REFERENCES - City of Cordova IHAs (Phases I and II)

- Ahroon, W.A., Hamernik, R.P., Lei, S.F., 1996. The effects of reverberant blast waves on the auditory system. The Journal of the Acoustical Society of America 100, 2247-2257.
- Alaska Department of Environmental Conservation (ADEC). 2022. Alaska DEC Seafood Processing. Accessed at https://www.arcgis.com/home/item.html?id=d686c1f3c1e54e7c910a55ca8c9f15b2 on May 17, 2022.
- Alaska Department of Fish and Game (ADF&G). 2022. Alaska Fish Resource Monitor Mapper. Accessed at https://adfg.maps.arcgis.com/apps/MapSeries/index.html?appid=a05883caa7ef4f7ba17c99274f2 c198f on May 6, 2022.
- ANSI, 1986. Methods of measurement for impulse noise, Acoustical Society of America, Woodbury, NY.
- ANSI, 1995. Bioacoustical terminology, Acoustical Society of America, Woodbury, NY.
- ANSI, 2005. Measurement of sound pressure levels in air
- Au, W.W., Hastings, M.C., 2008. Principles of Marine Bioacoustics. Springer.
- Blecha, F., 2000. Immune system response to stress, The biology of animal stress: basic principles and implications for animal welfare., CABI Publishing Wallingford UK, pp. 111-121.
- Buehler, D., R. Oestman, J. Reyff, K. Pommerenck, and B. Mitchell. 2015. Technical Guidance for Assessment and Mitigation of Hydroacoustic Effects of Pile Driving on Fish. Prepared for the California Department of Transportation. November 2015.
- CALTRANS, 2015. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish., In: Molnar, M., Buehler, D., R. Oestman, J. Reyff, K. Pommerenck, B. Mitchell. (Ed.), California Department of Transportation.
- CALTRANS, 2020. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish., In: Molnar, M., Buehler, D., R. Oestman, J. Reyff, K. Pommerenck, B. Mitchell. (Ed.), California Department of Transportation.
- Carlson, T., Woodruff, D., Johnson, G., Kohn, N., Ploskey, G., Weiland, M., Southard, J., Southard, S., 2005. Hydroacoustic measurements during pile driving at the Hood Canal Bridge, September through November 2004, Battelle Marine Sciences Laboratory Sequim, WA.
- Casper, B.M., Halvorsen, M.B., Matthews, F., Carlson, T.J., Popper, A.N., 2013. Recovery of barotrauma injuries resulting from exposure to pile driving sound in two sizes of hybrid striped bass. PloS one 8, e73844.

- Croll, D.A., Clark, C.W., Calambokidis, J., Ellison, W.T., Tershy, B.R., 2001. Effect of anthropogenic low-frequency noise on the foraging ecology of Balaenoptera whales. Animal Conservation 4, 13-27.
- Dahlheim, M.E., White, P.A. and Waite, J.M., 2009. Cetaceans of Southeast Alaska: distribution and seasonal occurrence. Journal of Biogeography, 36(3), pp.410-426.
- Denes, S.L., G.J. Warner, M.E. Austin and A.O. MacGillivray. 2016. Hydroacoustic Pile Driving Noise Study Comprehensive Report. Document 001285, Version 2.0. Technical report by JASCO Applied Sciences for Alaska Department of Transportation and Public Facilities.
- Denes, S.L., J. Vallarta, and D. Zeddies. 2019. Sound Source Characterization of Down-the-Hole Hammering: Thimble Shoal, Virginia. Document 001888, Version 2.0. Technical report by JASCO Applied Sciences for Chesapeake Tunnel Joint Venture.
- Ellison, W., Southall, B., Clark, C., Frankel, A., 2012. A new context-based approach to assess marine mammal behavioral responses to anthropogenic sounds. Conservation Biology 26, 21-28.Exxon Valdez Oil Spill Trustee Council. 2022. Status of Restoration: Killer Whales. Accessed at from https://evostc.state.ak.us/status-of-restoration/killer-whales/ on September 21, 2022.
- Everitt, R.D., C.H. Fiscus, and R.L. DeLong. 1980. Northern Puget Sound Marine Mammals. DOC/EPA Interagency Energy/ Environ. R&D Program. Doc. #EPA-6009/7-80-139, U.S. Environmental Protection Agency, Washington, D.C. 134 p.
- Fair, P.A., Becker, P.R., 2000. Review of stress in marine mammals. Journal of Aquatic Ecosystem Stress and Recovery 7, 335-354.
- Fall, J.A. and G. Zimpelman, editors. 2016. Update on the Status of Subsistence Uses in Exxon Valdez Oil Spill Area Communities, 2014. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 412, Anchorage.
- Fay, R.R., Popper, A.N., Webb, J.F., 2008. Introduction to fish bioacoustics. Fish Bioacoustics: With 81 Illustrations, 1-15.
- Fay, R., 2009. Soundscapes and the sense of hearing of fishes. Integrative Zoology 4, 26-32.
- Ferguson M.C., Curtice, C., and Harrison, J. 2015. Biologically Important Areas for Cetaceans Within U.S. Waters Gulf of Alaska Region. Aquatic Mammals, Vol. 41(1). pp. 65-78. DOI 10.1578/AM.41.1.2015.65.
- Fewtrell, J.L., McCauley, R.D., 2012. Impact of air gun noise on the behaviour of marine fish and squid. Marine Pollution Bulletin 64, 984-993.
- Finneran, J.J., Schlundt, C.E., Carder, D.A., Clark, J.A., Young, J.A., Gaspin, J.B., Ridgway, S.H., 2000. Auditory and Behavioral Responses of Bottlenose Dolphins (Tursiops truncatus) and a Belga Whale (Delphinapterus leucas) to Impulsive Sounds Resembling Distant Signatures of Underwater Explosions. J. Acoust. Soc. Am. 108, 417-431.

- Finneran, J.J., Schlundt, C.E., Dear, R., Carder, D.A., Ridgway, S.H., 2002. Temporary Shift in Masked Hearing Thresholds in Odontocetes After Exposure to Single Underwater Impulses From a Seismic Watergun. J. Acoust. Soc. Am. 111, 2929-2940.
- Finneran, J.J., Carder, D.A., Schlundt, C.E., Dear, R.L., 2010. Growth and recovery of temporary threshold shift at 3 kHz in bottlenose dolphins: Experimental data and mathematical models. The Journal of the Acoustical Society of America 127, 3256-3266.
- Finneran, J.J., Schlundt, C.E., 2013. Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (Tursiops truncatus). The Journal of the Acoustical Society of America 133, 1819-1826.
- Finneran, J.J., 2015. Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. The Journal of the Acoustical Society of America 138, 1702-1726.
- Ghebreghzabiher, A. 2017. SR 20/Coupeville Ferry Terminal Timber Towers Preservation Project Underwater Noise Monitoring Report. Prepared for Washington State Department of Transportation.
- Greenbusch Group. 2018. Pier 62 Project Draft Acoustic Monitoring Season 1 (2017/2018) Report.

 Prepared for City of Seattle Department of Transportation. April 9, 2018.
- Greenwood, S. 2022. Telephone communications between Sam Greenwood, City of Cordova Public Works Director, and Robin Reich, SolsticeAK, regarding marine mammals in Cordova Harbor during geotechnical effort on September 30, 2022.
- Guan, S., and Miner, R. (2020). Underwater noise characterization of down-the-hole pile driving activities off Biorka Island, Alaska. Marine Pollution Bulletin 160: 111664. doi.org/10.1016/j.marpolbul.2020.111664
- Halvorsen, M.B., Casper, B.M., Woodley, C.M., Carlson, T.J., Popper, A.N., 2012a. Threshold for onset of injury in Chinook salmon from exposure to impulsive pile driving sounds. PLoS One 7, e38968.
- Halvorsen, M.B., Zeddies, D.G., Ellison, W.T., Chicoine, D.R., Popper, A.N., 2012b. Effects of mid-frequency active sonar on hearing in fish. The Journal of the Acoustical Society of America 131, 599-607.
- Hastings, M.C., Popper, A.N., 2005. Effects of sound on fish, California Department of Transportation.
- 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, 3463-3466.
- Henderson, D., Hu, B., Bielefeld, E., 2008. Patterns and mechanisms of noise-induced cochlear pathology. Auditory trauma, protection, and repair, 195-217.

- Heyvaert, C., and J. Reyff. 2021. Tenakee Ferry Terminal Improvements Project; Pile Driving and Drilling Sound Source Verification, Tenakee Springs, Alaska. Technical report by Illingworth & Rodkin, Inc., Cotati, CA for the Alaska Department of Transportation and Public Facilities. 217 p.
- Holberton, R.L., Helmuth, B., Wingfield, J.C., 1996. The corticosterone stress response in gentoo and king penguins during the non-fasting period. Condor, 850-854.
- Hood, L.C., Boersma, P.D., Wingfield, J.C., 1998. The adrenocortical response to stress in incubating Magellanic penguins (*Spheniscus magellanicus*). The Auk 115, 76-84.
- Jemison L.A., G.W. Pendleton, L.W. Fritz, K.K. Hastings, J.M Maniscalco, A.W. Trites, and T.S. Gelatt. 2013. Inter-population movements of Steller sea lions in Alaska with implications for population separation. PLoS ONE 8:e70167.
- Jessop, T.S., Tucker, A.D., Limpus, C.J., Whittier, J.M., 2003. Interactions between ecology, demography, capture stress, and profiles of corticosterone and glucose in a free-living population of Australian freshwater crocodiles. General and comparative endocrinology 132, 161-170.
- Jorgenson, J.K., Gyselman, E.C., 2009. Hydroacoustic measurements of the behavioral response of arctic riverine fishes to seismic airguns. The Journal of the Acoustical Society of America 126, 1598-1606.
- Kastak, D., Mulsow, J., Ghoul, A., Reichmuth, C., 2008. Noise-induced permanent threshold shift in a harbor seal. The Journal of the Acoustical Society of America 123, 2986-2986.
- Kastelein, R.A., Wensveen, P., Hoek, L., Terhune, J.M., 2009. Underwater hearing sensitivity of harbor seals (*Phoca vitulina*) for narrow noise bands between 0.2 and 80 kHz. The Journal of the Acoustical Society of America 126, 476-483.
- Kastelein, R.A., Schop, J., Gransier, R., Hoek, L., 2014. Frequency of greatest temporary hearing threshold shift in harbor porpoises (*Phocoena phocoena*) depends on the noise level. The Journal of the Acoustical Society of America 136, 1410-1418.
- Kastelein, R.A., Gransier, R., Schop, J., Hoek, L., 2015. Effects of exposure to intermittent and continuous 6–7 kHz sonar sweeps on harbor porpoise (*Phocoena phocoena*) hearing. The Journal of the Acoustical Society of America 137, 1623-1633.
- Kastelein, R.A., Helder-Hoek, L., Cornelisse, S., Huijser, L.A., Gransier, R., 2019a. Temporary hearing threshold shift in harbor porpoises (*Phocoena phocoena*) due to one-sixth-octave noise band at 32 kHz. Aquatic Mammals 45, 549-562.
- Kastelein, R.A., Helder-Hoek, L., Cornelisse, S., Huijser, L.A., Terhune, J.M., 2019b. Temporary hearing threshold shift in harbor seals (Phoca vitulina) due to a one-sixth-octave noise band centered at 16 kHz. The Journal of the Acoustical Society of America 146, 3113-3122.
- Keating, J.M., D. Koster, and J.M. Van Lanen. 2020. Recovery of a Subsistence Way of Life: Assessments of Resource Harvests in Cordova, Chenega, Tatitlek, Port Graham, and Nanwalek,

- Alaska since the Exxon Valdez Oil Spill. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 471, Anchorage.
- Ketten, D.R., Simmons, J.A., Riquimaroux, H., Simmons, A.M., 2021. Functional analyses of peripheral auditory system adaptations for echolocation in air vs. water. Frontiers in Ecology and Evolution 9, 661216.
- Kryter, K.D., Ward, W.D., Miller, J.D., Eldredge, D.H., 1966. Hazardous exposure to intermittent and steady-state noise. The Journal of the Acoustical Society of America 39, 451-464.
- Lankford, S., Adams, T., Miller, R., Cech Jr, J., 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, 599-609.
- Lusseau, D., Bejder, L., 2007. The long-term consequences of short-term responses to disturbance experiences from whalewatching impact assessment. International Journal of Comparative Psychology 20.
- Madsen, P.T., Johnson, M., Miller, P., Aguilar Soto, N., Lynch, J., Tyack, P., 2006. Quantitative measures of air-gun pulses recorded on sperm whales (*Physeter macrocephalus*) using acoustic tags during controlled exposure experiments. The Journal of the Acoustical Society of America 120, 2366-2379.
- Matkin, C., J. Testa, G. Ellis, and E. Saulitis. 2014. Life history and population dynampics of southern Alaska resident killer whales (*Orcinus orca*). Marine Mammal Science. 30. 10.1111/mms.12049.
- Miller, J.D., 1974. Effects of noise on people. The Journal of the Acoustical Society of America 56, 729-764.
- Miner, R., 2020. Sound Source Verification Report: Gustavus Ferry Terminal Improvement, In: Construction, W.M. (Ed.), Robert Miner Dynamic Testing of Alaska Inc., Manchester, WA.
- Moberg, G.P., 1987. Influence of the adrenal axis upon the gonads. Oxford reviews of reproductive biology 9, 456-496.
- Moberg, G.P., 2000. Biological response to stress: Implications for animal welfare, in: Moberg, G.P., Mench, J.A. (Eds.), The biology of animal stress: Basic principles and implications for animal welfare, CABI, Wallingford, UK, pp. 1-21.
- Mooney, T.A., Nachtigall, P.E., Breese, M., Vlachos, S., Au, W.W., 2009. Predicting temporary threshold shifts in a bottlenose dolphin (Tursiops truncatus): The effects of noise level and duration. The Journal of the Acoustical Society of America 125, 1816-1826.
- Muto, M.M., V.T. Helker, B.J. Delean, N.C. Young, J.C. Freed, R.P. Angliss, N.A. Friday, P.L. Boveng, J.M. Breiwick, B.M. Brost, M.F. Cameron, P.J. Clapham, J.L. Crance, S.P. Dahle, M.E. Dahlheim, B.S. Fadely, M.C. Ferguson, L.W. Fritz, K.T. Goetz, R.C. Hobbs, Y.V. Ivashchenko, A.S. Kennedy, J.M. London, S.A. Mizroch, R.R. Ream, E.L. Richmond, K.E.W. Shelden, K.L.

- Sweeney, R.G. Towell, P.R. Wade, J.M. Waite, and A.N. Zerbini. 2022. Alaska marine mammal stock assessments, 2021. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-441, 295 p.
- Myers, H.J., D.W. Olsen, C.O. Matkin, L.A. Horstmann, and B. Konar. 2021. Passive acoustic monitoring of killer whales (*Orcinus orca*) reveals year-round distribution and residency patterns in the Gulf of Alaska. Sci Rep 11, 20284. Accessed at https://doi.org/10.1038/s41598-021-99668-0 on September 21, 2022
- Nachtigall, P.E., Supin, A.Y., Pacini, A.F., Kastelein, R.A., 2018. Four odontocete species change hearing levels when warned of impending loud sound. Integrative zoology 13, 160-165.
- Naval Facilities Engineering Systems Command (NAVFAC). 2013. Naval Base Kitsap at Bangor Trident Support Facilities Explosive Handling Wharf (EHW-2) Project Acoustic Monitoring Report. Revised May 2013.
- Naval Facilities Engineering Systems Command (NAVFAC). 2015. Proxy source sound levels and potential bubble curtain attenuation for acoustic modeling of nearshore marine pile driving at Navy installations in Puget Sound. Prepared by Michael Slater, Naval Surface Warfare Center, Carderock Division, and Sharon Rainsberry, Naval Facilities Engineering Command Northwest. Revised January 2015.
- Nedwell, J., Edwards, B., 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Littlehampton. Report by Subacoustech, Ltd. to David Wilson Homes Ltd.
- NIOSH, 1998. Criteria for a recommended standard: Occupational noise exposure., United States Department of Health and Human Services, Cincinnati, OH.
- NMFS, 2016. Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing: Underwater acoustic thresholds for onset of permanent and temporary threshold shifts, US Department of Commerce Washington, DC, p. 178.
- NMFS, 2018. 2018 revision to: Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing (version 2.0): Underwater thresholds for onset of permanent and temporary threshold shifts, National Oceanic and Atmospheric Administration, Silver Spring, MD.
- NMFS. 2022. Steller Sea Lion Species Profile. Accessed at https://www.fisheries.noaa.gov/species/steller-sea-lion on April 18, 2022.
- Nowacek, D.P., Johnson, M., Tyack, P., 2004. North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. Proc. R. Soc. Lond. B 271, 227-231.
- NRC, 2005. Marine mammal populations and ocean noise: determining when noise causes biologically significant effects. National Academies Press.
- Oestman, R., Buehler, D., Reyff, J., Rodkin, R., 2009. Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish. Prepared for California Department of Transportation.

- Olsen, D.W., C.O. Matkin, R.D. Andrews, and S. Atkinson. 2018. Seasonal and pod-specific differences in core use areas by resident killer whales in the Northern Gulf of Alaska. Deep-Sea Research Part II, http://dx.doi.org/10.1016/j.dsr2.2017.10.009.
- Paxton, A.B., Taylor, J.C., Nowacek, D.P., Dale, J., Cole, E., Voss, C.M., Peterson, C.H., 2017. Seismic survey noise disrupted fish use of a temperate reef. Marine Policy 78, 68-73.
- Pearson, W.H., Skalski, J.R., Malme, C.I., 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Sciences 49, 1343-1356.
- Poe, A.J., H.R. Gimblett, and M. Burcham. 2010. Evaluating the Subsistence Service Recovery: Spatial and Temporal Characterization of Prince William Sound Subsistence Harvest Activities, Exxon Valdez Oil Spill Restoration Project Final Report. USDA Forest Service, Chugach National Forest, Anchorage, Alaska.
- Popper, A.N., Hastings, M., 2009. The effects of anthropogenic sources of sound on fishes. Journal of fish biology 75, 455-489.
- Prince William Sound Science Center. 2022. Personal communications between Scott Pegau and Katrina Hoffman, Prince William Sound Science Center, and Natalie Kiley-Bergen, Solstice Alaska Consulting, regarding marine mammals expected in the Cordova Area on March 21, 2022
- Reichmuth, C., Holt, M.M., Mulsow, J., Sills, J.M., Southall, B.L., 2013. Comparative assessment of amphibious hearing in pinnipeds. Journal of Comparative Physiology A 199, 491-507.
- Reyff, J., and Heyvaert, C. 2019. White Pass & Yukon Railroad Mooring Dolphin Installation: Pile Driving and Drilling Sound Source Verification, Skagway, Alaska. Illingworth & Rodkin, Inc., Cotati, CA. 32 pp. + appendices.
- Reyff, J. (2020). Review of Down-the-Hole Rock Socket Drilling Acoustic Data Measured for White Pass and Yukon Route (WP&YR) Mooring Dolphins. Illingworth & Rodkin, Inc., Cotati, CA. 8 pp.
- Rice, A., Deecke, V.B., Ford, J.K., Pilkington, J.F., Oleson, E.M. and Hildebrand, J.A., 2017. Spatial and temporal occurrence of killer whale ecotypes off the outer coast of Washington State, USA. Marine Ecology Progress Series, 572, pp.255-268.
- Richardson, W.J., Greene Jr, C.R., Malme, C.I., Thomson, D.H., 1995. Marine Mammals and Noise. Academic press.
- Rolland, R.M., Parks, S.E., Hunt, K.E., Castellote, M., Corkeron, P.J., Nowacek, D.P., Wasser, S.K., Kraus, S.D., 2012. Evidence that ship noise increases stress in right whales. Proceedings of the Royal Society B: Biological Sciences 279, 2363-2368.
- Romano, T., Keogh, M., Danil, K., 2002a. Investigation of the effects of repeated chase and encirclement on the immune system of spotted dolphins (*Stenella attenuata*) in the Eastern Tropical Pacific, In: Service, N.M.F. (Ed.), National Oceanic and Atmospheric Administration.

- Romano, T.A., Olschowka, J., Felten, S., Quaranta, V., Ridgway, S., Felten, D., 2002b. Immune response, stress, and environment: Implications for cetaceans. Cell and Molecular Biology of Marine Mammals; CJ Pfeiffer, ed. Krieger Publishing Co., Inc.
- Romano, T., Keogh, M., Kelly, C., Feng, P., Berk, L., Schlundt, C., Carder, D., Finneran, J., 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.
- Santulli, A., Modica, A., Messina, C., Ceffa, L., Curatolo, A., Rivas, G., Fabi, G., D'Amelio, V., 1999. Biochemical responses of European sea bass (*Dicentrarchus labrax* L.) to the stress induced by off shore experimental seismic prospecting. Marine Pollution Bulletin 38, 1105-1114.
- Schinella, Tony. 2022. Personal communications with Tony Schinella, Cordova Harbor Master, and Natalie Kiley-Bergen, Solstice Alaska Consulting, regarding marine mammals expected in the Cordova Area on March 21, 2022.
- Schlundt, C.E., Finneran, J.J., Carder, D.A., Ridgway, S.H., 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, Tursiops truncatus, and white whales, Delphinapterus leucas, after exposure to intense tones. The Journal of the Acoustical Society of America 107, 3496-3508.
- Scholik, A.R., Yan, H.Y., 2001. The effects of underwater noise on auditory sensitivity of fish. Proceedings of the Institute of Acoustics 23, 27-36.
- Scholik, A.R., Yan, H.Y., 2002. The effects of noise on the auditory sensitivity of the bluegill sunfish, Lepomis macrochirus. Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology 133, 43-52.
- Selye, H., 1950. Stress and the general adaptation syndrome. British medical journal 1, 1383.
- Sinclair, E. H. and T.K. Zeppelin. 2002. Seasonal and spatial differences in diet in the western stock of Steller sea lions (*Eumetopias jubatus*). Journal of Mammalogy, 83(4), 973-990.
- Sinclair, E.H., D.S. Johnson, T.K. Zeppelin, and T.S. Gelatt. 2013. Decadal variation in the diet of western stock Steller sea lions (*Eumetopias jubatus*). U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-248, 67 p.
- Skalski, J.R., Pearson, W.H., Malme, C.I., 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Sciences 49, 1357-1365.
- Southall, B.L., Bowles, A.E., Ellison, W.T., Finneran, J.J., Gentry, R.L., Greene, C.R., Kastak, D., Ketten, D.R., Miller, J.H., Nachtigall, P.E., Richardson, W.J., Thomas, J.A., Tyack, P.L., 2007. Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations. Aquatic Mammals 33, 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., Tyack, P.L., 2019. Marine mammal noise exposure criteria: Updated scientific recommendations for residual hearing effects. Aquatic Mammals 45, 125-232.
- Southall, B.L., Nowacek, D.P., Bowles, A.E., Senigaglia, V., Bejder, L. and Tyack, P.L., 2021. Marine mammal noise exposure criteria: assessing the severity of marine mammal behavioral responses to human noise. Aquatic Mammals, 47(5), pp.421-464.
- Richardson, W., C. Greene, Jr., C. Malme, and D. Thomson. 1995. Marine species and noise. Academic Press, Inc., San Diego, CA.
- 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, January-September 2006. Prepared by SRS Technologies and Illingworth & Rodkin, Inc. for the California Department of Transportation 51.
- U.S. Navy. 2012. Naval Base Kitsap at Bangor Test Pile Program, Bangor, Washington. Final Marine Mammal Monitoring Report. Prepared for Naval Facilities Engineering Northwest.
- U.S. Navy. 2013. Naval Base Kitsap, Bangor Explosives Handling Wharf-2 acoustic monitoring report. Prepared by Illingworth and Rodkin, Inc. for the U.S. Navy.
- U.S. Navy. 2015. Proxy source sound levels and potential bubble curtain attenuation for acoustic modeling 8 of nearshore marine pile driving at Navy installations in Puget Sound. Navy Facilities Engineering 9 Command Northwest, Silverdale, WA. Revised January 2015.
- Ward, W.D., Glorig, A., Sklar, D., 1958. Dependence of temporary threshold shift at 4 kc on intensity and time. The Journal of the Acoustical Society of America 30, 944-954.
- Ward, W.D., Glorig, A., Sklar, D.L., 1959. Temporary threshold shift from octave-band noise: applications to damage-risk criteria. The Journal of the Acoustical Society of America 31, 522-528.
- Ward, W.D., 1960. Recovery from high values of temporary threshold shift. The Journal of the Acoustical Society of America 32, 497-500.
- Ward, W., 1997. Effects of high intensity sound, Pp, 1497-1507 in Encyclopedia of Acoustics, MJ Crocker, ed, New York: J. Wiley and Sons, Inc.
- Wardle, C., Carter, T., Urquhart, G., Johnstone, A., Ziolkowski, A., Hampson, G., Mackie, D., 2001. Effects of seismic air guns on marine fish. Continental shelf research 21, 1005-1027.
- Wartzok, D., Ketten, D.R., 1999. Marine mammal sensory systems. Biology of marine mammals 1, 117-175.
- Wartzok, D., Poppper, A., Gordon, J., Merrill, J., 2004. Factors affecting the responses of marine mammals to acoustic disturbance. Marine Technology Society Journal 37.

- Weilgart, L.S., 2007. The impacts of anthropogenic ocean noise on cetaceans and implications for management. Canadian journal of zoology 85, 1091-1116.
- Womble, J.N. and S.M. Gende. 2013. Post-breeding season migrations of a top predator, the harbor seal (*Phoca vitulina richardii*), from a marine protected area in Alaska. PLoS One 8(2): e55386.
- Yazvenko, S., McDonald, T., Blokhin, S., Johnson, S., Melton, H., Newcomer, M., Nielson, R., Wainwright, P., 2007. Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. Environmental Monitoring and Assessment 134, 93-106.
- Zelick, R., Mann, D.A., Popper, A.N., 1999. Acoustic communication in fishes and frogs, Comparative hearing: Fish and amphibians, Springer-Verlag, New York, NY, pp. 363-411.