**Marine Mammal Stranding – West Coast Data**

This lab allows students to explore and analyze *Level A Data* for Marine Mammal Strandings along the Oregon coast. Level A Data includes: Species Identification, Location of Stranding (latitude/longitude), Age, Sex, Status of animal (live, dead, fresh, decomposed), Signs of Human Interaction (entanglement, ship strike, gunshot), and Presence of Tags/Brands.

Data Collection Revision Based on:

CND (Can’t Be Determined) = 3503 recorded strandings

Yes/Y (Stranding Cause Determined) = 514 recorded strandings

Websites:

* <https://www.mbari.org/wp-content/uploads/2018/05/June2018MBARI.pdf> (EARTH 2018 PPT presented by Jim Rice, Coordinator, Oregon Marine Mammal Stranding Network Marine Mammal Institute, Oregon State University)
* <https://docs.google.com/spreadsheets/d/1gRs4F37aSQeDcdkUfIwOjSKRVvBMee-G9_vc4eFfhkY/edit#gid=604398715> (Raw Data for Oregon Marine Mammal Strandings, 2008 – 2017)
* <https://mmi.oregonstate.edu/ommsn> (Oregon Marine Mammal Stranding Network website)
* <http://www.nmfs.noaa.gov/pr/sars/species.htm#pinnipeds> (NOAA Marine Mammal Stock Assessment Reports (SARs) by Species/Stock)
* <https://www.mbari.org/wp-content/uploads/2018/05/44.3-Warlicketal.pdf> - Article: Spatio Temporal Characterization of Pinniped Strandings and Human Interaction Cases in the Pacific Northwest, 1991-2016 (Amanda J. Warlick, Deborah A. Duffield, Dyanna M. Lambourn, Steven J. Jeffries, James M. Rice, Joseph K. Gaydos, Jessica L. Huggins, John Calambokidis, Lesanna L. Lahner, Jennifer Olson, Erin D’Agnese, Victoria Souze, Alysha Elsby, and Stephanie A. Norman)
* <https://ptmsc.org/programs/investigate/citizen-science/marine-mammal-stranding-network-and-necropsy-program/local-marine-mammals> (Species images and information for West Coast marine mammals)

**KEY FOR MARINE MAMMAL SPECIES:**

* Baird’s beaked whale – Beradius bairdii
* Blue whale – Balaenoptera musculus
* Bottlenose dolphin – Tursiops truncatus
* California sea lion – Zalophus californianus
* Common dolphin – Delphinus delphis
* Culvier’s beaked whale – Ziphius cavirostris
* Dall’s porpoise – Phoconoides dalli
* Fin whale – Balaenoptera physalus
* Gray whale – Eschrichtius robustus
* Guadalupe fur seal – Arctocephalus townsendi
* Harbor porpoise – Phocoena phocoena
* Harbor seal – Phoca vitulina
* Humpback whale – Megaptera novaeangliae
* Killer whale – Orcinus orca
* Long-beaked common dolphin – Delphinus capensis
* Minke whale – Balaenoptera acutorostrata
* Northern elephant seal – Mirounga angustirostris
* Northern fur seal – Callorhinus ursinus
* Northern right whale dolphin – Lissodelphis borealis
* Pacific white-sided dolphin – Lagenorhynchus obliquidens
* Pantropical spotted dolphin – Stenella attenuata
* Pygmy sperm whale – Kogis breviceps
* Risso’s dolphin – Grampus griseus
* Sea otter – Enhydra lutris
* Sperm whale – Physeter macrocephalus
* Stejneger’s beaked whale – Mesoplodon stejnegeri
* Steller sea lion – Eumetopias jubatus
* Striped dolphin – Stenella coeruleoalba