoetus brachypterus***~~	~~**Exocoetidae**~~	~~**V**~~
~~***Prognichthys sealei***~~	~~**Exocoetidae**~~	~~**R**~~
~~***Prognichthys tringa***~~	~~**Exocoetidae**~~	~~**R**~~
Chaenomugil proboscideus	Mugilidae	R
Dajaus monticola	Mugilidae	R
Mugil galapagensis	Mugilidae	RE
Mugil thoburni	Mugilidae	RE
Arcos poecilophthalmos	Gobiesocidae	R
Tomicodon chilensis	Gobiesocidae	R
Tomicodon petersii	Gobiesocidae	R
Lepidonectes corallicola	Tripterygiidae	RE
Cottoclinus canops	Labrisomidae	RE
Dialommus fuscus	Labrisomidae	R
Gobioclinus dendriticus	Labrisomidae	R
Labrisomus jenkinsi	Labrisomidae	RE
Labrisomus multiporosus	Labrisomidae	R
Malacoctenus tetranemus	Labrisomidae	R
Malacoctenus zonogaster	Labrisomidae	RE
Starksia galapagensis	Labrisomidae	RE
Acanthemblemaria castroi	Chaenopsidae	RE
Chaenopsis schmitti	Chaenopsidae	RE
~~***Ekemblemaria* sp.~~**	~~**Chaenopsidae**~~	~~**RE**~~
Dactyloscopus lacteus	Dactyloscopidae	R**E**
Gillellus semicinctus	Dactyloscopidae	R
Myxodagnus sagitta	Dactyloscopidae	RE
Platygillellus rubellulus	Dactyloscopidae	RE
Entomacrodus chiostictus	Blenniidae	R
Hypsoblennius brevipinnis	Blenniidae	R
Ophioblennius steindachneri	Blenniidae	R
Plagiotremus azaleus	Blenniidae	R
Scartichthys gigas	**Blenniidae**	**V**
Hemilutjanus macrophthalmos	**Malakichthyidae**	R
~~***Cookeolus japonicus***~~	~~**Priacanthidae**~~	~~**V**~~

Species	Family	Resident Vagrant Endemic
Heteropriacanthus carolinus	Priacanthidae	R
Pristigenys serrula	Priacanthidae	R
Malacanthus brevirostris	Malacanthidae	R
Caulolatilus affinis	Latilidae	R
Caulolatilus princeps	Latilidae	R
Hoplopagrus guentherii	Lutjanidae	R
Lutjanus aratus	Lutjanidae	R
Lutjanus argentiventris	Lutjanidae	R
Lutjanus colorado	**Lutjanidae**	**V**
Lutjanus guttatus	Lutjanidae	R
Lutjanus inermis	Lutjanidae	R
Lutjanus jordani	Lutjanidae	R
Lutjanus novemfasciatus	Lutjanidae	R
Lutjanus viridis	Lutjanidae	R
Pristipomoides zonatus	Lutjanidae	V
Diapterus brevirostris	Gerreidae	R
Eucinostomus currani	Gerreidae	R
Eucinostomus dowii	Gerreidae	R
Eucinostomus gracilis	Gerreidae	R
Eugerres lineatus	Gerreidae	R
Gerres simillimus	Gerreidae	R
Anisotremus espinozai	Haemulidae	R
Anisotremus* *scapularis	Haemulidae	R
Brachygenys jessiae	Haemulidae	RE
Haemulon maculicauda	Haemulidae	R
Haemulon scudderii	Haemulidae	R
Haemulon sexfasciatum	Haemulidae	R
Microlepidotus lethopristis	Haemulidae	RE
Orthopristis ***cantherina***	Haemulidae	R
Orthopristis ***chalcea***	Haemulidae	R
Orthopristis forbesi	Haemulidae	RE
Rhencus macracanthus	Haemulidae	V
Xenichthys agassizii	Haemulidae	RE
Xenichthys xanti	Haemulidae	**V**
Archosargus pourtalesii	Sparidae	RE
Calamus brachysomus	Sparidae	R
Calamus taurinus	Sparidae	**RE**
~~***Cilus gilberti***~~	~~**Sciaenidae**~~	~~**R**~~
Corvula macrops	Sciaenidae	R
~~***Cynoscion phoxocephalus***~~	~~**Sciaenidae**~~	~~**R**~~
Larimus pacificus	Sciaenidae	**V**

TABLE 9 cont. (p. 7)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Odontoscion eurymesops	Sciaenidae	R
Pareques perissa	Sciaenidae	RE
Umbrina galapagorum	Sciaenidae	**RE**
Alphestes immaculatus	Serranidae	R
***Cephalopholis** colonus*	Serranidae	R
Cephalopholis panamensis	Serranidae	R
Cratinus agassizii	Serranidae	R
Dermatolepis dermatolepis	Serranidae	R
Diplectrum eumelum	Serranidae	V
~~***Diplectrum macropoma***~~	~~**Serranidae**~~	~~**V**~~
Diplectrum rostrum	**Serranidae**	**R**
Epinephelus analogus	Serranidae	**V**
Epinephelus labriformis	Serranidae	R
Hyporthodus cifuentesi	Serranidae	R
Hyporthodus mystacinus	Serranidae	R
Hyporthodus niphobles	Serranidae	R
Liopropoma fasciatum	Serranidae	R
Liopropoma longilepis	Serranidae	R
Mycteroperca olfax	Serranidae	R
~~***Mycteroperca xenarcha***~~	~~**Serranidae**~~	~~**V**~~
Paralabrax albomaculatus	Serranidae	RE
~~***Paralabrax humeralis***~~	~~**Serranidae**~~	~~**R**~~
Pseudogramma thaumasia	Serranidae	R
Rypticus bicolor	Serranidae	R
Rypticus nigripinnis	Serranidae	R
Serranus aequidens	Serranidae	R
Serranus psittacinus	Serranidae	R
Serranus stilbostigma	Serranidae	RE
Anthias noeli	**Anthiadidae**	R
Hemanthias peruanus	**Anthiadidae**	V
Pronotogrammus multifasciatus	**Anthiadidae**	R
***Bodianus** darwini*	Labridae	R
Bodianus diplotaenia	Labridae	R
Bodianus eclancheri	Labridae	R
Calotomus carolinus	Labridae-Scarinae	**V**
Decodon melasma	Labridae	R
Halichoeres adustus	Labridae	V
Halichoeres chierchiae	Labridae	R
Halichoeres dispilus	Labridae	R
Halichoeres melanotis	Labridae	V
Halichoeres nicholsi	Labridae	R
Halichoeres notospilus	Labridae	R
Iniistius pavo	Labridae	R
Nicholsina denticulata	Labridae-Scarinae	R
Novaculichthys taeniourus	Labridae	R
Sagittalarva inornata	Labridae	R
Scarus compressus	Labridae-Scarinae	R
Scarus ghobban	Labridae-Scarinae	R
Scarus perrico	Labridae-Scarinae	R
Scarus rubroviolaceus	Labridae-Scarinae	R
Stethojulis bandanensis	Labridae	R
Thalassoma grammaticum	Labridae	R
Thalassoma lucasanum	Labridae	R
Thalassoma purpureum	Labridae	R
Xyrichtys victori	Labridae	R
Lycodapus australis	Zoarcidae	R
Melanostigma bathium	Zoarcidae	R
Thermarces cerberus	Zoarcidae	R
Ammodytoides gilli	Ammodytidae	R
Kathetostoma averruncus	Uranoscopidae	V
Bellator farrago	Triglidae	R
~~***Peristedion barbiger***~~	~~**Triglidae**~~	~~**V**~~
Peristedion crustosum	Triglidae	R
Prionotus miles	Triglidae	RE
Prionotus stephanophrys	Triglidae	R
Ectreposebastes imus	Scorpaenidae	R
Idiastion hageyi	Scorpaenidae	**RE**
Phenacoscorpius mccoskeri	Scorpaenidae	**RE**
Pontinus clemensi	Scorpaenidae	R
*Pontinus **furcirhinus***	Scorpaenidae	R
*Pontinus **sierra***	Scorpaenidae	R
~~***Pontinus* sp. C~~	~~**Scorpaenidae**~~	~~**R**~~
~~***Pontinus strigatus***~~	~~**Scorpaenidae**~~	~~**R**~~
~~***Pontinus vaughani***~~	~~**Scorpaenidae**~~	~~**R**~~
Scorpaena cocosensis	Scorpaenidae	R
Scorpaena histrio	Scorpaenidae	R
Scorpaena mystes	Scorpaenidae	R
Scorpaena wellingtoni	Scorpaenidae	RE
Scorpaenodes rubrivinctus	Scorpaenidae	R
Scorpaenodes xyris	Scorpaenidae	R
Sebastolobus altivelis	**Scorpaenidae**	**R**
Taenianotus triacanthus	Scorpaenidae	V

TABLE 9 cont. (p. 8)

Fishes of the Galapagos Archipelago

Species	Family	Resident Vagrant Endemic
Trachyscorpia osheri	**Scorpaenidae**	R
Paraliparis darwini	Liparidae	**RE**
*Paraliparis **galapagosensis***	Liparidae	**RE**
Kuhlia mugil	Kuhliidae	R
Oplegnathus insignis	Oplegnathidae	R
Kyphosus cinerascens	**Kyphosidae**	**V**
Kyphosus elegans	Kyphosidae	R
Kyphosus ocyurus	Kyphosidae	R
Kyphosus sectatrix	**Kyphosidae**	**R**
Kyphosus vaigiensis	Kyphosidae	R
Girella freminvillii	Girellidae	RE
Cirrhitichthys oxycephalus	Cirrhitidae	R
Cirrhitus rivulatus	Cirrhitidae	R
Oxycirrhites typus	Cirrhitidae	R
*Epigonus **macrops***	Epigonidae	R
Howella pammelas	Howellidae	R
Lobotes pacifica	**Lobotidae**	**V**
Holacanthus passer	Pomacanthidae	R
Pomacanthus zonipectus	Pomacanthidae	V
Chaetodon auriga	Chaetodontidae	V
Chaetodon humeralis	Chaetodontidae	R
Chaetodon kleinii	Chaetodontidae	V
Chaetodon lunula	Chaetodontidae	V
Chaetodon meyeri	Chaetodontidae	V
Chaetodon unimaculatus	Chaetodontidae	V
Forcipiger flavissimus	Chaetodontidae	R
Johnrandallia nigrirostris	Chaetodontidae	R
Prognathodes carlhubbsi	Chaetodontidae	R
Luvarus imperialis	Luvaridae	R
Zanclus cornutus	Zanclidae	R
Acanthurus mata	Acanthuridae	V
Acanthurus nigricans	Acanthuridae	R
Acanthurus triostegus	Acanthuridae	**V**
Acanthurus xanthopterus	Acanthuridae	R
Naso annulatus	Acanthuridae	V
Naso brevirostris	Acanthuridae	V
Naso hexacanthus	**Acanthuridae**	**V**
Naso vlamingii	Acanthuridae	V
Prionurus laticlavius	Acanthuridae	R
Lophiodes spilurus	Lophiidae	R
Dibranchus cracens	Ogcocephalidae	RE
Dibranchus discors	Ogcocephalidae	RE
Dibranchus erinaceus	Ogcocephalidae	R
Dibranchus hystrix	Ogcocephalidae	R
Halieutopsis tumifrons	Ogcocephalidae	R
Ogcocephalus darwini	Ogcocephalidae	RE
~~***Abantennarius coccineus***~~	~~**Antennariidae**~~	~~**R**~~
Abantennarius sanguineus	Antennariidae	R
Antennarius commerson	Antennariidae	V
Antennatus strigatus	Antennariidae	R
Fowlerichthys avalonis	Antennariidae	R
Chaunacops coloratus	**Chaunacidae**	**R**
Melanocetus murrayi	Melanocetidae	R
Chaenophryne draco	Oneirodidae	R
Dolopichthys allector	**Oneirodidae**	**R**
Microlophichthys microlophus	Oneirodidae	R
Pentherichthys atratus	**Oneirodidae**	**R**
*Cryptopsaras **coueseii***	Ceratiidae	R
Gigantactis vanhoeffeni	**Gigantactinidae**	**R**
Borophryne apogon	**Linophrynidae**	**R**
Masturus lanceolatus	Molidae	R
Mola alexandrini	Molidae	**R**
~~***Mola mola***~~	~~**Molidae**~~	~~**R**~~
~~***Ranzania laevis***~~	~~**Molidae**~~	~~**R**~~
Chilomycterus reticulatus	Diodontidae	R
Cyclichthys spilostylus	Diodontidae	V
Diodon eydouxii	Diodontidae	R
Diodon holocanthus	Diodontidae	R
Diodon hystrix	Diodontidae	R
Arothron hispidus	Tetraodontidae	R
Arothron meleagris	Tetraodontidae	R
Arothron nigropunctatus	Tetraodontidae	V
Canthigaster amboinensis	Tetraodontidae	V
Canthigaster janthinoptera	Tetraodontidae	V
Canthigaster punctatissima	Tetraodontidae	R
Canthigaster valentini	Tetraodontidae	V
Lagocephalus lagocephalus	Tetraodontidae	R
Sphoeroides angusticeps	Tetraodontidae	R
Sphoeroides annulatus	Tetraodontidae	R
Sphoeroides lobatus	Tetraodontidae	R
Lactoria diaphana	**Ostraciidae**	**V**
Ostracion meleagris	Ostraciidae	R
Aluterus monoceros	**Monacanthidae**	**V**
Aluterus scriptus	Monacanthidae	R
Cantherhines dumerilii	Monacanthidae	V
Balistes polylepis	Balistidae	R
Canthidermis maculata	Balistidae	R
Melichthys niger	Balistidae	R
Melichthys vidua	Balistidae	V
Pseudobalistes naufragium	Balistidae	R
Sufflamen verres	Balistidae	R
Xanthichthys caeruleolineatus	Balistidae	V
Xanthichthys mento	Balistidae	**V**