

References: Naval Magazine Indian Island

- Ahroon, W.A., R.P. Hamernik, and S.-F., Lei. 1996. The effects of reverberant blast waves on the auditory system. *Journal of the Acoustical Society of America* 100:2247-2257
- Anderson, David; Evenson, Joseph R.; Shuster, Laurie; and Calambokidis, John. 2018. Changes in harbor and Dall's porpoise in Puget Sound, 1990s to present. Salish Sea Ecosystem Conference 592. Seattle Washington.
<https://cedar.wwu.edu/cgi/viewcontent.cgi?article=3033&context=ssec>
- Archer, F.I., S.L. Mesnick, and A.C. Allen. 2010. Variation and predictors of vessel response behavior in a tropical dolphin community. NOAA Technical Memorandum NMFS-SWFSC-457, National Marine Fisheries Service, 60 p
- Au, W.W.L. and M. Hastings. 2008. Principles of Marine Bioacoustics. Springer-Verlag, New York.
- Baird, R.W. 1994. Foraging behaviour and ecology of transient killer whales (*Orcinus orca*). Ph.D. thesis, Simon Fraser University, Burnaby, B.C.
- Baird, R.W. (2001). Status of harbour seals, *Phoca vitulina*, in Canada. *Canadian Field-Naturalist*, 115(4), 663–675.
- Bettridge, S., C.S. Baker, J. Barlow, P.J. Clapham, M. Ford, D. Gouveia, D.K. Mattila, R.M. Pace, III, P.E. Rosel, G.K. Silber, and P.R. Wade. (2015). Status Review of the Humpback Whale (*Megaptera novaeangliae*) under the Endangered Species Act (NOAA Technical Memorandum NMFS- SWFSC540). La Jolla, CA: Southwest Fisheries Science Center.
- Bjørge, A. (2002). How persistent are marine mammal habitats in an ocean of variability? In P.G.H. Evans & J.A. Raga (Eds.). *Marine mammals: Biology and Conservation* (pp. 63-91). New York, New York: Kluwer Academic/Plenum Publishers.
- Blecha, F 2000. Immune System Response to Stress. In “The biology of animal stress: basic principles and implications for animal welfare.
- Burdin, A.M., A. L. Bradford, G.A. Tsidulko and Sidorenko, M. 2011. Status of western gray whales off northeastern Sakhalin Island and eastern Kamchatka, Russia in 2010. Paper SC/63/BRG8 presented to the IWC Scientific Committee
- Calambokidis, J., & Steiger, G.H. (1990). Sightings and movements of humpback whales in Puget Sound. *Northwestern Naturalist*, 71(2), 45–49. Retrieved from <http://www.jstor.org/stable/3536589>
- Calambokidis, J., & Baird, R.W. (1994). Status of marine mammals in the Strait of Georgia, Puget Sound and the Juan de Fuca Strait and potential human impacts. *Canadian Technical Report of Fisheries and Aquatic Sciences*, 1948, 282–300.
- Calambokidis, J., Steiger, G.H., Ellifrit, D.K., Troutman, B.L., & Bowlby, C.E. (2004). Distribution and abundance of humpback whales (*Megaptera novaeangliae*) and other marine mammals off the northern Washington coast. *Fishery Bulletin*, 102(4), 563–580.

Calambokidis, J., Laake, J.L., and Klimek, A. (2010). Abundance and population structure of seasonal gray whales in the Pacific Northwest, 1998–2008. Paper SC/62/BRG32 presented to the International Whaling Commission Scientific Committee. Available at www.iwcoffice.org

Calambokidis, J., Steiger, G.H., Curtice, C., Harrison, J., Ferguson, M.C., et al. (2015). 4. Biologically Important Areas for Selected Cetaceans Within U.S. Waters—West Coast Region. *Aquatic Mammals*, 41: 39–53.

Calambokidis, J., J. Laake, and A. Perez. 2017. Updated analysis of abundance and population structure of seasonal gray whales in the Pacific Northwest, 1996–2015. Paper SC/A17/GW/05 presented to the International Whaling Commission.

Carlson, T.J., Woodruff, D.A., Johnson, G.E., Kohn, N.P., Plosky, G.R., Weiland, M.A., Southard, S.L. (2005). *Hydroacoustic measurements during pile driving at the Hood Canal Bridge, September through November 2004*. Battelle Marine Sciences Laboratory, Sequim, WA.

Carretta, J.V., Forney, K.A., Oleson, E., Martien, K., Muto, M.M., Lowry, M.S., Hill, M.C. (2012). *U.S. Pacific marine mammals stock assessments: 2011*. (NOAA Technical Memorandum NMFS- SWFSC-488). National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southwest Fisheries Science Center.
<http://www.nmfs.noaa.gov/pr/pdfs/sars/po2011.pdf>

Carretta, J.V., Oleson, E., Baker, J., Weller, D.W., Lang, A.R., Forney, K.A., Brownell Jr., R.L. (2016). *U.S. Pacific marine mammals stock assessments, 2015*. (NOAA Technical Memorandum NMFS- SWFSC-561). National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southwest Fisheries Science Center, Seattle, WA. May 2016. http://www.nmfs.noaa.gov/pr/sars/pdf/pacific2015_final.pdf.

Casper, B. M., M.B. Halvorsen, F. Matthews, T.J. Carlson, and A.N. Popper. 2013a. Recovery of barotrauma injuries resulting from exposure to pile driving sound in two sizes of hybrid striped bass. *PLoS one* 8(9): e73844. <https://doi.org/10.1371/journal.pone.0073844>

Casper, B.M., A.N. Popper, F. Matthews, T.J. Carlson, and M.B. Halvorsen. 2012. Recovery of Barotrauma Injuries in Chinook Salmon, *Oncorhynchus tshawytscha* from Exposure to Pile Driving Sound. *PLoS ONE* 7(6): e39593. <https://doi.org/10.1371/journal.pone.0039593>

Casper, B.M., M.E Smith, M.B Halvorsen, H. Sun, T.J. Carlson, and A.N. Popper. 2013b. Effects of exposure to pile driving sounds on fish inner ear tissues. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology* 166 (2), 352–360.
<https://doi.org/10.1016/j.cbpa.2013.07.008>

Condit, R., & LeBoeuf, B. 1984. Feeding habits and feeding grounds of the northern elephant seal. *Journal of Mammalogy*, 65(2), 281–290.

- Croll, D.A., C.W. Clark, J. Calambokidis, W.T. Ellison, and B.R. Tershy. 2001. Effect of anthropogenic low-frequency noise on the foraging ecology of Balaenoptera whales. *Animal Conservation* 4(1):13-27.
- DeLong, R.L., S.R. Melin, J.D. Harris, P. Gearin, A.J. Orr, J.L. Laake, S. Jeffries, D. Lambourn, and Josh Oliver. (2017). Satellite Tag Tracking and Behavioral Monitoring of Male California Sea lions in the Pacific Northwest to Assess Haul-out Behavior on Puget Sound Navy Facilities and Foraging Behavior in Marine Navy Testing and Training Areas. Final Report submitted to the US Navy Pacific Fleet, Pearl Harbor, HI. 37 pp.
- Dorsey, E.M., Stern, S.J., Hoelzel, A.R., & Jacobsen, J. (1990). Minke whales (*Balaenoptera acutorostrata*) from the west coast of North America: Individual recognition and small-scale site fidelity. In P. Hammond, S. Mizroch & G. Donovan (Eds.), *Special issue 12: Individual Recognition of Cetaceans: Use of Photo-Identification and Other Techniques to Estimation Population Parameters* (Vol. 12, pp. 357–368). International Whaling Commission.
- Dorsey, E.M. (1983). Exclusive adjoining ranges in individually identified minke whales (*Balaenoptera acutorostrata*) in Washington State. *Canadian Journal of Zoology*, 61, 174–181.
- Edgell, T.C., & Demarchi, M.W. (2012). California and Steller sea lion use of a major winter haulout in the Salish Sea over 45 years. *Marine Ecology Progress Series*, 467, 253–262.
- Ellison, W.T., B. 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.
- Evenson, J.R., Anderson, D., Murphie, B.L., Cyra, T.A., & Calambokidis, J. (2016). *Disappearance and Return of Harbor Porpoise to Puget Sound: 20 Year Pattern Revealed from Winter Aerial Surveys*. Washington Department of Fish and Wildlife, Wildlife Program and Cascadia Research Collective, Olympia, WA.
- Everitt, R.D., Fiscus, C.H., & DeLong, R.L. (1980). Marine mammals of northern Puget Sound and the Strait of Juan de Fuca: A report on investigations November 1, 1977–October 31, 1978. NOAA Technical Memorandum ERL-MESA-41.
- Fair, P.A. and P.R. Becker. 2000. Review of stress in marine mammals. *Journal of Aquatic Ecosystem Stress and Recovery* 7(4): 335-354. <http://dx.doi.org/10.1023/A:1009968113079>
- Fay, R.R. 2009. Soundscapes and the sense of hearing of fishes. *Integrative Zoology*, 4: 26-32. <https://doi.org/10.1111/j.1749-4877.2008.00132.x>
- Fewtrell, J. L., and R. D. McCauley. 2012. Impact of air gun noise on the behaviour of marine fish and squid. *Marine Pollution Bulletin* 64 (5): 984–993. <https://doi.org/10.1016/j.marpolbul.2012.02.009>
- Ferrero, R.C., & Walker, W.A. (1999). Age, growth, and reproductive patterns of Dall's porpoise (*Phocoenoides dalli*) in the central North Pacific Ocean. *Marine Mammal Science*, 15(2), 273–313.

- Finneran, J.J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway. 2000. Auditory and behavioral responses of bottlenose dolphins (*Tursiops truncatus*) and a beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions. *Journal of the Acoustical Society of America* 108:417-431.
- Finneran, J.J., C.E. Schlundt, R. Dear, D.A. Carder, and S.H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. *Journal of the Acoustical Society of America* 111:2929-2940.
- Finneran, J.J. and A.K. Jenkins. 2012. Criteria and thresholds for U.S. Navy acoustic and explosive effects analysis. Technical Report, Space and Naval Warfare Systems Center Pacific, U.S. Navy: 64.
- Finneran, J.J. 2015. Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. *Journal of the Acoustical Society of America* 138:1702-1726.
- Finneran, J.J. 2016. Auditory weighting functions and TTS/PTS exposure functions for marine mammals exposed to underwater noise. Technical Report. San Diego: SPAWAR.
- Ford, J. 2014. Marine Mammals of British Columbia (6 ed.). Royal BC Museum.
- Ford, J.K.B, E.H. Stredulinsky, J.R. Towers and G.M. Ellis. 2013. Information in Support of the Identification of Critical Habitat for Transient Killer Whales (*Orcinus orca*) off the West Coast of Canada DFO Can. Sci. Advis. Sec. Res. Doc. 2012/155. v + 46 p
- Halvorsen, M. B., B.M. Casper, C.M. Woodley, T.J. Carlson, and A.N. Popper. 2012b. Threshold for onset of injury in Chinook salmon from exposure to impulsive pile driving sounds. *PLoS One* 7(6): e38968. <https://doi.org/10.1371/journal.pone.0038968>
- Halvorsen, M. B., B.M. Casper, F. Matthews, T.J. Carlson, and A.N. Popper. 2012a. Effects of exposure to piledriving sounds on the lake sturgeon, Nile tilapia and hogchoker. *Proceedings of the Royal Society of London B: Biological Sciences* 279 (1748): 4705-4714. <https://doi.org/10.1098/rspb.2012.1544>
- Hastings, M.C., and A.N. Popper. 2005. Effects of sound on fish. Prepared by Jones & Stokes for the California Department of Transportation: 82.
- Hemilä, S., Nummela, S., Berta, A., & Reuter, T. (2006). High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on inertial and cochlear constraints. *The Journal of the Acoustical Society of America*, 120(6), 3463–3466.
- Henderson, D., B. Hu, and E. Bielefeld. 2008. Patterns and mechanisms of noise-induced cochlear pathology. pp. 195-217 In Schacht, J., A.N. Popper, and R.R Fay (Eds.) *Auditory Trauma, Protection, and Repair*. New York: Springer.
- Holberton, R. L., B. Helmuth, B., and J.C. Wingfield. 1996. The corticosterone stress response in gentoo and king penguins during the non-fasting period. *The Condor* 98(4): 850-854.

- Hoelzel, A.R., Dorsey, E.M., & Stern, S.J. (1989). The foraging specializations of individual minke whales. *Animal Behaviour*, 38(5), 786–794.
- Houck, W.J., & Jefferson, T.A. (1999). Dall's Porpoise *Phocoenoides dalli* (True, 1885). In S. H. Ridgway & R. Harrison (Eds.), *Handbook of Marine Mammals: The Second Book of Dolphins and the Porpoises* (Vol. 6, pp. 443–472). New York: Academic Press.
- Huber, H.R., Rovetta, A.C., Fry, L.A., & Johnston, S. (1991). Age-Specific Natality of Northern Elephant Seals at the South Farallon Islands, California. *Journal of Mammalogy*, 72(3), 525–534.
- IWC (International Whaling Commission). 2012. Extracts from the IWC64 Scientific Committee report relevant to the WGWP. International Whaling Commission: 11.
- Jefferson, T.A. (1991). Observations on the distribution and behaviour of Dall's porpoise (*Phocoenoides dalli*) in Monterey Bay, California. *Aquatic Mammals*, 17(1), 12–19.
- Jefferson, T.A., Leatherwood, S., and Webber, M.A. (1993). *FAO species identification guide. Marine mammals of the world*. Rome: Food and Agricultural Organization of the United Nations.
- Jefferson, T.A., Webber, M.A., & Pitman, R. (2015). *Marine mammals of the world: A comprehensive guide to their identification*. (2nd ed.). London, England: Academic Press.
- Jefferson, T.A., Smultea, M.A., Courbis, S.S., & Campbell, G.S. (2016). Harbor porpoise (*Phocoena phocoena*) recovery in the inland waters of Washington: estimates of density and abundance from aerial surveys, 2013–2015. *Canadian Journal of Zoology*, 94(7), 505–515.
- Jeffries, S.J., Gearin, P.J., Huber, H.R., Saul, D.L., & Pruett, D.A. (2000). *Atlas of seal and sea lion haulout sites in Washington*. Washington State Department of Fish and Wildlife, Wildlife Science Division, Olympia, WA. http://wdfw.wa.gov/wlm/research/papers/seal_haulout/
- Jorgenson, J.K., and E.C. Gyselman. 2009. Hydroacoustic measurements of the behavioral response of arctic riverine fishes to seismic airguns. *Journal of the Acoustical Society of America* 126 (3):1598-1606.
- Kastak, D., J. Mulsow, A. Ghoul, and C. Reichmuth. 2008. Noise-induced permanent threshold shift in a harbor seal: Abstract. *Journal of the Acoustical Society of America* 123:2986.
- Kastelein, R.A., J. Schop, R. Gransier, and L. Hoek. 2014. Frequency of greatest temporary hearing threshold shift in harbor porpoise (*Phocoena phocoena*) depends on the noise level. *Journal of the Acoustical Society of America* 136:1410-1418.
- Kastelein, R.A., P. Wensveen, L. Hoek, and J.M. Terhune. 2009. Underwater hearing sensitivity of harbor seals (*Phoca vitulina*) for narrow noise bands between 0.2 and 80 kHz. *Journal of the Acoustical Society of America* 126 (1): 476-483.
- Krausman, P.R., L.K. Harris, C.L. Blasch, K.K.G. Koenen, and J. Francine. 2004. Effects of military operations on behavior and hearing of endangered Sonoran pronghorn. *Wildlife Monographs* 157: 1-41.

- Kryter, K.D., W.D. Ward, J.D. Miller, and D.H. Eldredge. 1966. Hazardous exposure to intermittent and steady-state noise. *Journal of the Acoustical Society of America* 39:451-464.
- Kuhn, C.E., & Costa, D.P. (2014). Interannual variation in the at-sea behavior of California sea lions (*Zalophus californianus*). *Marine Mammal Science*, 30, 1297–1319.
<https://doi.org/10.1111/mms.12110>
- Lankford, S. E., T.E Adams, R.A. Miller, and J.J. Cech Jr. 2005. The cost of chronic stress: impacts of a nonhabituating stress response on metabolic variables and swimming performance in sturgeon. *Physiological and Biochemical Zoology* 78 (4): 599-609. <https://doi.org/10.1086/430687>
- Lowry, M.S. and O. Maravilla-Chavez. 2005. Recent abundance of California sea lions in western Baja California, Mexico and the United States. In D. K. Garcelon and C. A. Schwemm (Eds.) *Proceedings of the Sixth California Islands Symposium*, Ventura, California, December 1-3, 2003 (pp. 485-497). National Park Service Technical Publication CHIS-05-01, Institute for Wildlife Studies, Arcata, California.
- Lowry, M.S., & Forney, K.A. (2005). Abundance and distribution of California sea lions (*Zalophus californianus*) in central and northern California during 1998 and summer 1999. *Fishery Bulletin*, 103, 331–343.
- Lowry, M.S., Melin, S.R., & Laake, J.L. (2017). *Breeding season distribution and population growth of California sea lions, Zalophus californianus, in the United States during 1964–2014*. NOAA Technical Memorandum NMFS-SWFSC-574. La Jolla, CA: National Oceanic and Atmospheric Administration.
- Lusseau, D. and L. Bejder. 2007. The long-term consequences of short-term responses to disturbance experiences from whale watching impact assessment. *International Journal of Comparative Psychology* 201(2-3):228-236
- Madsen, P.T., M. Johnson, P.J.O. Miller, N.A. Soto, J. Lynch, and P. Tyack. 2006. Quantitative measures of air-gun pulses recorded on sperm whales (*Physeter macrocephalus*) using acoustic tags during controlled exposure experiments. *Journal of the Acoustical Society of America* 120(4):2366-2379.
- Mate, B., Bradford, A., Tsidulko, G., Vertyankin, V., & Ilyashenko, V. (2011). *Late-feeding season movements of a western North Pacific gray whale off Sakhalin Island, Russia and subsequent migration into the Eastern North Pacific*. Paper presented to the International Whaling Commission-Scientific Committee, Tromso, Norway.
- Melin, S.R., Delong, R.L., Thomason, J.R., & Vanblaricom, G.R. (2000). Attendance patterns of California sea lion (*Zalophus californianus*) females and pups during the non-breeding season at San Miguel Island. *Marine Mammal Science*, 16, 169–185. <https://doi.org/10.1111/j.1748-7692.2000.tb00911.x>
- Miller, J.D. 1974. Effects of noise on people. *Journal of the Acoustical Society of America* 56:729-764.
- Moberg, G.P. 2000. Biological response to stress: Implications for animal welfare. Pages 1-21 in G.P.

Moberg and J.A. Mench, eds. *The Biology of Animal Stress: Basic Principles and Implications for Animal Welfare*. CABI Publishing, Oxon, United Kingdom.

Morejohn, G.V. (1979). The natural history of Dall's porpoise in the North Pacific Ocean. In H.E. Winn & B.L. Olla (Eds.), *Behavior of marine animals* (pp. 45–83). Springer.

National Research Council (NRC). (2003). Ocean noise and marine mammals. Washington, DC: National Research Council Committee on Potential Impacts of Ambient Noise in the Ocean on Marine Mammals; The National Academies Press.

NRC. (2005). *Marine Mammal Populations and Ocean Noise: Determining When Noise Causes Biologically Significant Effects*. Washington, D.C.: The National Academies Press.

Navy (2014). Naval Magazine Indian Island Ammunition Wharf Piling Replacement Marine Mammal Monitoring Report October 7, 2014 – December 30, 2014. Naval Magazine Indian Island. Submitted to the NMFS. 6 pp.

Navy. (2015). *Proxy source sound levels and potential bubble curtain attenuation for acoustic modeling of nearshore marine pile driving at Navy installations in Puget Sound*. Navy Facilities Engineering Command Northwest, Silverdale, WA. Revised January 2015.

Navy. (2016). Ammunition Wharf Piling Replacement project at Naval Magazine (NAVMAG) Indian Island, Marine Mammal Monitoring Report .Naval Magazine Indian Island. Submitted to the NMFS. 11 pp.

Navy. (2021). Marine Mammal Monitoring at Ammunition Pier Repair Project, Naval Magazine Indian Island (NAVFAC project no. B6BDNS). 2020 Monitoring report prepared by Harris Environmental Group, Inc. for NAVFAC NW, Silverdale, WA. 60 pp.

Naval Facilities Engineering Command Southwest (NAVFAC SW). 2020. Compendium of Underwater and Airborne Sound Data During Pile Installation and In-Water Demolition Activities in San Diego Bay, California. October 2020. Prepared by Tierra Data, Inc. 112 pp.

Nedwell, J. and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Li

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. (1997). Investigations of scientific information on the impacts of California sea lions and Pacific harbor seals on salmonids and on the coastal ecosystems of Washington, Oregon, and California. (NOAA Technical Memorandum NMFS-NWFSC-28). U.S. Department of Commerce, Washington, DC.

NMFS. (2018). Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. U.S. Department of Commerce, NOAA. NOAA Technical Memorandum NMFS- OPR-59, 178 p.

Nowacek, D.P., M.P. Johnson, and P.L. Tyack. 2004. North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. Proceedings of the Royal Society of London B: Biological Sciences 271(1536):227-231.

Nysewander, D.R., Evenson, J.R., Murphie, B.L., & Cyra, T.A. (2005). Report of marine bird and marine mammal component, Puget Sound Ambient Monitoring Program, for July 1992 to December 1999 period. Prepared for Washington State Department of Fish and Wildlife and Puget Sound Action Team, Olympia, Washington.

Oestman, R., D. Buehler, J. Reyff, and R. Rodkin. 2009. Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish. Prepared by ICF Jones & Stokes and Illingworth & Rodkin, Inc. for the California Department of Transportation: 298.

Orca Network, 2023. Accessed on 20 august 2023, available at: <https://indigo-ukulele-jm29.squarespace.com/sightings-report-archive>).

Osborne, R., Calambokidis, J., & Dorsey, E.M. (1988). *A Guide to Marine Mammals of Greater Puget Sound*. Anacortes, WA: Island Publishers. 191 pp.

Osmek, S. D., Calambokidis, J., Laake, J., Gearin, P., Delong, R., Scordino, J., Brown, R. F. (1996). *Assessment of the status of harbor porpoise (*Phocoena phocoena*) in Oregon and Washington Water*. (NOAA Technical Memorandum NMFS-AFSC-76). U. S. Department of Commerce.

Pearson, W.H., J.R. Skalski, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (*Sebastodes spp.*). Canadian Journal of Fisheries and Aquatic Sciences 49: 1343-1356. <https://doi.org/10.1139/f92-150>

Pena, H., N.O. Handegard, and E. Ona. 2013. Feeding herring schools do not react to seismic air gun surveys. ICES Journal of Marine Science 70 (6):1174-1180.

Popper, A.N. and M.C. Hastings. 2009. The effects of anthropogenic sources of sound on fishes. Journal of Fish Biology 75: 455–489. <https://doi.org/10.1111/j.1095-8649.2009.02319.x>

Raum-Suryan, K.L., & Harvey, J.T. (1998). Distribution, abundance, and habitat use of harbor porpoise (*Phocoena phocoena*) off the northern San Juan Islands, Washington. *Fishery Bulletin*, 96(4), 808–822.

Reeves, R.R., Stewart, B.S., Clapham, P.J., Powell, J.A. (2002). *National Audubon Society Guide to Marine Mammals of the World*. New York, NY: Alfred A. Knopf.

- Reichmuth, C. and M.M. Holt. 2013. Comparative assessment of amphibious hearing in pinnipeds. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural and Behavioral Physiology* 199(6): 491-507
- Reichmuth, C., A. Ghoul, J.M. Sillis, A. Rouse, and B.L. Southall. 2016. Low-frequency temporary threshold shift not observed in spotted or ringed seals exposed to single air gun impulses. *Journal of the Acoustical Society of America* 140:2648-2658.
- Richardson, S. (1997). *Washington State status report for the gray whale*. Olympia, Washington: Washington Department of Fish and Wildlife.
- Richardson, W.J., Greene, C.R., Jr., Malme, C.I., & Thomson, D.H. (1995). *Marine mammals and noise*. San Diego, CA: Academic Press.
- Robinson, P.W., Costa, D.P., Crocker, D.E., Gallo-Reynoso, J.P., Champagne, C.D., Fowler, M. A., Yoda, K. (2012). Foraging Behavior and Success of a Mesopelagic Predator in the Northeast Pacific Ocean: Insights from a Data-Rich Species, the Northern Elephant Seal. *PLoS One*, 7(5), e36728.
- Rolland, R. M., S. E. Parks, K. E. Hunt, M. Castellote, P. J. Corkeron, D. P. Nowacek, S. K. Wasserman, and S. D. Kraus. 2012. Evidence that ship noise increases stress in right whales. *Proceedings of the Royal Society B: Biological Sciences* 279 (1737): 2363–2368. <https://doi.org/10.1098/rspb.2011.2429>
- Romano, T. A., J.A. Olschowka, S.Y. Felten, V. Quaranta, S.H. Ridgway, and D.L. Felten. 2002b. Immune response, stress, and environment: Implications for cetaceans. Pages 253-279 In Molecular and Cell Biology of Marine Mammals. Krieger Publishing Co., Malabar, Florida.
- Romano, T., M. Keogh, and K. Danil. 2002a. Investigation of the effects of repeated chase and encirclement on the immune system of spotted dolphins (*Stenella attenuata*) in the eastern tropical Pacific. Administrative Report LJ-02-35C, National Marine Fisheries Service: 37.
- Romano, T.A., M.J. Keogh, C. Kelly, P. Feng, L. Berk, C.R. Schlundt, et al. 2004. Anthropogenic sound and marine mammal health: Measures of the nervous and immune systems before and after intense sound exposure. *Canadian Journal of Fisheries and Aquatic Sciences* 61:1124-1134. <https://doi.org/10.1139/f04-055>
- Scheffer, V.B., & Slipp, J.W. (1948). The whales and dolphins of Washington State with a key to the cetaceans of the west coast of North America. *American Midland Naturalist*, 39(2), 257–337.
- Schlundt, C.E., J.J. Finneran, D.A. Carder, and S.H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, *Tursiops truncatus*, and white whales, *Delphinapterus leucas*, after exposure to intense tones. *Journal of the Acoustical Society of America* 107:3496-3508.
- Scholik, Amy & Yan, Hong. (2001). Effects of underwater noise on auditory sensitivity of a cyprinid fish. *Hearing research*. 152. 17-24. 10.1016/S0378-5955(00)00213-6.

Scordino, J. (2006). *Steller sea lions (Eumetopias jubatus) of Oregon and Northern California: Seasonal haulout abundance patterns, movements of marked juveniles, and effects of hot-iron branding on apparent survival of pups at Rogue Reef*. (Master of Science), Oregon State University, Corvallis, OR.

Skalski, W.H. Pearson, C.I. Malme. 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (*Sebastodes* spp.) Can. J. Fish. Aquat. Sci., 49 pp. 1357-1365

Smultea, M.A., Jefferson, T.A., Courbis, S.S., Campbell, G., & Hopkins, J. (2015). Marine mammal aerial 7 surveys conducted in the Inland Puget Sound waters of Washington, summer 2013–spring 2015. Draft Final Report. Prepared for Commander, U.S. Pacific Fleet. Submitted to Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawaii under Contract No. N62470-10-D-3011, Task Order JP04 issued to HDR, Inc., San Diego, CA. 09 October 2015.

Smultea, M.A., K. Lomac-MacNair, G. Campbell, S. Courbis, and T.A. Jefferson, 2017. Aerial Surveys of Marine Mammals Conducted in the Inland Puget Sound Waters of Washington, Summer 2013 through Winter 2016. Final Report. Prepared by Smultea Sciences for Commander, U.S. Pacific Fleet and Naval Sea Systems Command. Submitted to Naval Facilities Engineering Command Northwest (NAVFAC NW), Pearl Harbor, Hawaii under Contract No. N62470-15-D-8006 issued to HDR, Inc., San Diego, CA. June 2017.

Southall, B.L., Bowles, A.E., Ellison, W.T., Finneran, J.J., Gentry, R.L., Green, G.R., Jr., Tyack, P.L. (2007). Marine mammal noise exposure criteria: Initial scientific recommendations. *Aquatic Mammals*, 33(4), 411–521.

Southall, B.L., Finneran, J.J., Reichmuth, C., Nachtigall, P.E., Ketten, D.R., Bowles, A.E., Ellison, W.T., Nowacek, D.P., and Tyack, P.L. (2019). Marine mammal noise exposure criteria: Updated Scientific Recommendations for Residual Hearing Effects. *Aquatic Mammals*, 45(2), 125–232.

Stern, S.J., Dorsey, E.M., and Case, V.L. (1990). Photographic catchability of individually identified minke whales (*Balaenoptera acutorostrata*) of the San Juan Islands, Washington and the Monterey Bay Area, California. *Reports of the International Whaling Commission*, 12, 127–133.

Stewart, B.S., & Huber, H.R. (1993). *Mirounga angustirostris*. *Mammalian Species*, 449, 1–10.

Stewart, B.S., & DeLong, R.L. (1995). Double migrations of the northern elephant seal, *Mirounga angustirostris*. *Journal of Mammalogy*, 76(1), 196–205.

Stout, H.A., Gustafson, R.G., Lenarz, W.H., McCain, B.B., Van Doonik, D.M., Builder, T.L., & Methot, R.D. (2001). *Status review of Pacific Herring in Puget Sound, Washington*. (NOAA Technical Memo. NMFS-NWFSC-45).
<http://www.nwfsc.noaa.gov/publications/techmemos/tm45/tm45.htm>

- Thorson, P., & Reyff, J. (2006). *San Francisco-Oakland Bay bridge east span seismic safety project marine mammals and acoustic monitoring for the marine foundations at piers E2 and T1*. California Department of Transportation. Retrieved from http://biomitigation.org/reports/files/Marine_Mammal_Piers_E2-T1_Report_0_17b1.pdf
- Urbán, R., Weller, D., Tyurneva, O., Swartz, S., Bradford, A., Yakovlev, Y., Burdin, A. (2013). Report on the photographic comparison of the Sakhalin Island and Kamchatka Peninsula with the Mexican gray whale catalogues. *Paper SC/65a/BRG04 presented to the International Whaling Commission Scientific Committee*.
- Ward, W.D. (1997). Effects of high intensity sound. In M. J. Crocker (Ed.) *Encyclopedia of acoustics*, (Volume III, pp. 1497–1507). New York: John Wiley & Sons.
- Ward, W.D. 1960. Recovery from high values of temporary threshold shift. *Journal of the Acoustical Society of America* 32:497-500.
- Ward, W.D., A. Glorig, and D.L. Sklar. 1958. Dependence of temporary threshold shift at 4 kc on intensity and time. *Journal of the Acoustical Society of America* 30:944-954.
- Ward, W.D., A. Glorig, and D.L. Sklar. 1959. Temporary threshold shift from octave-band noise: Application to damage-risk criteria. *Journal of the Acoustical Society of America* 31:522 528.
- Wardle, C.S., T.J. Carter, G.G. Urquhart, A.D.F. Johnstone, A.M. Ziolkowski, G. Hampson, and D. Mackie. 2001. Effects of seismic air guns on marine fish. *Continental Shelf Research* 21:1005-1027.
- Wartzok, D., Popper, A.N., Gordon, J., & Merrill, J. (2004). Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal*, 37(4), 6–15.
- WDFW (Washington Department of Fish and Wildlife). (2008). Marine Bird and Mammal Component, Puget Sound Ambient Monitoring Program (PSAMP), 1992–2008. WDFW Wildlife Resources Data Systems.
- WDFW. (2012). *Threatened and Endangered Wildlife in Washington: 2011 Annual Report*. Endangered Species Section, Wildlife Program. Olympia, WA. 180 pp.
- Weilgart, L.S. 2007. A brief review of known effects of noise on marine mammals. *International Journal of Comparative Psychology* 201(2-3):159-168.
- Weisse, M.J. and J.T. Harvey. (2008). Temporal variability in ocean climate and California sea lion diet and biomass consumption: implications for fisheries management. *Marine Ecology Progress Series*, 373, 157-172.
- Weitkamp, L.A., Wissmar, R.C., Simenstad, C.A., Fresh, K.L., & Odell, J.G. (1992). Gray whale foraging on ghost shrimp (*Callianassa californiensis*) in littoral sand flats of Puget Sound, U.S.A. *Canadian Journal of Zoology*, 70, 2275–2280.

- Weller, D.W., Klimek, A., Bradford, A.L., Calambokidis, J., Lang, A.R., Gisborne, B., Unzueta, A.G.-G. (2012). Movements of gray whales between the western and eastern North Pacific. *Endangered Species Research*, 18(3), 193–199.
- Williams, R., & Thomas, L. (2007). Distribution and abundance of marine mammals in the coastal waters of British Columbia, Canada. *Journal of Cetacean Research and Management*, 9(1), 15.
- Wright, B.W., Tennis, M.J., & Brown, R.F. (2010). Movements of male California sea lions captured in the Columbia River. *NW Science*, 84(1), 60–72.
- Yazvenko, S.B., T.L. McDonald, S.A. Blokhin, S.R. Johnson, H.R. Melton, M.W. Newcomer, et al. 2007. Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. *Environmental Monitoring and Assessment* 134(1-3):93-106.
- Zelick, R., and D.A. Mann. 1999. Acoustic communication in fishes and frogs. In: Fay, R.R. and A.N. Popper, eds. Comparative hearing: Fishes and amphibians. Springer-Verlag, New York.