

ESTIMATES of the NUMBERS of EXTANT SPECIES

MARINE SPECIES HIGHLIGHTED

Monerans – Bacteria – 100s of Ks, 12%M
Protistans:
 Diatoms – 14K, 50%M
 Dinoflagellates – 1.5K, 90%M
 Sarcodina – (amoebae) – 9K
 Forams – 2K, AM
 Radiolarians – 4K, AM
 Ciliates – 7K, 10%M
Nonvascular Plants – 29K, MT
 Green Algae – 7K
 Red Algae – 4.5K, 99%M
 Brown Algae – 1.5K, AM
Angiosperms – Vascular Plants – 260K, MT
 Salt Marsh Plants – 100
 Sea Grasses – 50
 Mangroves – 80
Fungi – 80K, 0.5%M
Porifera – Sponges – 8K, MM
Cnidaria – 11K, MM
 Hydrozoans – 3K, 99%M
 Hydroids, Fire Coral, Siphonophores
 Scyphozoans – Jellyfishes – 500, AM
 Sea Wasps
 Anthozoans – 8K, AM
 Anemones – 1.5K
 Hard Corals – 3K
 Soft Corals – 3.5K
Ctenophora – Comb Jellies – 100, AM
Platyhelminthes – Flatworms – 18.5K, MP
 Turbellaria – 3.2K, MM
Molluscs – 100K, MM
 Tooth Shells – 400, AM
 Chitons – 1K, AM
 Gastropods – 80K, MM
 Nudibranchs – 2.5K, AM
 Bivalves – 15K, 85% MM
 Cephalopods – 1K, AM
 Nautiluses – 11
 Cuttlefish – 100
 Squids/Giant Squids – 600
 Octopuses – 300
Annelids – Segmented Worms – 12K
 Polychaetes – 8.5K, 99%M
Arthropods – 2 million +, MT
 Chelicerata – 400K, MT
 Horseshoe Crabs – 8, AM
 Sea Spiders – 1.5K, AM
 Insects – 1.3 million, 50 M
 Crustacea – 45K, MM

Arthropods -- continued
 Crustacea – 45K, MM
 Malacostraca – 30K
 Decapods – 11K, MM
 Lobsters – 300, MM
 Shrimp – 3K, MM
 Crabs – 6K, MM
 Decorator Crabs
 Hermit Crabs – 2K, 99%M
 Stomatopods/Mantis shrimps - 400, AM
 Euphausiids/Krill – 100, AM
 Isopods – 10K, MM
 Amphipods – 8K, 67% M
 Copepods – 9K, MM
 Barnacles – 1K, AM
Ectoprocts – 4K, 99%M
Echinoderms – 6K, AM
 Starfish – 1.6K
 Brittle/Basket Stars – 2K
 Sea Urchins, *etc.* – 1K
 Sea Cucumbers – 1K
 Feather Stars/Sea Lilies (Crinoids) – 600
Chordates – 45K
 Urochordates/Sea Squirrels/Salps – 1.3 K, AM
 Vertebrates – 42K
 Sharks/Rays – 700, MM
 Bony Fishes – 19K, 60%M
 Reptiles – 6K, 1%M
 Birds – 9.6K, 3%M
 Mammals – 4.5K, 4%M
 Cetaceans
 Toothed Whales – 70, MM
 Baleen Whales – 11, AM
 Carnivores
 Pinnipeds – 30, AM
 Sea Lions
 True Seals
 Walruses
 Sea otters
 Polar Bears
 Sirenia – 3, AM

MM – mostly marine
AM – all marine
X%M -- % marine