

References
U.S. Navy Transit Protection Program Pier and Support Facilities Project
at Naval Base Kitsap Bangor

- Agness, A. M., & Tannenbaum, B. R. (2009). *Naval Base Kitsap at Bangor marine mammal resource report*. Prepared by Science Applications International Corporation, Bothell, WA. Prepared for BAE Systems Applied Technologies, Inc., Rockville, MD.
- 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.
- American National Standards Institute (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-SWFSC-457, National Marine Fisheries Service, 60 p.2
- American National Standards Institute. 1986. *Methods for measurement of impulse noise (ANSI S12.7-1986)*. New York: Acoustical Society of America.
- ANSI. 2005. *Measurement of Sound Pressure Levels in Air (ANSI S1.13-2005)*. Acoustical Society of America, Woodbury, NY.
- Baird, R. W. (2001). Status of harbour seals, *Phoca vitulina*, in Canada. *Canadian Field-Naturalist*, 115(4), 663–675.
- Baird, R. W., & Dill, L. M. (1995). Occurrence and behaviour of transient killer whales: Seasonal and pod-specific variability, foraging behaviour, and prey handling. *Canadian Journal of Zoology*, 73, 1300–1311.
- 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. 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.
- Brown, R. F., & Mate, B. R. (1983). Abundance, movements, and feeding habits of harbor seals, *Phoca vitulina*, at Netarts and Tillamook Bays, Oregon. *Fishery Bulletin*, 81(2), 291–301.
- Calambokidis, J. (2010). [John Calambokidis, senior marine mammal biologist and co-founder of Cascadia Research, Olympia, WA]. Personal communication with Bernice Tannenbaum, Senior Environmental Scientist, Science Applications International Corporation, re: marine mammal occurrence in Hood Canal. May 25, 2010.

- 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., Evenson, J. R., Cabbage, J. C., Gearin, P. J., & Osmeck, S. D. (1992). Harbor porpoise distribution and abundance off Oregon and Washington from aerial surveys in 1991. Cascadia Research Collective, National Marine Mammal Laboratory Alaska Fisheries Center National Marine Fisheries Service.
- 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.
- 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.
- Carretta, J.V., K.A. Forney, E.M. Oleson, D.W. Weller, A.R. Lang, J. Baker, M.M. Muto, B. Hanson, A.J. Orr, H. Huber, M.S. Lowry, J. Barlow, J.E. Moore, D. Lynch, L. Carswell, and R.L. Brownwell Jr. 2019. U.S. Pacific Marine Mammal Stock Assessments: 2018. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-617. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 382 p. Available online: <https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessment-reports-region>
- Carretta, J.V., K.A. Forney, E.M. Oleson, D.W. Weller, A.R. Lang, J. . Baker, M.M. Muto, B. Hanson, A.J. Orr, H. Huber, M.S. Lowry, J. Barlow, J.E. Moore, D. Lynch, L. Carswell, and R.L. Brownwell Jr. Unpublished. Draft U.S. Pacific Marine Mammal Stock Assessments: 2019. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-617. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 407 p. Available online: <https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessment-reports-region>
- 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.
- 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.
- Cott, P.A., A.N. Popper, D.A. Mann, J.K. Jorgenson, and B.W. Hanna. 2012. Impacts of river-based air gun seismic activity on northern fishes. *Advances in Experimental Medicine and Biology* 730:367-369.

- 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
- Everitt, R. D., Fiscus, C. H., & DeLong, R. L. (1979). 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.
- Everitt, R.D., C.H. Fiscus, and R.L. DeLong. 1980. Northern Puget Sound marine mammals. Interagency Energy/Environment R&D Program Report EPA-600/7-80-139, Prepared by National Marine Fisheries Service for Environmental Protection Agency 150p. 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.
- 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.
- 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., 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.
- 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.
- Ford, J. K. (1991). Vocal traditions among resident killer whales (*Orcinus orca*) in coastal waters of British Columbia. *Canadian Journal of Zoology*, **69**(6), 1454–1483.
- 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.

- Gilbert, J. R., & Guldager, N. (1998). *Status of harbor and gray seal populations in northern New England*. Prepared by University of Maine, Department of Wildlife Ecology, Orono, ME. Prepared for National Marine Fisheries Service Northeast Fisheries Science Center, Woods Hole, MA. February 1998.
- HDR Inc. (2012). Naval Base Kitsap at Bangor Test Pile Program, Bangor, Washington. Final Marine Mammal Monitoring Report. Prepared for Naval Facilities Engineering Northwest, Silverdale, WA. April 2012.
- 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).
- Hastings, M.C., and A.N. Popper. 2005. Effects of sound on fish. Technical report for Jones and Stokes to California Department of Transportation.
- Hemilä, S., S. Nummela, A. Berta, and T. Reuter. 2006. High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on inertial and cochlear constraints (L). *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, and J.C. Wingfield. 1996. The corticosterone stress response in gentoo and king penguins during the non-fasting period. *Condor* **98** (4):850-854.
- Houghton, J. (2012). Personal communication via email between Juliana Houghton, M.S. Student, University of Washington and Sharon Rainsberry, Fisheries Biologist, Naval Facilities Engineering Command Northwest, Silverdale, WA. July 26. Re: Transient killer whale group size in the Puget Sound south of Admiralty Inlet.
- 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.
- Hart Crowser. (2013). Naval Base Kitsap-Bangor Explosives Handling Wharf 2: Year 1 Marine Mammal Monitoring Report (2012–2013), Bangor, Washington. Prepared by Hart Crowser. Prepared for NAVFAC, Silverdale, WA. April 2013.
- Hart Crowser. (2014). Naval Base Kitsap-Bangor Explosives Handling Wharf 2: Year 2 Marine Mammal Monitoring Report (2013–2014), Bangor, Washington. Prepared by Hart Crowser. Prepared for NAVFAC Northwest, Silverdale, WA. June 2014.

- Hart Crowser. (2015). Naval Base Kitsap-Bangor Explosives Handling Wharf 2: Year 3 Marine Mammal Monitoring Report (2014–2015), Bangor, Washington. Prepared by Hart Crowser. Prepared for NAVFAC Northwest, Silverdale, WA. March 2015.
- Houghton, J., Baird, R. W., Emmons, C. K., Hanson, M. B. (2015). Changes in the occurrence and behavior of mammal-eating killer whales in southern British Columbia and Washington state from 1987–2010. *Northwest Science* 89(2), 154–169.
- 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.
- 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. (2012, August). Information regarding Steller sea lion haulout sites and numbers in Puget Sound. Personal communications over several dates in August 2012 between Steve Jeffries, Marine Mammal Specialist, Washington Department of Fish and Wildlife and Andrea Balla-Holden, Marine Biologist, Naval Facilities Engineering Command Northwest, Silverdale, WA
- Jeffries, S. J. (2013). *Aerial Surveys of Pinniped Haulout Sites in Pacific Northwest Inland Waters*. Prepared for U.S. Pacific Fleet, Pearl Harbor, Hawaii.
- 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.
- Jeffries, S., Huber, H., Calambokidis, J., & Laake, J. (2003). Trends and status of harbor seals in Washington state: 1978–1999. *The Journal of Wildlife Management*, 67(1), 207–218.
- Kastak, D., J. Mulsow, A. Ghoull, 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.

- Krahn, M. M., Ford, M. J., Perrin, W. F., Wade, P. R., Angliss, R. P., Hanson, M. B., . . . Waples, R. S. (2002). *Status review of southern resident killer whales (Orcinus orca) under the Endangered Species Act*. (NOAA Technical Memo. NMFS-NWFSC-54). U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Seattle, WA.
- 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.
- Lambourn, D. M., Jeffries, S. J., & Huber, H. R. (2010). *Observations of Harbor Seals in Southern Puget Sound during 2009*. (Contract Report for PO AB133F09SE2836F). Washington Department of Fish and Wildlife, Wildlife Program, Wildlife Science Division Lakewood, WA.
- 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.
- 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.
- London, J. M. (2006). *Harbor seals in Hood Canal: Predators and prey*. (Ph.D. dissertation), University of Washington, Seattle, WA.
- 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.
- Mapes, L.V. "Seals Tell Tales of Sound's Health." *The Seattle Times*: May 29, 2013.
- Miller, J.D. 1974. Effects of noise on people. *Journal of the Acoustical Society of America* **56**:729-764.
- 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. (1990). A quantitative comparison of the behaviour of resident and transient forms of the killer whale off the central British Columbia coast. *Reports of the International Whaling Commission, Special Issue 12*, 245–248.

- NMFS (National Marine Fisheries Service). (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.
- Navy. (2016). Pinniped surveys at Naval Base Kitsap Bangor, Naval Base Kitsap Bremerton, Manchester Fuel Department, and Naval Station Everett: summary through June 2016. Naval Facilities Engineering Command Northwest, Silverdale, WA.
- Navy. (2019). Unpublished data from pinniped surveys at Naval Base Kitsap Bangor. NAVFAC Northwest. March 20, 2019.
- 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.
- 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. Naval Facilities Engineering Command Northwest, Silverdale, W.A.
- National Marine Fisheries Service (NMFS). 2018. 2018 Revisions 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. Department of Commerce, NOAA. NOAA Technical Memorandum NMFS-OPR-59, 169 p
- NMFS. (2013). Status Review of the Eastern Distinct Population Segment of Steller Sea Lion (*Eumetopias jubatus*). 160 pp + appendices. Protected Resources Division, Alaska Region, National Marine Fisheries Service, Juneau, AK.
- National Institute for Occupational Safety and Health (NIOSH). 1998. Criteria for a recommended standard: Occupational noise exposure. United States Department of Health and Human Services, Cincinnati, OH.
- National Research Council. (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.
- National Research Council (NRC). 2005. Marine mammal populations and ocean noise: Determining when noise causes biologically significant effects. National Academy of Sciences: 142.
- Nedwell, J. and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Li

- 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.
- 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. (2015). December 2015. Orca Network Sightings Archives. Retrieved from http://www.orcanetwork.org/Archives/index.php?categories_file=Sightings%20Archives%20Home. (Accessed December 15, 2015).
- Orca Network. (2016). Sightings Archives - various months in 2016. Orca Network. Retrieved from http://www.orcanetwork.org/Archives/index.php?categories_file=Sightings%20Archives%20Home. (Accessed March 19, 2017).
- Orca Network. (2017). Orca Network Sightings Archives for various months in 2017. Retrieved from http://www.orcanetwork.org/Archives/index.php?categories_file=Sightings%20Archives%20Home. (Accessed February 27 and March 25, 2019).
- Orca Network. (2019). Sightings Archives—various months in 2017, 2018, and 2019. Orca Network. Retrieved from http://www.orcanetwork.org/Archives/index.php?categories_file=Sightings%20Archives%20Home. (Accessed February 27, 2019).
- 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.
- Prescott, R. (1982). Harbor seals: Mysterious lords of the winter beach. *Cape Cod Life*, 3(4), 24–29.
- 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.

- 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.
- 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.
- 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.
- Richardson, W.J., C.R. Greene, C.I. Malme, and D.H. Thomson. 1995. *Marine Mammals and Noise*. Academic Press, Inc., San Diego, CA.
- 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., 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.
- 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.
- 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**(7):1357-1365.

- Smultea, M.A., K. Lomac-MacNair, G. Campbell, S.S. Courbis, and T.A. Jefferson. (2017). *Aerial Surveys of Marine Mammals Conducted in the Inland Puget Sound Waters of Washington, Summer 2013– Winter 2016*. Final Report. Prepared for Commander, U.S. Pacific Fleet and Naval Sea Systems Command. Submitted to Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawaii under Contract No. N62470-15-D-8006, Task Order KB05 issued to HDR, San Diego, CA. June 2017.
- 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.
- 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.
- Schneider, D. C., & Payne, P. M. (1983). Factors Affecting Haul-Out of Harbor Seals at a Site in Southeastern Massachusetts. *Journal of Mammalogy*, 64(3), 518–520.
- 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.
- Smultea, M. A., Lomac-MacNair, K., Campbell, G, Courbis, S., & Jefferson, T. A. (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
- Suryan, R. M., & Harvey, J. T. (1998). Tracking harbor seals (*Phoca vitulina richardsi*) to determine dive behavior, foraging activity, and haul-out site use. *Marine Mammal Science*, 14(2), 361–372.
- Seyle, H. 1950. Stress and the general adaptation syndrome. *British Medical Journal* June 17:1383-1392.
- Thorson, P. and J.A. Reyff. 2006. San Francisco-Oakland Bay Bridge East Span Seismic Safety Project: marine mammal 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 p.
- Tannenbaum, B. R., Bhuthimethee, M., Delwiche, L., Vedera, G., & Wallin, J. M. (2009). *Naval Base Kitsap at Bangor 2008 marine mammal survey report*. Prepared by Science Applications International Corporation, Bothell, WA. Prepared for BAE Systems Applied Technologies, Inc., Rockville, MD. June 24, 2009.

- Tannenbaum, B. R., Hafner, W., Wallin, J. M., Delwiche, L., & Vedera, G. (2011). *Naval Base Kitsap at Bangor 2009-2010 marine mammal survey report*. Prepared by Science Applications International Corporation, Bothell, WA. Prepared for Naval Facilities Engineering Command Northwest, Naval Base Kitsap at Bangor, Silverdale, WA. December 2011.
- Unger, S. (1997). *Identification of Orcinus orca by underwater acoustics in Dabob Bay*. Paper presented at the Oceans '97 MTS/IEE, Halifax, Nova Scotia. Marine Technology Society and the Institute of Electrical and Electronics Engineers. October 6–9, 1997.
- Urick, R. J. (1983). *Principles of underwater sound*. 3rd ed. New York: McGraw-Hill.
- 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.
- Wartzok D., A.N. Popper, J. Gordon J., and J.J. Merrill. 2004. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal* 37:6-15.
- 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.
- Wartzok, D., and D.R. Ketten. 1999. Marine mammal sensory systems. pp 117-175 In J.E. Reynolds II & S.A. Rommel (Eds.), *Biology of marine mammals*. Washington, DC: Smithsonian Institution Press.
- 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.
- 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.
- 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.
- Womble, J. N., & Gende, S. M. (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.
- WDFW (Washington State Department of Fish and Wildlife). (2008). Marine Bird and Mammal Component, Puget Sound Ambient Monitoring Program (PSAMP), 1992–2008. WDFW Wildlife Resources Data Systems.

- Wiles, G. J. (2004). *Washington State status report for the killer whale*. Olympia, Washington: Washington Department of Fish and Wildlife.
- Wilson, S. C. (1978). *Social organization and behavior of harbor seals, Phoca vitulina concolor, in Maine*. (MMC-76/10). Prepared by Office of Zoological Research, National Zoological Park, Smithsonian Institution, Washington, DC. Prepared for U.S. Marine Mammal Commission, Washington, DC. Submitted October 1977, Published April 1978.
- 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.