

2.1 Collection of trawl fisheries data-Sampling result

| SUMMARY | | | |
|----------------------------------------|-------------------|-------------------|--|
| Type | COUNTA of Species | COUNTA of Species | |
| Fish | 2349 | 79.9% | |
| Shellfish - Crustaceans | 329 | 11.2% | |
| Shellfish - Mollusks | 262 | 8.9% | |
| Grand Total | 2940 | 100.0% | |
| | | | |
| IUCN | COUNTA of Species | COUNTA of Species | |
| DD - Data Deficient / Không đủ dữ liệu | 226 | 7.8% | |
| EN - Endangered / Bị đe dọa | 4 | 0.1% | |
| LC - Least Concern / Ít quan tâm | 1493 | 51.5% | |
| NE - Not Evaluated / Không đánh giá | 1159 | 40.0% | |
| NT - Near Threatened / Sắp bị đe dọa | 2 | 0.1% | |
| VU - Vulnerable / Dễ tổn thương | 16 | 0.6% | |
| Grand Total | 2900 | 100.0% | |

Species encountered

| Species | Type | COUNTA of Species |
|---------------------------------------------------------|------|-------------------|
| <i>Trachinocephalus myops</i> | Fish | 2.98% |
| <i>Upeneus japonicus</i> | Fish | 2.87% |
| <i>Saurida undosquamis</i> | Fish | 2.75% |
| <i>Paramonacanthus japonicus</i> | Fish | 2.41% |
| <i>Priacanthus macracanthus</i> | Fish | 2.22% |
| <i>Synodus hoshinonis</i> | Fish | 1.99% |
| <i>Champsodon capensis</i> | Fish | 1.53% |
| <i>Crossorhombus kobensis</i> | Fish | 1.45% |
| <i>Pristotis jerdoni (Pristotis obtusirostris)</i> | Fish | 1.41% |
| <i>Saurida tumbil</i> | Fish | 1.41% |
| <i>Decapterus maruadsi</i> | Fish | 1.38% |
| <i>Callionymus japonicus</i> | Fish | 1.22% |
| <i>Nemipterus furcosus</i> | Fish | 1.22% |
| <i>Nemipterus marginatus</i> | Fish | 1.19% |
| <i>Apogonichthyooides niger (Apogon niger)</i> | Fish | 1.03% |
| <i>Samaris cristatus</i> | Fish | 1.03% |
| <i>Xiphasia setifer</i> | Fish | 1.03% |
| <i>Crossorhombus kanekonis</i> | Fish | 0.99% |
| <i>Antennarius striatus</i> | Fish | 0.96% |
| <i>Jaydia carinatus (Apogon carinatus)</i> | Fish | 0.96% |
| <i>Torquigener hypselogeneion</i> | Fish | 0.96% |
| <i>Pterois lunulata</i> | Fish | 0.92% |
| <i>Dactylopus dactylopus</i> | Fish | 0.88% |
| <i>Gnathophis nystromi</i> | Fish | 0.88% |
| <i>Anago anago (Ariosoma anago)</i> | Fish | 0.80% |
| <i>Apistus carinatus</i> | Fish | 0.80% |
| <i>Dactyloptena orientalis</i> | Fish | 0.80% |
| <i>Engyprosopon grandisquama</i> | Fish | 0.80% |
| <i>Emmelichthys struhsakeri</i> | Fish | 0.76% |
| <i>Ostorrhinchus kiensis (Apogon kiensis)</i> | Fish | 0.73% |
| <i>Upeneus subvittatus</i> | Fish | 0.73% |
| <i>Parapercis alboguttata</i> | Fish | 0.65% |
| <i>Atule mate</i> | Fish | 0.61% |
| <i>Canthigaster rivulata</i> | Fish | 0.61% |
| <i>Minous inermis</i> | Fish | 0.61% |
| <i>Nemipterus bathybius</i> | Fish | 0.61% |
| <i>Ostorrhinchus semilineatus (Apogon semilineatus)</i> | Fish | 0.61% |
| <i>Bothus myriaster</i> | Fish | 0.57% |
| <i>Leiognathus lineolatus (Equulites lineolatus)</i> | Fish | 0.57% |
| <i>Ostorrhinchus notatus (Apogon notatus)</i> | Fish | 0.57% |
| <i>Centriscus cristatus</i> | Fish | 0.54% |
| <i>Lophiomus setigerus</i> | Fish | 0.54% |
| <i>Fistularia commersonii</i> | Fish | 0.50% |
| <i>Leiognathus bindus (Photopectoralis bindus)</i> | Fish | 0.50% |

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| <i>Rogadius asper</i> | Fish | 0.50% |
| <i>Synodus variegatus</i> | Fish | 0.50% |
| <i>Upeneus moluccensis</i> | Fish | 0.50% |
| <i>Carangoides armatus</i> | Fish | 0.46% |
| <i>Cynoglossus kopsii</i> | Fish | 0.46% |
| <i>Lagocephalus wheeleri</i> | Fish | 0.46% |
| <i>Leiognathus elongatus (Equulites elongatus)</i> | Fish | 0.46% |
| <i>Okamejei cairae</i> | Fish | 0.46% |
| <i>Ostorhinchus fasciatus (Apogon quadrifasciatus)</i> | Fish | 0.46% |
| <i>Pristigenys niphonia</i> | Fish | 0.46% |
| <i>Saurida elongata</i> | Fish | 0.46% |
| <i>Selaroides leptolepis</i> | Fish | 0.42% |
| <i>Aluterus monoceros</i> | Fish | 0.38% |
| <i>Citharoides macrolepidotus</i> | Fish | 0.38% |
| <i>Decapterus macrosoma</i> | Fish | 0.38% |
| <i>Nemipterus nemurus</i> | Fish | 0.38% |
| <i>Trachicephalus uranoscopus</i> | Fish | 0.38% |
| <i>Xiphocelilus typus</i> | Fish | 0.38% |
| <i>Cynoglossus interruptus</i> | Fish | 0.34% |
| <i>Diodon hystrix</i> | Fish | 0.34% |
| <i>Grammatobothus polyophthalmus</i> | Fish | 0.34% |
| <i>Inegocia japonica</i> | Fish | 0.34% |
| <i>Lagocephalus gloveri</i> | Fish | 0.34% |
| <i>Minous monodactylus</i> | Fish | 0.34% |
| <i>Pterois russelii</i> | Fish | 0.34% |
| <i>Trichiurus lepturus</i> | Fish | 0.34% |
| <i>Ariomma indica</i> | Fish | 0.31% |
| <i>Iniistius verrens</i> | Fish | 0.31% |
| <i>Leiognathus berbis</i> | Fish | 0.31% |
| <i>Pardachirus pavoninus</i> | Fish | 0.31% |
| <i>Rogadius patriciae</i> | Fish | 0.31% |
| <i>Arothron immaculatus</i> | Fish | 0.27% |
| <i>Pegasus laternarius</i> | Fish | 0.27% |
| <i>Plotosus lineatus</i> | Fish | 0.27% |
| <i>Priacanthus tayenus</i> | Fish | 0.27% |
| <i>Uroconger lepturus (Conger lepturus)</i> | Fish | 0.27% |
| <i>Bembrops curvatura</i> | Fish | 0.23% |
| <i>Brachypleura novaezeelandiae</i> | Fish | 0.23% |
| <i>Fistularia petimba</i> | Fish | 0.23% |
| <i>Glaucosoma hebraicum</i> | Fish | 0.23% |
| <i>Iniistius evides</i> | Fish | 0.23% |
| <i>Jaydia striata (Apogon striatus)</i> | Fish | 0.23% |
| <i>Karalla (Leiognathus) daura</i> | Fish | 0.23% |
| <i>Lutjanus lutjanus</i> | Fish | 0.23% |
| <i>Sirembo marmoratum (Lepophidium marmoratum)</i> | Fish | 0.23% |
| <i>Callionymus sagitta</i> | Fish | 0.19% |

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| <i>Encrasicholina punctifer</i> | Fish | 0.19% |
| <i>Gymnocranius elongatus</i> | Fish | 0.19% |
| <i>Ilisha melastoma</i> | Fish | 0.19% |
| <i>Nuchequula gerreoides</i> | Fish | 0.19% |
| <i>Parachaeturichthys polynema</i> | Fish | 0.19% |
| <i>Parapercis filamentosa</i> | Fish | 0.19% |
| <i>Parapercis pulchella</i> | Fish | 0.19% |
| <i>Parapercis sexfasciata</i> | Fish | 0.19% |
| <i>Parastromateus niger</i> | Fish | 0.19% |
| <i>Pegasus volitans</i> | Fish | 0.19% |
| <i>Pennahia pawak</i> | Fish | 0.19% |
| <i>Psenopsis anomala</i> | Fish | 0.19% |
| <i>Pseudorhombus arsius</i> | Fish | 0.19% |
| <i>Sardinella gibbosa</i> | Fish | 0.19% |
| <i>Selar crumenophthalmus</i> | Fish | 0.19% |
| <i>Terapon theraps</i> | Fish | 0.19% |
| <i>Upeneus vitatus</i> | Fish | 0.19% |
| <i>Uranoscopus bicinctus</i> | Fish | 0.19% |
| <i>Zebrias zebra</i> | Fish | 0.19% |
| <i>Acanthocepola indica</i> | Fish | 0.15% |
| <i>Aseraggodes melanostictus</i> | Fish | 0.15% |
| <i>Branchiostegus argentatus</i> | Fish | 0.15% |
| <i>Callionymus curvicornis</i> | Fish | 0.15% |
| <i>Chilomycterus affinis</i> | Fish | 0.15% |
| <i>Cociella crocodilus</i> | Fish | 0.15% |
| <i>Cubiceps whiteleggi</i> | Fish | 0.15% |
| <i>Cynoglossus arel</i> | Fish | 0.15% |
| <i>Cynoglossus bilineatus</i> | Fish | 0.15% |
| <i>Cynoglossus puncticeps</i> | Fish | 0.15% |
| <i>Erosa erosa</i> | Fish | 0.15% |
| <i>Gymnothorax reticularis</i> | Fish | 0.15% |
| <i>Halaelurus buergeri</i> | Fish | 0.15% |
| <i>Lagocephalus sceleratus</i> | Fish | 0.15% |
| <i>Leiognathus (Secutor) ruconius</i> | Fish | 0.15% |
| <i>Nemipterus mesopriion</i> | Fish | 0.15% |
| <i>Ostracion cubicum</i> | Fish | 0.15% |
| <i>Plectorhinchus pictus</i> | Fish | 0.15% |
| <i>Tentoriceps cristatus (Trichiurus cristatus)</i> | Fish | 0.15% |
| <i>Upeneus sulphureus</i> | Fish | 0.15% |
| <i>Upeneus tragula</i> | Fish | 0.15% |
| <i>Ablabys taenianotus</i> | Fish | 0.11% |
| <i>Acanthocepola limbata</i> | Fish | 0.11% |
| <i>Anacanthus barbatus</i> | Fish | 0.11% |
| <i>Gymnothorax fimbriatus</i> | Fish | 0.11% |
| <i>Histrio histrio</i> | Fish | 0.11% |
| <i>Megalaspis cordyla</i> | Fish | 0.11% |

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| <i>Myersina (Cryptocentrus) filifer</i> | Fish | 0.11% |
| <i>Naucrates ductor</i> | Fish | 0.11% |
| <i>Nemipterus japonicus</i> | Fish | 0.11% |
| <i>Nemipterus tambuloides</i> | Fish | 0.11% |
| <i>Nemipterus thosaporni</i> | Fish | 0.11% |
| <i>Oxyurichthys achenolepis (saru)</i> | Fish | 0.11% |
| <i>Pentapodus setosus</i> | Fish | 0.11% |
| <i>Pseudorhombus oligodon</i> | Fish | 0.11% |
| <i>Pterocaesio digramma</i> | Fish | 0.11% |
| <i>Pterois antennata</i> | Fish | 0.11% |
| <i>Sillago sihama</i> | Fish | 0.11% |
| <i>Uranoscopus japonicus</i> | Fish | 0.11% |
| <i>Valenciennea wardii</i> | Fish | 0.11% |
| <i>Aseraggodes lateralis</i> | Fish | 0.08% |
| <i>Bregmaceros japonicus</i> | Fish | 0.08% |
| <i>Bregmaceros mcclellandi</i> | Fish | 0.08% |
| <i>Champsodon guentheri</i> | Fish | 0.08% |
| <i>Chiloscyllium punctatum</i> | Fish | 0.08% |
| <i>Decapterus kurroides</i> | Fish | 0.08% |
| <i>Epinephelus sexfasciatus</i> | Fish | 0.08% |
| <i>Gerres erythrourus</i> | Fish | 0.08% |
| <i>Inimicus cuvieri</i> | Fish | 0.08% |
| <i>Narcine timlei</i> | Fish | 0.08% |
| <i>Nemipterus nematophorus</i> | Fish | 0.08% |
| <i>Ophichthus evermanni (Ophichthus lithinus)</i> | Fish | 0.08% |
| <i>Paraplagusia blochii</i> | Fish | 0.08% |
| <i>Pisodonophis boro</i> | Fish | 0.08% |
| <i>Pterocaesio chrysozona</i> | Fish | 0.08% |
| <i>Rastrelliger kanagurta</i> | Fish | 0.08% |
| <i>Scolopsis taeniopterus</i> | Fish | 0.08% |
| <i>Scolopsis vosmeri</i> | Fish | 0.08% |
| <i>Siganus canaliculatus</i> | Fish | 0.08% |
| <i>Sirembo imberbis</i> | Fish | 0.08% |
| <i>Tetrosomus gibbosus</i> | Fish | 0.08% |
| <i>Thryssa dussumieri</i> | Fish | 0.08% |
| <i>Thryssa setirostris</i> | Fish | 0.08% |
| <i>Zebrias quagga</i> | Fish | 0.08% |
| <i>Zeus faber</i> | Fish | 0.08% |
| <i>Abudefdup vaigiensis</i> | Fish | 0.04% |
| <i>Acentrogobius caninus</i> | Fish | 0.04% |
| <i>Alectis ciliaris</i> | Fish | 0.04% |
| <i>Alectis indica</i> | Fish | 0.04% |
| <i>Alepes kleinii</i> | Fish | 0.04% |
| <i>Arothron stellatus</i> | Fish | 0.04% |
| <i>Cypselurus naresii</i> | Fish | 0.04% |
| <i>Dendrophysa russelii</i> | Fish | 0.04% |

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| <i>Deveximentum (Secutor) insidiator</i> | Fish | 0.04% |
| <i>Epinephelus areolatus</i> | Fish | 0.04% |
| <i>Ferdauia ferdau (Carangooides ferdau)</i> | Fish | 0.04% |
| <i>Hippocampus hystric</i> | Fish | 0.04% |
| <i>Ichthyscopus lebeck</i> | Fish | 0.04% |
| <i>Iniistius pentadactylus (Xyrichtys virens)</i> | Fish | 0.04% |
| <i>Iniistius trivittatus</i> | Fish | 0.04% |
| <i>Inimicus japonicus</i> | Fish | 0.04% |
| <i>Jaydia ellioti (Apogon ellioti)</i> | Fish | 0.04% |
| <i>Lactoria diaphana</i> | Fish | 0.04% |
| <i>Lagocephalus inermis</i> | Fish | 0.04% |
| <i>Leptosynanceia asteroblepa</i> | Fish | 0.04% |
| <i>Lobotes surinamensis</i> | Fish | 0.04% |
| <i>Lutjanus sebae</i> | Fish | 0.04% |
| <i>Muraenesox (Congresox) talabonoides</i> | Fish | 0.04% |
| <i>Muraenesox cinereus</i> | Fish | 0.04% |
| <i>Okamejei hollandi</i> | Fish | 0.04% |
| <i>Opistognathus scops</i> | Fish | 0.04% |
| <i>Parupenaeus indicus</i> | Fish | 0.04% |
| <i>Parupeneus heptacanthus</i> | Fish | 0.04% |
| <i>Pennahia anea</i> | Fish | 0.04% |
| <i>Pomadasys maculatus</i> | Fish | 0.04% |
| <i>Priacanthus hamrur</i> | Fish | 0.04% |
| <i>Pristipomoides multidens</i> | Fish | 0.04% |
| <i>Sargocentron rubrum</i> | Fish | 0.04% |
| <i>Scolopsis affinis</i> | Fish | 0.04% |
| <i>Sebasticus marmoratus</i> | Fish | 0.04% |
| <i>Stolephorus commersonii</i> | Fish | 0.04% |
| <i>Stolephorus indicus</i> | Fish | 0.04% |
| <i>Synaptura commersonii</i> | Fish | 0.04% |
| <i>Taenioides nigrimarginatus</i> | Fish | 0.04% |
| <i>Thamnaconus (Cantherhines) multilineatus</i> | Fish | 0.04% |
| <i>Tripodichthys blochii</i> | Fish | 0.04% |
| <i>Trypauchen vagina</i> | Fish | 0.04% |
| <i>Scyllarus rugosus</i> | Shellfish - Crustaceans | 0.57% |
| <i>Portunus gladiator</i> | Shellfish - Crustaceans | 0.69% |
| <i>Portunus haanii</i> | Shellfish - Crustaceans | 1.45% |
| <i>Portunus argentatus</i> | Shellfish - Crustaceans | 1.19% |
| <i>Metapenaeopsis barbata</i> | Shellfish - Crustaceans | 0.92% |
| <i>Portunus hastatoides (Xiphonectes hastatoides)</i> | Shellfish - Crustaceans | 0.69% |
| <i>Calappa philargius</i> | Shellfish - Crustaceans | 0.65% |
| <i>Sicyonia lancifera</i> | Shellfish - Crustaceans | 0.54% |
| <i>Odontodactylus cultrifer</i> | Shellfish - Crustaceans | 0.50% |
| <i>Charybdis natator</i> | Shellfish - Crustaceans | 0.31% |
| <i>Cycloes granulosa</i> | Shellfish - Crustaceans | 0.31% |
| <i>Erugosquilla woodmasoni</i> | Shellfish - Crustaceans | 0.23% |

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| <i>Portunus gracilimanus</i> | Shellfish - Crustaceans | 0.23% |
| <i>Charybdis anisodon</i> | Shellfish - Crustaceans | 0.19% |
| <i>Calappa calappa</i> | Shellfish - Crustaceans | 0.15% |
| <i>Charybdis truncata</i> | Shellfish - Crustaceans | 0.15% |
| <i>Carinosquilla multicarinata</i> | Shellfish - Crustaceans | 0.11% |
| <i>Harpiosquilla annandalei</i> | Shellfish - Crustaceans | 0.11% |
| <i>Trachypenaeus curvirostris (Trachysalambria curvirostris)</i> | Shellfish - Crustaceans | 0.11% |
| <i>Charybdis affinis</i> | Shellfish - Crustaceans | 0.08% |
| <i>Charybdis miles</i> | Shellfish - Crustaceans | 0.08% |
| <i>Harpiosquilla harpax</i> | Shellfish - Crustaceans | 0.08% |
| <i>Kishinouye penaeopsis (Parapenaeopsis) cornuta</i> | Shellfish - Crustaceans | 0.08% |
| <i>Odontodactylus japonicus</i> | Shellfish - Crustaceans | 0.08% |
| <i>Oratosquilla oratoria</i> | Shellfish - Crustaceans | 0.08% |
| <i>Parthenope longimanus</i> | Shellfish - Crustaceans | 0.08% |
| <i>Portunus sanguinolentus</i> | Shellfish - Crustaceans | 0.08% |
| <i>Ranina ranina</i> | Shellfish - Crustaceans | 0.08% |
| <i>Metapenaeopsis lamellata</i> | Shellfish - Crustaceans | 0.04% |
| <i>Metapenaeopsis stridulans</i> | Shellfish - Crustaceans | 0.04% |
| <i>Odontodactylus scyllarus</i> | Shellfish - Crustaceans | 0.04% |
| <i>Oratosquilla interrupta</i> | Shellfish - Crustaceans | 0.04% |
| <i>Parapenaeopsis barbata (Metapenaeopsis barbata)</i> | Shellfish - Crustaceans | 0.04% |
| <i>Podophthalmus vigil</i> | Shellfish - Crustaceans | 0.04% |
| <i>Portunus pelagicus</i> | Shellfish - Crustaceans | 0.04% |
| <i>Thenus orientalis</i> | Shellfish - Crustaceans | 0.04% |
| <i>Sepia recurvirostra</i> | Shellfish - Mollusks | 0.92% |
| <i>Uroteuthis chinensis (Loligo chinensis)</i> | Shellfish - Mollusks | 0.92% |
| <i>Sepia vietnamica</i> | Shellfish - Mollusks | 1.41% |
| <i>Euprymna morsei</i> | Shellfish - Mollusks | 0.65% |
| <i>Amusium pleuronectes</i> | Shellfish - Mollusks | 0.50% |
| <i>Sepia brevimana</i> | Shellfish - Mollusks | 0.38% |
| <i>Aestuariolus (Loliolus) noctiluca</i> | Shellfish - Mollusks | 0.27% |
| <i>Sepiella inermis</i> | Shellfish - Mollusks | 0.19% |
| <i>Sepiella japonica</i> | Shellfish - Mollusks | 0.19% |
| <i>Sepia esculenta</i> | Shellfish - Mollusks | 0.15% |
| <i>Octopus aegina</i> | Shellfish - Mollusks | 0.11% |
| <i>Sepia aculeata</i> | Shellfish - Mollusks | 0.11% |
| <i>Sepiadarium kochi</i> | Shellfish - Mollusks | 0.11% |
| <i>Decatopecten radula</i> | Shellfish - Mollusks | 0.08% |
| <i>Hapalochlaena lunulata</i> | Shellfish - Mollusks | 0.08% |
| <i>Loligo singhalensis (Uroteuthis singhalensis)</i> | Shellfish - Mollusks | 0.08% |
| <i>Loliolus beka (Loligo beka)</i> | Shellfish - Mollusks | 0.08% |
| <i>Octopus ocellatus (Amphioctopus fangsiao)</i> | Shellfish - Mollusks | 0.08% |
| <i>Uroteuthis (Loligo) duvaucelli</i> | Shellfish - Mollusks | 0.08% |
| <i>Amphioctopus (Octopus) aegina</i> | Shellfish - Mollusks | 0.04% |
| <i>Amusium japonicum</i> | Shellfish - Mollusks | 0.04% |
| <i>Mimachlamys sanguinea (Chlamys senatoria)</i> | Shellfish - Mollusks | 0.04% |

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| <i>Octopus fangsiao (Amphioctopus fangsiao)</i> | Shellfish - Mollusks | 0.04% |
| <i>Phalium areala</i> | Shellfish - Mollusks | 0.04% |
| <i>Sthenoteuthis oualaniensis</i> | Shellfish - Mollusks | 0.04% |
| <i>Tonna dolium</i> | Shellfish - Mollusks | 0.04% |
| <i>Tonna perdix</i> | Shellfish - Mollusks | 0.04% |