## **References: Naval Facilities Engineering Command Northwest Maintenance and Pile Replacement Project**

- Agness, A.M., and B.R. Tannenbaum. 2009. Naval Base Kitsap at Bangor marine mammal resource report. Prepared by Science Applications International Corporation for BAE Systems Applied Technologies, Inc.
- 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.
- 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-SWFSC457, National Marine Fisheries Service: 60.
- Au, W.W.L. and M.C. Hastings. 2008. Principles of Marine Bioacoustics. Springer, New York.
- Baird, R.W., and L.M. Dill. 1996. Ecological and social determinants of group size in transient killer whales. Behavioral Ecology 7 (4):408-416. Beauchamp and Livoreil, 1997;
- Bejder, L., A. Samuels, H. Whitehead, N. Gales, J. Mann, R. Connor, et al. 2006. Decline in relative abundance of bottlenose dolphins exposed to long-term disturbance. Conservation Biology 20 (6):1791-1798.
- Bejder, L., A. Samuels, H. Whitehead, H. Finn, and S. Allen. 2009. Impact assessment research: Use and misuse of habituation, sensitisation and tolerance in describing wildlife responses to anthropogenic stimuli. Marine Ecology Progress Series 395:177-185.
- Blackwell, S.B., J.W. Lawson, and M.T. Williams. 2004. Tolerance by ringed seals (Phoca hispida) to impact pipe-driving and construction sounds at an oil production island. Journal of the Acoustical Society of America 115 (5):2346-2357.
- Blecha, F. 2000. Immune system response to stress. Pages 111-122 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.
- Bowles, A.E., M. Smultea, B. Wursig, D.P. DeMaster, and D. Palka. 1994. Relative abundance and behavior of marine mammals exposed to transmissions from the Heard Island feasibility test. Journal of the Acoustical Society of America 96 (4):2469-2484.
- Bradshaw, C.J.A., S. Boutin, and D.M. Hebert. 1998. Energetic implications of disturbance caused by petroleum exploration to woodland caribou. Canadian Journal of Zoology 76 (7):1319-1324.

- Calambokidis, J., and R.W. Baird. 1994. Status of marine mammals in the Strait of Georgia, Puget Sound and the Juan de Fuca Strait and potential human impacts. Pages 282-300 in Wilson, Beamish, Aitkens, and Bell, eds. Review of the Marine Environment and Biota of Strait of Georgia, Puget Sound and Juan de Fuca Strait. Washington Symposium on the Marine Environment.
- Calambokidis, J. 2010. Personal communication with B. Tannenbaum, Science Applications International Corporation, re: marine mammal occurrence in Hood Canal.
- Calambokidis, J. 2017. Study of seasonal resident gray whales feeding strategy in N Puget Sound, WA in 2016. Contract report for Cooperative Agreement CA-16-320.
- Carretta, James V., Erin M. Oleson, Karin A. Forney, David W. Weller, Aimée R. Lang, Jason Baker, Anthony J. Orr, Brad Hanson, Jay Barlow, Jeffrey E. Moore, Megan Wallen, and Robert L. Brownell Jr. 2023. U.S. Pacific marine mammal stock assessments: 2022. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-SWFSC-684. https://doi.org/10.25923/5ysf-gt95
- Carlson, T.J., D.L. Woodruff, G.E. Johnson, N.P. Kohn, G.R. Ploskey, M.A. Weiland, et al. 2005. Hydroacoustic measurements during pile driving at the Hood Canal Bridge, September through November 2004. PNWD-3621, Prepared by Battelle Marine Sciences Laboratory for the Washington State Department of Transportation: 165.
- Cascadia Research. 2016. Examination of dead humpback whale Bremerton, 4 June 2016. Olympia, WA: Retrieved from www.cascadiaresearch.org/washingtonstatestrandingresponse/examination-dead-humpback-whale-bremerton-4-June-2016.
- Casper, B.M., M.B. Halvorsen, F. Matthews, T.J. Carlson, and A.N. Popper. 2013. Recovery of barotrauma injuries resulting from exposure to pile driving sound in two sizes of hybrid striped bass. PLoS ONE 8 (9):e73844.
- Castellote M., C.W. Clark, M.O. Lammers. 2012. Acoustic and behavioral changes by fin whale (*Balaenoptera physalus*) in response to shipping and airgun noise. Biological Conservation. 147(1): 115 122.
- Cerchio. S., S. Strindberg, T. Collions. C. Bennett, H. Rosenbaum. 2014. Seismic surveys negatively affect humpback whale singing activity off northern Angola. PloS One. <u>https://doi.org/10.1371/journal.pone.0086464</u>
- Connor, R. and M.R. Heithaus. 1996. Approach by great white shark elicits flight response in bottlenose dolphins. Marine mammal science 12(4): 602-606.
- Costa, D.P., D.E. Crocker, J. Gedamke, P.M. Webb, D.S. Houser, S.B. Blackwell, et al. 2003. The effect of a low-frequency sound source (acoustic thermometry of the ocean climate)

on the diving behavior of juvenile northern elephant seals, Mirounga angustirostris. Journal of the Acoustical Society of America 113 (2):1155-1165.

- 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.
- Daan, S., C. Deerenberg, and C. Dijkstra. 1996. Increased daily work precipitates natural death in the kestrel. Journal of Animal Ecology 65 (5):6.
- Department of Navy (DoN). 2021. Marine mammal monitoring report Year 1 final report. P-834 Seawolf Class Service Pier Extension, Naval Base Kitsap, Bangor, Washington. Prepared for Naval Facilities Engineering Command Northwest by Azura Consulting LLC under subcontract to Saltwater Inc.
- Department of Navy (DoN). 2022. Marine mammal monitoring report Year 2 report. P-834 Seawolf Class Service Pier Extension, Naval Base Kitsap, Bangor, Washington. Prepared for Naval Facilities Engineering Command Northwest by Azura Consulting LLC under subcontract to Saltwater Inc.
- Elliser, C.R. and A. Hall. 2021. Return of the Salish Sea Harbor Porpoise, *Phocoena phocoena*: Knowledge gaps, current research, and what we need to do protect their future. Frontiers in Marine Science. 8: 1-18.
- 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.
- 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.
- Evans, D.L. and G.R. England. 2001. Joint interim report: Bahamas marine mammal stranding event of 15-16 March 2000. U.S. Navy and National Marine Fisheries Service: 66.
- 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.
- Fay, R.R., A.N. Popper, and J.F. Webb. 2008. Introduction to fish bioacoustics. In: Webb, J.F., R.R. Fay, and A.N. Popper, eds. Fish Bioacoustics. Springer Handbook of Auditory Research 32:1-15.
- Fay, R.R. 2009. Soundscapes and the sense of hearing of fishes. Integrative Zoology 4: 26-32.

- 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: 984-993.
- 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., R. Dear, D.A. Carder, and S.H. Ridgway. 2003. Auditory and behavioral responses of California sea lions (Zalophus californianus) to single underwater impulses from an arc-gap transducer. Journal of the Acoustical Society of America 114 (3):1667.
- Finneran, J.J. 2016. Auditory weighting functions and TTS/PTS exposure functions for marine mammals exposed to underwater noise. Technical Report. San Diego: SPAWAR.
- 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 (3):1702-1726.
- Foote, A.D., R.W. Osborne, and A.R. Hoelzel. 2004. Whale-call response to masking boat noise. Nature 428:910.
- Frankel, A.S. and C.W. Clark. 2000. Behavioral responses of humpback whales (Megaptera novaeangliae) to full-scale ATOC signals. Journal of the Acoustical Society of America 108 (4):1930-1937
- Fristrup, K.M., L.T. Hatch, and C.W. Clark. 2003. Variation in humpback whale (Megaptera novaeangliae) song length in relation to low-frequency sound broadcasts. Journal of the Acoustical Society of America 113 (6):3411-3424.
- Fritz, H., M. Guillemain, and D. Durant. 2002. The cost of vigilance for intake rate in the mallard (Anas platyrhynchos): An approach through foraging experiments. Ethology, Ecology and Evolution 14 (2):91-97.
- Ford, J.K. and R.R. Reeves. 2008. Fight or flight: antipredator strategies of baleen whales. Mammal Review. 38(1):50-86.

- Gailey, G., B. Wursig, and T.L. McDonald. 2007. Abundance, behavior, and movement patterns of western gray whales in relation to a 3-D seismic survey, northeast Sakhalin Island, Russia. Environmental Monitoring and Assessment 134 (1-3):75-91.
- Gless, E.J. and J. Kreiger. 2023. Pacific Whale Watching Association 2022 Sightings and Sentinel Actions Report. Pacific Whale Watch Association. 34 p. <u>PWWA 2022 Sightings</u> <u>& Sentinel Actions (squarespace.com)</u>
- Goldbogen, J.A., J. Calambokidis, A.S. Friedlaender, J. Francis, S.L. Deruiter, A.K. Stimpert, et al. 2013a. Underwater acrobatics by the world's largest predator: 360° rolling manoeuvres by lunge-feeding blue whales. Biology Letters 9 (1):Article 20120986.
- Goold, J.C. 1996. Acoustic assessment of populations of common dolphin Delphinus delphis in conjunction with seismic surveying. Journal of the Marine Biological Association of the United Kingdom 76 (3):811-820.
- Greenbusch Group, Inc. 2019. Pier 62 Project. Acoustic Monitoring Season 2 (2018/2019) Report (NWS-2016-296-WRD, WCR-2018-9367, WCR-2018.10166, 01EWF00-2016-F-1325. Seattle, Washington.
- Halvorsen, M.B., D.G. Zeddies, W.T. Ellison, D.R. Chicoine, and A.N. Popper. 2012a. Effects of mid-frequency active sonar on hearing in fish. Journal of the Acoustical Society of America 131 (1):599-607.
- 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).
- Hamer Environmental L.P. 2021. Marine Mammal Monitoring Report. Bangor Naval Base Explosives Handling Wharf (EHW-1) Pile Replacement Project. Prepared for US Navy Region Northwest. Silverdale, Washington.
- Harrington, F.H. and A.M. Veitch. 1992. Calving success of woodland caribou exposed to lowlevel jet fighter overflights. Arctic 45 (3):213-218
- 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., and T. Reuter. 2006; High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on intertial 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.

- HDR. 2012. Naval Base Kitsap at Bangor Test Pile Program, Bangor, Washington. Final Marine Mammal Monitoring Report. Prepared for Naval Facilities Engineering Northwest.
- Holberton, R.L., B. Helmuth, and J.C. Wingfield. 1996. The corticosterone stress response in gentoo and king penguins during the non-fasting period. Condor 98 (4):850-854.
- Hood, L.C., P.D. Boersma, and J.C. Wingfield. 1998. The adrenocortical response to stress in incubating Magellanic penguins (Spheniscus magellanicus). Auk 115 (1):76-84.
- Houghton, J., R.W. Baird, C.K. Emmons, and M.B. Hanson. 2015. Changes in the occurrence and behavior of mammal-eating killer whales in southern British Columbia and Washington State, 1987-2010. Northwest Science 89 (2):154-169.
- Isojunno, S. K. Aoki, C. Cure, P.H. Kvadsheim, P.J. O'Malley Miller. 2018. Breathing Patterns Indicate Cost of Exercise during diving and response to experimental sound exposures in long-finned pilot whales. Fron Phsyol. 2018 Oct 25:9:1462. doi: 10.3389/fphys.2018.01462. eCollection 2018.
- Jeffries, S.J., P.J. Gearin, H.R. Huber, D.L. Saul, and D.A. Pruett. 2000. Atlas of seal and sea lion haulout sites in Washington. Washington Department of Fish and Wildlife.
- Jessop, T.S., A.D. Tucker, C.J. Limpus, and J.M. Whittier. 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 (1):161-170.
- 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., Mulsow, J., Ghoul, A. and Reichmuth, C., 2008. Noise-induced permanent threshold shift in a harbor seal. The Journal of the Acoustical Society of America, 123(5), pp.29862986.
- Kastelein, R.A., W.C. Verboom, M. Muijsers, N.V. Jennings, and S. Van der Heul. 2005. The influence of acoustic emissions for underwater data transmission on the behavior of harbour porpoises (Phocoena phocoena) in a floating pen. Marine Environmental Research 59:287307.
- Kastelein, R.A., N. Jennings, W.C. Verboom, D. de Haan, and N.M. Schooneman. 2006. Differences in the response of a striped dolphin (Stenella coeruleoalba) and a harbour porpoise (Phocoena phocoena) to an acoustic alarm. Marine Environmental Research 61 (3):363-378.

- Kastelein, R.A., Wensveen, P., Hoek, L., and Terhune, J.M. (2009). "Underwater hearing sensitivity of harbor seals (Phoca vitulina) for narrow noise bands between 0.2 and 80 kHz," J. Acoust. Soc. Am. 126, 476–483.
- 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, S. Van de Voorde, N. Jennings. 2018. Swimming Speed of harbor porpoise (*Phocoena phocoena*) during playbacks of offshore pile driving sounds. Aquatic Mammals. 44(1):92-99.

- 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 (3):451464.
- Lankford, S.E., T.E. Adams, R.A. Miller, and J.J. Cech. 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.
- Lerma, D. 2014. Naval Base Point Loma Fleet Logistics Center Fuel Pier Replacement Project: Acoustic, marine mammal, green sea turtle, and California least tern monitoring report. Prepared by Tierra Data Inc. for Naval Facilities Engineering Command Southwest: 250
- London, J.M. 2006. Harbor seals in Hood Canal: Predators and prey. Ph.D dissertation. University of Washington: 100.
- Lusseau, D. and L. Bejder. 2007. The long-term consequences of short-term responses to disturbance experiences from whalewatching 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.
- Malme, C.I., P.R. Miles, C.W. Clark, P. Tyack, and J.E. Bird. 1984. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior, phase II: January 1984 migration. Report No. 5586, Prepared by Bolt Beranek and Newman, Inc. for Minerals Management Service: 357.

- Martien, K. K., Taylor, B. L., Archer, F. I., Audley, K., Calambokidis, J., Cheeseman, T., De Weerdt, J., Frisch Jordán, A., Martínez-Loustalot, P., Ortega-Ortiz, C. D., Patterson, E. M., Ransome, N., Ruvelas, P., Urbán R., J., & Villegas-Zurita, F. (2021). Evaluation of Mexico Distinct Population Segment of humpback whales as units under the Marine Mammal Protection Act (NOAA Technical Memorandum NMFS-SWFSC-658). U.S. Department of Commerce. https://doi.org/10.25923/nvw1-mz45
- Melcón, M. L., A. J. Cummins, S. M. Kerosky, L. K. Roche, S. M. Wiggins, and J. A. Hildebrand. (2012). Blue whales respond to anthropogenic noise. PLoS ONE, 7(2).
- Miller, J.D. 1974. Effects of noise on people. Journal of the Acoustical Society of America 56 (3):729-764.
- Miller, P.J.O., N. Biassoni, A. Samuels, and P.L. Tyack. 2000. Whale songs lengthen in response to sonar. Nature 405 (6789):903.
- Moberg, G.P. 1987. Influence of the adrenal axis upon the gonads. Pages 456-496 in J. Clarke, ed. Oxford Reviews in Reproductive Biology. Oxford University Press, New York, New York.
- 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.
- Morton, A.B. and H.K. Symonds. 2002. Displacement of Orcinus orca (L.) by high amplitude sound in British Columbia, Canada. ICES Journal of Marine Science 59 (1):71-80.
- 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: Puget Sound Naval Shipyard Intermediate Maintenance Facility Pier 6 Fender Pile Replacement Project Acoustic Monitoring Results. (NSWCCD-73-TR-2016/553). Naval Surface Warfare Center, Carderock Division, Signature Measurement and Systems Division, West Bethesda, MD. May
- Navy. 2019. U.S. Navy Marine Species Density Database Phase III for the Northwest Training and Testing Study Area. NAVFAC Pacific Technical Report. Naval Facilities Engineering Command Pacific, Pearl Harbor, HI. 262 pp.
- Navy. 2023. Summary of weekly marine mammal surveys at Navy Region Northwest Installations: 2008-2022. Navy Facilities Engineering Command Northwest, Silverdale, WA. 113 pp.

- 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. (2006). Designation of Critical Habitat for Southern Resident Killer Whales: Biological Report. October 2006. National Marine Fisheries Service, Northwest Region, Seattle, WA.
- NMFS. (2018a). Revision to 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. Dept. of Commerce, NOAA. NOAA Technical Memorandum NMFS-OPR-59, 178 p.
- NMFS. 2019. Reviewing and designating stocks and issuing Stock Assessment Reports under the Marine Mammal Protection Act. National Marine Fisheries Service Procedure 02-204-03.
- NMFS. 2022b. Evaluation of MMPA Stock Designation for the Mexico Distinct Population Segment of humpback whales (Megaptera novaeangliae), currently a part of the California/Oregon/Washington and Central North Pacific (CNP) humpback whale stocks. National Marine Fisheries Service Memorandum for the Record: Management Considerations in Designating Demographically Independent Populations as Stocks under the Marine Mammal Protection Act.
- NMFS. 2022c. Evaluation of MMPA Stock Designation for the Hawai'i Distinct Population Segment of humpback whales (Megaptera novaeangliae), currently a part of the Central North Pacific humpback whale stock. Memorandum for the Record: Management Considerations in Designating Demographically Independent Populations as Stocks under the Marine Mammal Protection Act.
- NMFS. 2023a. Guidelines for Preparing Stock Assessment Reports Pursuant to the Marine Mammal Protection Act. Protected Resources Policy Directive 02-204-01. Available online: https://www.fisheries.noaa.gov/s3/2023-05/02-204-01-Final-GAMMS-IVRevisions-clean-1-kdr.pdf. Accessed May 2023.
- Nedwell, J. and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Littlehampton. Report No. 513R0108, Prepared by Subacoustech, Ltd. for David Wilson Homes, Ltd.: 28.
- Ng, S.L. and S. Leung. 2003. Behavioral response of Indo-Pacific humpback dolphin (Sousa chinensis) to vessel traffic. Marine Environmental Research 56 (5):555-567.
- NRC (National Research Council). 2003. Ocean noise and marine mammals. National Academy of Sciences: 220.

- NRC. 2005. Marine mammal populations and ocean noise: Determining when noise causes biologically significant effects. National Academy of Sciences: 142.
- 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 Series B Biological Sciences 271 (1536):227-231.
- Nowacek, D.P., L.H. Thorne, D.W. Johnston, and P.L. Tyack. 2007. Responses of cetaceans to anthropogenic noise. Mammal Review 37 (2):81-115.
- Nysewander, D.R., J.R. Evenson, B.L. Murphie, and T.A. Cyra. 2005. Report of marine bird and marine mammal component, Puget Sound Ambient Monitoring Program, for July 1992 to December 1999 period. Washington State Department of Fish and Wildlife, Wildlife Management Program: 194.
- 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. (2024). Sightings Archives—various months in 2017, 2022, 2023, and 2024. Orca Network. Retrieved from http://www.orcanetwork.org/Archives/index.php?categories\_file=Sightings%20Archives %20Home. (Accessed January 2024).
- Parks, S.E., C.W. Clark, and P.L. Tyack. 2007. Short- and long-term changes in right whale calling behavior: The potential effects of noise on acoustic communication. Journal of the Acoustical Society of America 122 (6):3725-3731.
- Paxton, A.B., J.C. Taylor, D.P. Nowacek, J. Dale, E. Cole, C.M. Voss, and C.H. Peterson. 2017. Seismic survey noise disrupted fish use of a temperate reef. Marine Policy 78: 68-73.
- Pearson, W.H., J.R. Skalski, and C.I. Malme. 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.
- 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 (3):455-489.
- Purser, J. and A.N. Radford. 2011. Acoustic noise induces attention shifts and reduces foraging performance in three-spined sticklebacks (Gasterosteus aculeatus). PLoS ONE 6 (2):e17478.

- Reichmuth, C. and M.M. Holt., J. Mulsow, J.M. Sills, and B.L. Southall. 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. Sills, 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 (4):2646.
- Richardson, W.J., C.R. Greene, C.I. Malme, and D.H. Thomson. 1995. Marine Mammals and Noise. Academic Press, Inc., San Diego, California.
- Ridgway, S.H., D.A. Carder, R.R. Smith, T. Kamolnick, C.E. Schlundt, and W.R. Elsberry. 1997. Behavioral responses and temporary shift in masked hearing threshold of bottlenose dolphins, Tursiops truncatus, to 1-second tones of 141 to 201 dB re 1 μPa. Technical Report 1751, Naval Command, Control and Ocean Surveillance Center: 32.
- Rolland, R.M., S.E. Parks, K.E. Hunt, M. Castellote, P.J. Corkeron, D.P. Nowacek, et al. 2012. Evidence that ship noise increases stress in right whales. Proceedings of the Royal Society of London Series B Biological Sciences 279 (1737):2363-2368.
- 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., D.L. Felten, S.Y. Stevens, J.A. Olschowka, V. Quaranta, and S.H. Ridgway.
  2002b. Immune response, stress, and environment: Implications for cetaceans. Pages 253-279 in C.J. Pfeiffer, ed. Molecular and Cell Biology of Marine Mammals. Krieger
  Publishing Co., Malabar, Florida.
- 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.
- Rone, B.K., A.N. Zerbini, E.A. Falcone, E.L. Keene, and G.S. Schorr. 2024. Distribution, abundance, and density of harbor porpoises in Hood Canal, Washington. The Journal of Wildlife Management: 1-18.
- Sandoval, K., E. Hall, and C. Anderson. 2022. Bangor Service Pier B710 Pile Replacement Project Marine Mammal Monitoring Report. Naval Base Kitsap Bangor. Silverdale Washington.

- Sandoval, K. and G. Johnson. 2022. Pier B213 Fender Pile Replacement Project Marine Mammal Monitoring Report. Manchester Fuel Depot Manchester, Washington NAVFAC work order no. BDFVNY Contract no. N44255-17-D-4015/N44255-20-F-4183.
- Santulli, A., A. Modica, C. Messina, L. Ceffa, A. Curatolo, G. Rivas, et al. 1999. Biochemical responses of European sea bass (Dicentrarchus labrax L.) to the stress induced by offshore experimental seismic prospecting. Marine Pollution Bulletin 38 (12):1105-1114.
- 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, A.R. and H.Y. Yan. 2001. The effects of underwater noise on auditory sensitivity of fish. Proceedings of the Institute of Acoustics 23 (4):27.
- Scholik, A.R. and H.Y. Yan. 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 (1):43-52.
- Seyle, H. 1950. Stress and the general adaptation syndrome. British Medical Journal June 17:1383-1392.
- Skalski, J.R., W.H. Pearson, and 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 (Sebastes spp.). Canadian Journal of Fisheries and Aquatic Sciences 49:1357-1365.
- 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 U.S. Pacific Fleet and Naval Sea Systems Command and submitted to Naval Facilities Engineering Command Northwest.
- Smultea, M.A., T.A. Jefferson, and R.S. Lane. 2022. Marine Mammal Occurrence, Distribution, and Behavior in the Inland Waters of Washington from Aerial Surveys, 2013 – 2016. Northwestern Naturalist. 103: 118 – 135.
- 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.
- 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.

- Stone, G.S., L. Cavagnaro, A. Hutt, S. Kraus, K. Baldwin, and J. Brown. 2000. Reactions of Hector's dolphins to acoustic gillnet pingers. New Zealand Department of Conservation: 28.
- Tannenbaum, B.R., M. Bhuthimethee, L. Delwiche, G. Vedera, and J.M. Wallin. 2009. Naval Base Kitsap at Bangor 2008 marine mammal survey report. Prepared by Science Applications International Corporation for BAE Systems Applied Technologies, Inc.
- Tannenbaum, B.R., W. Hafner, J.M. Wallin, L. Delwiche, and G. Vedera. 2011. Naval Base Kitsap at Bangor 2009-2010 marine mammal survey report. Prepared by Science Applications International Corporation for Naval Facilities Engineering Command Northwest.
- Teilmann, J., J. Tougaard, L.A. Miller, T. Kirketerp, K. Hansen, and S. Brando. 2006. Reactions of captive harbor porpoises (Phocoena phocoena) to pinger-like sounds. Marine Mammal Science 22 (2):240-260.
- Wade, P. 2021. Estimates of abundance and migratory destination for North Pacific humpback whales in both summer feeding areas and winter mating and calving areas. International Whaling Commission. SC/68c/IA/03. 32p. https://archive.iwc.int/. Waite, 2003.
- 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.
- 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. 1997. Effects of high-intensity sound. Pages 1497-1507 in M.J. Crocker, ed. Encyclopedia of Acoustics, Volume III. John Wiley & Sons, New York.
- 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. 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.
- Wartzok, D., A.N. Popper, J. Gordon, and J. Merrill. 2003. 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. Washington Department of Fish and Wildlife
- Wensveen, P.J., P.H. Kvadsheim, F.A. Lam, A.M. von Benda-Beckmann, L.D. Sivle, F.Visser, C. Cure, P.L. Tyack, and P.J.O. Miller. 2017. Lack of Behavioral Responses of Humpback Whales (Megaptera novaeangliae) indicate limited effectiveness of sonar mitigation. Journal of Experimental Biology. 222(22):4150-4161.
- 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.
- 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.
- Young, N.C., Brower, A.A., Muto, M.M., Freed, J.C., Angliss, R.P., Friday, N.A., Boveng, P.L., Brost, B.M., Cameron, M.F., Crance, J.L., Dahle, S.P., Fadely, B.S., Ferguson, M.C., Goetz, K.T., London, J.M., Oleson, E.MReam, R.R., Richmond, E.L., Shelden, K.E.W., Sweeney, K.L., Towell, R.G., Wade, P.R., Waite, J.M, & Zerbini, A.N. (2023). *Alaska Marine Mammal Stock Assessments, 2022.* U.S. Department of Commerce, NOAA Technical Memorandum NMFS-AFSC-474, 316 p.
- 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