Supplementary material

List of marine megafauna species

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| Number | Species Name | Classification | Red List Category |
| 1 | Alopias pelagicus | sharks | Endangered |
| 2 | Alopias superciliosus | sharks | Vulnerable |
| 3 | Alopias vulpinus | sharks | Endangered |
| 4 | Carcharias taurus | sharks | Critically Endangered |
| 5 | Odontaspis ferox | sharks | Critically Endangered |
| 6 | Megachasma pelagios | sharks | Least Concern |
| 7 | Cetorhinus maximus | sharks | Endangered |
| 8 | Carcharodon carcharias | sharks | Vulnerable |
| 9 | Isurus oxyrinchus | sharks | Endangered |
| 10 | Lamna ditropis | sharks | Least Concern |
| 11 | Lamna nasus | sharks | Critically Endangered |
| 12 | Galeocerdo cuvier | sharks | Near Threatened |
| 13 | Carcharhinus albimarginatus | sharks | Vulnerable |
| 14 | Carcharhinus altimus | sharks | Near Threatened |
| 15 | Carcharhinus brachyurus | sharks | Vulnerable |
| 16 | Carcharhinus brevipinna | sharks | Vulnerable |
| 17 | Carcharhinus falciformis | sharks | Data Deficient |
| 18 | Carcharhinus galapagensis | sharks | Least Concern |
| 19 | Carcharhinus leucas | sharks | Vulnerable |
| 20 | Carcharhinus limbatus | sharks | Vulnerable |
| 21 | Carcharhinus longimanus | sharks | Critically Endangered |
| 22 | Carcharhinus obscurus | sharks | Data Deficient |
| 23 | Carcharhinus perezi | sharks | Endangered |
| 24 | Carcharhinus plumbeus | sharks | Endangered |
| 25 | Carcharhinus signatus | sharks | Endangered |
| 26 | Carcharhinus tilstoni | sharks | Least Concern |
| 27 | Negaprion acutidens | sharks | Endangered |
| 28 | Negaprion brevirostris | sharks | Vulnerable |
| 29 | Prionace glauca | sharks | Near Threatened |
| 30 | Eusphyra blochii | sharks | Endangered |
| 31 | Sphyrna lewini | sharks | Critically Endangered |
| 32 | Sphyrna mokarran | sharks | Critically Endangered |
| 33 | Sphyrna zygaena | sharks | Vulnerable |
| 34 | Hexanchus griseus | sharks | Near Threatened |
| 35 | Hexanchus nakamurai | sharks | Near Threatened |
| 36 | Notorynchus cepedianus | sharks | Vulnerable |
| 37 | Ginglymostoma cirratum | sharks | Vulnerable |
| 38 | Rhincodon typus | sharks | Endangered |
| 39 | Somniosus microcephalus | sharks | Near Threatened |
| 40 | Somniosus pacificus | sharks | Near Threatened |
| 41 | Squatina squatina | sharks | Critically Endangered |
| 42 | Aetobatus narinari | rays | Endangered |
| 43 | Aetobatus ocellatus | rays | Vulnerable |
| 44 | Dasyatis americana | rays | Near Threatened |
| 45 | Dasyatis brevis | rays | Data Deficient |
| 46 | Dasyatis centroura | rays | Data Deficient |
| 47 | Dasyatis thetidis | rays | Data Deficient |
| 48 | Himantura jenkinsii | rays | Vulnerable |
| 49 | Himantura polylepis | rays | Endangered |
| 50 | Himantura uarnak | rays | Endangered |
| 51 | Pteroplatytrygon violacea | rays | Least Concern |
| 52 | Taeniura grabata | rays | Near Threatened |
| 53 | Taeniurops meyeni | rays | Vulnerable |
| 54 | Gymnura altavela | rays | Endangered |
| 55 | Gymnura natalensis | rays | Least Concern |
| 56 | Manta birostris | rays | Endangered |
| 57 | Mobula tarapacana | rays | Endangered |
| 58 | Myliobatis australis | rays | Least Concern |
| 59 | Myliobatis californica | rays | Least Concern |
| 60 | Aetomylaeus bovinus | rays | Critically Endangered |
| 61 | Pristis microdon | rays | Critically Endangered |
| 62 | Pristis pectinata | rays | Critically Endangered |
| 63 | Rhina ancylostoma | rays | Critically Endangered |
| 64 | Rhynchobatus djiddensis | rays | Critically Endangered |
| 65 | Rhinobatos cemiculus | rays | Critically Endangered |
| 66 | Torpedo nobiliana | rays | Least Concern |
| 67 | Dipturus batis | skates | Critically Endangered |
| 68 | Beringraja binoculata | skates | Least Concern |
| 69 | Rostroraja alba | skates | Endangered |
| 70 | Balaena mysticetus | whale | Least Concern |
| 71 | Eubalaena australis | whale | Least Concern |
| 72 | Eubalaena glacialis | whale | Critically Endangered |
| 73 | Eubalaena japonica | whale | Endangered |
| 74 | Balaenoptera acutorostrata | whale | Least Concern |
| 75 | Balaenoptera bonaerensis | whale | Near Threatened |
| 76 | Balaenoptera borealis | whale | Endangered |
| 77 | Balaenoptera edeni | whale | Least Concern |
| 78 | Balaenoptera musculus | whale | Endangered |
| 79 | Balaenoptera physalus | whale | Vulnerable |
| 80 | Megaptera novaeangliae | whale | Least Concern |
| 81 | Kogia breviceps | whale | Least Concern |
| 82 | Kogia sima | whale | Least Concern |
| 83 | Berardius arnuxii | whale | Least Concern |
| 84 | Berardius bairdii | whale | Least Concern |
| 85 | Hyperoodon ampullatus | whale | Near Threatened |
| 86 | Hyperoodon planifrons | whale | Least Concern |
| 87 | Indopacetus pacificus | whale | Least Concern |
| 88 | Mesoplodon traversii | whale | Data Deficient |
| 89 | Mesoplodon bidens | whale | Least Concern |
| 90 | Mesoplodon bowdoini | whale | Data Deficient |
| 91 | Mesoplodon carlhubbsi | whale | Data Deficient |
| 92 | Mesoplodon densirostris | whale | Least Concern |
| 93 | Mesoplodon europaeus | whale | Least Concern |
| 94 | Mesoplodon gingkodens | whale | Data Deficient |
| 95 | Mesoplodon grayi | whale | Least Concern |
| 96 | Mesoplodon hectori | whale | Data Deficient |
| 97 | Mesoplodon layardii | whale | Least Concern |
| 98 | Mesoplodon mirus | whale | Least Concern |
| 99 | Mesoplodon perrini | whale | Endangered |
| 100 | Mesoplodon peruvianus | whale | Least Concern |
| 101 | Mesoplodon stejnegeri | whale | Near Threatened |
| 102 | Tasmacetus shepherdi | whale | Data Deficient |
| 103 | Ziphius cavirostris | whale | Least Concern |
| 104 | Caperea marginata | whale | Least Concern |
| 105 | Delphinapterus leucas | whale | Least Concern |
| 106 | Monodon monoceros | whale | Least Concern |
| 107 | Physeter macrocephalus | whale | Vulnerable |
| 108 | Eschrichtius robustus | whale | Least Concern |
| 109 | Feresa attenuata | whale | Least Concern |
| 110 | Globicephala macrorhynchus | whale | Least Concern |
| 111 | Globicephala melas | whale | Least Concern |
| 112 | Orcinus orca | whale | Data Deficient |
| 113 | Peponocephala electra | whale | Least Concern |
| 114 | Pseudorca crassidens | whale | Near Threatened |
| 115 | Cephalorhynchus commersonii | dolphin | Least Concern |
| 116 | Cephalorhynchus eutropia | dolphin | Near Threatened |
| 117 | Cephalorhynchus heavisidii | dolphin | Near Threatened |
| 118 | Cephalorhynchus hectori | dolphin | Endangered |
| 119 | Delphinus delphis | dolphin | Least Concern |
| 120 | Grampus griseus | dolphin | Least Concern |
| 121 | Lagenodelphis hosei | dolphin | Least Concern |
| 122 | Lagenorhynchus acutus | dolphin | Least Concern |
| 123 | Lagenorhynchus albirostris | dolphin | Least Concern |
| 124 | Lagenorhynchus australis | dolphin | Least Concern |
| 125 | Lagenorhynchus cruciger | dolphin | Least Concern |
| 126 | Lagenorhynchus obliquidens | dolphin | Least Concern |
| 127 | Lagenorhynchus obscurus | dolphin | Least Concern |
| 128 | Lissodelphis borealis | dolphin | Least Concern |
| 129 | Lissodelphis peronii | dolphin | Least Concern |
| 130 | Orcaella brevirostris | dolphin | Endangered |
| 131 | Orcaella heinsohni | dolphin | Vulnerable |
| 132 | Sotalia guianensis | dolphin | Near Threatened |
| 133 | Sousa chinensis | dolphin | Vulnerable |
| 134 | Sousa teuszii | dolphin | Critically Endangered |
| 135 | Stenella attenuata | dolphin | Least Concern |
| 136 | Stenella clymene | dolphin | Least Concern |
| 137 | Stenella coeruleoalba | dolphin | Least Concern |
| 138 | Stenella frontalis | dolphin | Least Concern |
| 139 | Stenella longirostris | dolphin | Least Concern |
| 140 | Steno bredanensis | dolphin | Least Concern |
| 141 | Tursiops truncatus | dolphin | Least Concern |
| 142 | Tursiops aduncus | dolphin | Near Threatened |
| 143 | Pontoporia blainvillei | dolphin | Vulnerable |
| 144 | Neophocaena phocaenoides | porpoise | Vulnerable |
| 145 | Phocoena dioptrica | porpoise | Least Concern |
| 146 | Phocoena phocoena | porpoise | Least Concern |
| 147 | Phocoena sinus | porpoise | Critically Endangered |
| 148 | Phocoena spinipinnis | porpoise | Near Threatened |
| 149 | Phocoenoides dalli | porpoise | Least Concern |

PCA analysis of Elliptical Fournier results of megafauna rays and skates.

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Description automatically generated

PCA analysis of Elliptical Fournier results of megafauna whales.

A picture containing diagram, line, text, drawing

Description automatically generated

PCA analysis of Elliptical Fournier results of megafauna dolphins.

A picture containing diagram, line, drawing, text

Description automatically generated

PCA analysis of Elliptical Fournier results of megafauna porpoise.

A picture containing line, text, handwriting, diagram

Description automatically generated

PCA analysis of Elliptical Fournier results of megafauna cetaceans. Colours of points represents the type of species.

A picture containing text, screenshot, diagram, line

Description automatically generated