

## References

- ANSI (American National Standards Institute). 1986. Methods of Measurement for Impulse Noise 3 (ANSI S12.7-1986). Acoustical Society of America, Woodbury, NY.
- ANSI. 1995. Bioacoustical Terminology (ANSI S3.20-1995). Acoustical Society of America, Woodbury, NY.
- ANSI. 2005. Measurement of Sound Pressure Levels in Air (ANSI S1.13-2005). Acoustical Society of America, Woodbury, NY.
- Au, W.W.L. and M.C. Hastings. 2008. Principles of Marine Bioacoustics. Springer, New York.
- Barlow, J., S.L. Swartz, T. Eagle, and P.R. Wade. 1995. U.S. marine mammal stock assessments: Guidelines for preparation, background, and a summary of the 1995 assessments. NOAA Technical Memorandum NMFS-OPR-95-6, National Marine Fisheries Service: 80.
- Bengtson, J.L. 2009. Crabeater seal: *Lobodon carcinophaga*. Pages 290-292 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. Encyclopedia of Marine Mammals (Second Edition). Academic Press, San Diego.
- Bettridge, S., C.S. Baker, J. Barlow, P.J. Clapham, M. Ford, D. Gouveia, et al. 2015. Status review of the humpback whale (*Megaptera novaeangliae*) under the Endangered Species Act. NOAA Technical Memorandum NMFS-SWFSC-540, National Marine Fisheries Service: 263.
- Branch, T.A. and D.S. Butterworth. 2001. Estimates of abundance south of 60° for cetacean species sighted frequently on the 1978/79 to 1997/98 IWC/IDCR-SOWER sighting surveys. *Journal of Cetacean Research and Management* **3** (3):251-270.
- Branch, T.A., K.M. Stafford, D.M. Palacios, C. Allison, J.L. Bannister, C.L.K. Burton, et al. 2007. Past and present distribution, densities and movements of blue whales *Balaenoptera musculus* in the Southern Hemisphere and northern Indian Ocean. *Mammal Review* **37** (2):116-175.
- Burdin, A.M., A.L. Bradford, G.A. Tsidulko, and M. Sidorenko. 2011. Status of western gray whales off northeastern Sakhalin Island and eastern Kamchatka, Russia in 2010. Scientific Committee Report SC/63/BRG8, International Whaling Commission: 10.
- Carretta, J.V., J. Barlow, and L. Enriquez. 2008. Acoustic pingers eliminate beaked whale bycatch in a gill net fishery. *Marine Mammal Science* **24** (4):956-961.
- Carretta, J.V., K.A. Forney, E.M. Oleson, D.W. Weller, A.R. Lang, J. Baker, et al. 2017. U.S. Pacific marine mammal stock assessments: 2016. NOAA Technical Memorandum NMFS-SWFSC-617: 382.

- Carretta, J.V., K.A. Forney, E.M. Oleson, D.W. Weller, A.R. Lang, J. Baker, et al. 2019. U.S. Pacific marine mammal stock assessments: 2018. NOAA Technical Memorandum NMFS-SWFSC-577: 414.
- Cholewiak, D., A.I. DeAngelis, D. Palka, P.J. Corkeron, and S.M. Van Parijs. 2017. Beaked whales demonstrate a marked acoustic response to the use of shipboard echosounders. *Royal Society Open Science* **4** (12):170940.
- Committee on Taxonomy. 2020. List of marine mammal species and subspecies. Society for Marine Mammalogy, [www.marinemammalscience.org](http://www.marinemammalscience.org), accessed on July 6, 2020.
- Dotson, R.C., D.A. Griffith, D.L. King, and R.L. Emmett. 2010. Evaluation of a marine mammal excluder device (MMED) for a Nordic 264 midwater rope trawl. NOAA Technical Memorandum NMFS-SWFSC-455, National Marine Fisheries Service: 19.
- Ellison, W.T., B.L. Southall, C.W. Clark, and A.S. Frankel. 2012. A new context-based approach to assess marine mammal behavioral responses to anthropogenic sounds. *Conservation Biology* **26** (1):21-28.
- Forcada, J. and I.J. Staniland. 2009. Antarctic fur seal. Pages 36-42 *in* W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals (Second Edition)*. Academic Press, San Diego.
- Greene, C.R., and W.J. Richardson. 1988. Characteristics of marine seismic survey sounds in the Beaufort Sea. *Journal of the Acoustical Society of America* **83** (6):2246-2254.
- Harris, C.M., ed. 1998. *Handbook of Acoustical Measurements and Noise Control*. Acoustical Society of America, Woodbury, NY.
- Hewitt, R.P., J. Watkins, M. Naganobu, V. Sushin, A.S. Brierley, D. Demer, et al. 2004. Biomass of Antarctic krill in the Scotia Sea in January/February 2000 and its use in revising an estimate of precautionary yield. *Deep Sea Research Part II: Topical Studies in Oceanography* **51** (12-13):1215-1236.
- Hoelzel, A.R., C. Campagna, and T. Arnbom. 2001. Genetic and morphometric differentiation between island and mainland southern elephant seal populations. *Proceedings of the Royal Society of London B: Biological Sciences* **268** (1464):325-332.
- ISO (International Organization for Standardization). 2003. *Acoustics – Description, Measurement and Assessment of Environmental Noise – Part 1: Basic Quantities and Assessment Procedures (ISO 1996-1:2003(E))*. International Organization for Standardization, Geneva.

- IWC (International Whaling Commission). 2001. Report of the subcommittee on the comprehensive assessment of whale stocks – other stocks. *Journal of Cetacean Research and Management* **Special Issue 3**:209-228.
- IWC. 2012. Extracts from the IWC64 Scientific Committee report relevant to the GWAP. International Whaling Commission: 11.
- Kasamatsu, F. and G.G. Joyce. 1995. Current status of odontocetes in the Antarctic. *Antarctic Science* **7** (4):365-379.
- Mapes, L.V. “Seals Tell Tales of Sound’s Health.” *The Seattle Times*: May 29, 2013.
- Mate, B., A. Bradford, G. Tsidulko, V. Vertyankin, and V. Ilyashenko. 2011. Late-feeding season movements of a western North Pacific gray whale off Sakhalin Island, Russia and subsequent migration into the eastern North Pacific. *Scientific Committee Report SC/63/BRG23*, International Whaling Commission: 7.
- McMahon, C.R., M.N. Bester, H.R. Burton, M.A. Hindell, and C.J.A. Bradshaw. 2005. Population status, trends and a re-examination of the hypotheses explaining the recent declines of the southern elephant seal *Mirounga leonina*. *Mammal Review* **35** (1):82-100.
- Moore, J.E. and J.P. Barlow. 2013. Declining abundance of beaked whales (Family Ziphiidae) in the California Current Large Marine Ecosystem. *PloS ONE* **8** (1):e52770.
- Mortenson, J. 1996. Human Interference with Harbor Seals at Jenner, CA 1994-1995. *Stewards of Slavianka, Sonoma Coast State Beaches, and Russian River/Mendocino Park District*: 46.
- Muto, M.M., V.T. Helker, R.P. Angliss, P.L. Boveng, J.M. Breiwick, M.F. Cameron, et al. 2019. Alaska marine mammal stock assessments, 2018. NOAA Technical Memorandum NMFS-AFSC-393, National Marine Fisheries Service: 399.
- NIOSH (National Institute for Occupational Safety and Health). 1998. *Criteria for a Recommended Standard: Occupational Noise Exposure*. United States Department of Health and Human Services, Cincinnati, OH.
- NMFS. 2012a. Process for distinguishing serious from non-serious injury of marine mammals. NMFS Policy Directive PD 02-038, 27 January 2012. National Marine Fisheries Service: 4.
- NMFS. 2012b. Process for distinguishing serious from non-serious injury of marine mammals – process for injury determinations. NMFS Instruction 02-038-01, 27 January 2012. National Marine Fisheries Service: 42.
- NMFS. 2018. 2018 revision to: Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing (Version 2.0). NOAA Technical Memorandum NMFS-OPR-59, National Marine Fisheries Service: 178.

- Pitman, R.L. and P. Ensor. 2003. Three forms of killer whales (*Orcinus orca*) in Antarctic waters. *Journal of Cetacean Research and Management* **5** (2):131-139.
- Quick, N., L. Scott-Hayward, D. Sadykova, D. Nowacek, and A. Read. 2017. Effects of a scientific echo sounder on the behavior of short-finned pilot whales (*Globicephala macrorhynchus*). *Canadian Journal of Fisheries and Aquatic Sciences* **74**: 716-726.
- Reilly, S., S. Hedley, J. Borberg, R. Hewitt, D. Thiele, J. Watkins, and M. Naganobu. 2004. Biomass and energy transfer to baleen whales in the South Atlantic sector of the Southern Ocean. *Deep Sea Research Part II: Topical Studies in Oceanography* **51** (12-13):1397-1409.
- Richardson, W.J., C.R. Greene, C.I. Malme, and D.H. Thomson. 1995. *Marine Mammals and Noise*. Academic Press, Inc., San Diego, California.
- Rogers, T.L. 2009. Leopard seal: *Hydrurga leptonyx*. Pages 673-674 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals (Second Edition)*. Academic Press, San Diego.
- Slade, R.W., C. Moritz, A.R. Hoelzel, and H.R. Burton. 1998. Molecular population genetics of the southern elephant seal, *Mirounga leonina*. *Genetics* **149** (4):1945-1957.
- Southall, B.L., A.E. Bowles, W.T. Ellison, J.J. Finneran, R.L. Gentry, C.R. Greene, et al. 2007. Marine mammal noise exposure criteria: Initial scientific recommendations. *Aquatic Mammals* **33** (4):411-521.
- Thomas, J.A. and J. Terhune. 2009. Weddell seal: *Leptonychotes weddellii*. Pages 1217-1220 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals (Second Edition)*. Academic Press, San Diego.
- Urban R., J., D. Weller, O. Tyurneva, S. Swartz, A. Bradford, Y. Yakovlev, et al. 2013. Report on the photographic comparison of the Sakhalin Island and Kamchatka Peninsula with the Mexican gray whale catalogue. Scientific Committee report SC/65/BRG04, International Whaling Commission: 5.
- Urick, R.J. 1983. *Principles of Underwater Sound*. Peninsula Publishing, Los Altos, CA.
- Varghese, H.K., J. Miksis-Olds, N. DiMarzio, K. Lowell, E. Linder, L. Mayer, and D. Moretti. 2020. The effect of two 12 kHz multibeam mapping surveys on the foraging behavior of Cuvier's beaked whales off of southern California. *Journal of the Acoustic Society of America* **147** (6): 3849-3858.
- Wade, P.R. 1998. Calculating limits to the allowable human-caused mortality of cetaceans and pinnipeds. *Marine Mammal Science* **14** (1):1-37.

- Wade, P.R., T.J. Quinn II, J. Barlow, C.S. Baker, A.M. Burdin, J. Calambokidis, et al. 2016. Estimates of abundance and migratory destination for North Pacific humpback whales in both summer feeding areas and winter mating and calving areas. Paper SC/66b/IA21, Scientific Committee of the International Whaling Commission.
- Ward, W.D. 1997. Effects of high-intensity sound. Pages 1497-1507 *in* M.J. Crocker, ed. Encyclopedia of Acoustics, Volume III. John Wiley & Sons, New York.
- Wartzok, D. and D.R. Ketten. 1999. Marine mammal sensory systems. Pages 117-175 *in* J.E. Reynolds and S.A. Rommel, eds. Biology of Marine Mammals. Smithsonian Institution Press, Washington.
- Weller, D.W., A. Klimek, A.L. Bradford, J. Calambokidis, A.R. Lang, B. Gisborne, et al. 2011. Movements of western gray whales from the Okhotsk Sea to the eastern North Pacific. Scientific Committee Report SC/63/BRG6, International Whaling Commission: 5.
- Weller, D.W., A. Klimek, A.L. Bradford, J. Calambokidis, A.R. Lang, B. Gisborne, et al. 2012. Movements of gray whales between the western and eastern North Pacific. *Endangered Species Research* **18** (3):193-199.
- Weller, D.W., G.S. Campbell, A. Debich, A.G. Kesaris, and R.H. Defran. 2016. Mark-recapture abundance estimate of California coastal stock bottlenose dolphins: November 2009 to April 2011. NOAA Technical Memorandum NMFS-SWFSC-563, National Marine Fisheries Service: 18.
- Whitehead, H. 2002. Estimates of the current global population size and historical trajectory for sperm whales. *Marine Ecology Progress Series* **242**:295-304.
- Wood, J., B.L. Southall, and D.J. Tollit. 2012. PG&E Offshore 3-D Seismic Survey Project EIR – Marine Mammal Technical Draft Report. SMRU Ltd.: 124.
- Wynen, L.P., S.D. Goldsworthy, C. Guinet, M.N. Bester, I.L. Boyd, I. Gjertz, et al. 2000. Postsealing genetic variation and population structure of two species of fur seal (*Arctocephalus gazella* and *A. tropicalis*). *Molecular Ecology* **9** (3):299-314.