

ADF&G (Alaska Department of Fish and Game). 2014. Petition to designate the Central North Pacific stock of humpback whale (*Megaptera novaeangliae*) as a Distinct Population Segment and remove the DPS from the List of Endangered and Threatened Species under the Endangered Species Act. February 26, 2014.

[https://www.adfg.alaska.gov/static/home/news/pressreleases/pdfs/cnp\\_humpback\\_petition\\_2-26-2014.pdf](https://www.adfg.alaska.gov/static/home/news/pressreleases/pdfs/cnp_humpback_petition_2-26-2014.pdf)

Ainslie, M. A., De Jong, C. A. F., Dol, H. S., Blacquièrre, G., & Marasini, C. 2009. *Assessment of natural and anthropogenic sound sources and acoustic propagation in the North Sea*. Den Haag: TNO.

Allen, B.M. and R.P. Angliss. 2010. Alaska Marine Mammal Stock Assessments, 2010. NOAA Technical Memorandum NMFS\_AFSC-223, 292 p.

Allen, B.M. and R.P. Angliss. 2013. Editors. Alaska marine mammal stock assessments, 2012. National Marine Fisheries Service.

Allen, B.M. and R.P. Angliss. 2014. Alaska marine mammal stock assessments, 2013. NOAA Technical Memorandum NMFS-AFSC-277, National Marine Fisheries Service: 304.

Angliss, R.P. and R.B. Outlaw. 2005. Alaska Marine Mammal Stock Assessments, 2005. NOAA Technical Memorandum NMFS-AFSC-161, 250 p.

ANSI (American National Standards Institute). 1986. Methods of measurement for impulse noise 3 (ANSI S12.7-1986). Acoustical Society of America, Woodbury, NY.

ANSI (American National Standards Institute). 1986. Methods of measurement for impulse noise 3 (ANSI S12.7-1986). 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.

Au, W.W.L. and M.C. Hastings. 2008. Principles of Marine Bioacoustics. Springer, New York  
Watkins, W.A. 1986. Whale reactions to human activities in Cape Cod waters. *Marine Mammal Science* **2** (4):251-262.

Au, W.W.L., A.A. Pack, M.O. Lammers, L.M. Herman, M.H. Deakos, and K. Andrews. 2006. Acoustic properties of humpback whale songs. *Journal of Acoustical Society of America* **120** (2):1103-1110.

- Babushina, E.S., G.L. Zaslavskii, and L.I. Yurkevich. 1991. Air and underwater hearing of the northern fur seal: Audiograms and auditory frequency discrimination. *Biofizika* **36** (5):904-907.
- Beauchamp, G. and B. Livoreil. 1997. The effect of group size on vigilance and feeding rate in spice finches (*Lonchura punctulata*). *Canadian Journal of Zoology* **75** (9):1526-1531.
- 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.
- Best, P.B. 1982. Whales: Why do they strand? *African Wildlife* **36** (3):96-99.
- Bigg, M. A. 1969. Clines in the pupping season of the harbour seal, *Phoca vitulina*. *Journal of the Fisheries Board of Canada*, *26*(2), 449-455.
- Bigg, M. A. 1981. Harbour seal, *Phoca vitulina* and *Phoca largha*. *Handbook of Marine Mammals*. Edited by SH Ridgway and RJ Harrison. Academic Press, New York, 1-28.
- 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.
- 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. Bonnell, M.L., M.O. Pierson, and G.D. Farrens. 1983. Pinnipeds and sea otters of central and northern California, 1980-1983: Status, abundance and distribution. Prepared by Center for Marine Studies, University of California for Minerals Management Service: 220.
- 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.
- Branstetter, B.K., J.S. Trickey, K. Bakhtiari, A. Black, H. Aihara, and J.J. Finneran. 2013. Auditory masking patterns in bottlenose dolphins (*Tursiops truncatus*) with natural, anthropogenic, and synthesized noise. *Journal of the Acoustical Society of America* **133** (3):1811-1818. Brown, R.F. 1988. Assessment of pinniped populations in Oregon: April 1984 to April 1985. NWAFC Processed Report 88-05, National Marine Fisheries Service: 54.

- 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.
- Buckland, S. T., Anderson, D. R., Burnham, K. P., and Laake, J. L. (1993). *Distance Sampling: Estimating Abundance of Biological Populations*. London: Chapman and Hall.
- Burkanov, V. N., & Loughlin, T. R. (2005). Distribution and abundance of Steller sea lions, *Eumetopias jubatus*, on the Asian coast, 1720's-2005. *Marine Fisheries Review*, *67*(2), 1.
- Calambokidis, J., Laake, J., Gosho, M., Gearin, P., Szanislo, W., Newell, C., Tombach, C., Megill, W. and Deecke, V.B., 2008. Seasonal resident gray whales in the Pacific Northwest: Results from collaborative research from 1999 to 2007. In *2008 meeting of the American Cetacean Society*. University of Bath.
- Calambokidis, J., Steiger, G. and Evenson, J.R., 1993. Photographic identification and abundance estimates of humpback and blue whales off California in 1991-92. *Cascadia Research*.
- Calambokidis, J., Steiger, G. H., Cabbage, J. C., Balcomb, K. C., Bloedel, P., & Bockus, D. W. 1989. Abundance and distribution of blue and humpback whales in the Gulf of the Farallones, California. In 8th Biennial Conference on the Biology of Marine Mammals, Abstracts. Pacific Grove (Vol. 7).
- Calambokidis, J., Steiger, G.H., Straley, J.M., Quinn, T., Barlow, J., Herman, L.M., Cerchio, S., Salden, D.R., Yamaguchi, M., Sato, F. and Urban, J., 1997. Population, abundance, and structure of humpback whales in the North Pacific Basin. *Draft final report to the Southwest Fisheries Science Center, La Jolla, CA by Cascadia Research Collective, Olympia, WA*.
- Caltrans (California Department of Transportation), 2001. San Francisco – Oakland Bay Bridge East Span Seismic Safety Project, Pile Installation Demonstration Project. Marine Mammal Impact Assessment. PIDP EA 012081. Caltrans Contract 04A0148. Task Order 205.10.90.
- Caltrans (California Department of Transportation). 2012. Compendium of pile driving sound data. California Department of Transportation: 215.
- Caltrans (California Department of Transportation), 2013. San-Francisco-Oakland Bay Bridge East Span Seismic Safety Project Revised Marine Mammal Monitoring Plan. Available online at:  
[http://www.biomitigation.org/pdfs/2013\\_revised\\_marine\\_mammal\\_monitoring\\_plan.pdf](http://www.biomitigation.org/pdfs/2013_revised_marine_mammal_monitoring_plan.pdf). Accessed on February 26, 2014.

- Caltrans. 2015a. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish -2015. Authored by David Buehler, P.E., Rick Oestman, James Reiff, Keith Pommerenck, Bill Mitchell. Available online at: [http://www.dot.ca.gov/hq/env/bio/files/bio\\_tech\\_guidance\\_hydroacoustic\\_effects\\_110215.pdf](http://www.dot.ca.gov/hq/env/bio/files/bio_tech_guidance_hydroacoustic_effects_110215.pdf).
- Caltrans (California Department of Transportation), 2015b. Incidental Harassment Authorization Application: Activities Related to the Demolition of Pier E3 of the East Span of the Original San Francisco-Oakland Bay Bridge.
- 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.
- Caretta, J.V., Forney, K.A., Lowry, M. S., Barlow, J., Baker, J., Johnston, D., Hanson, B., Muto, M.M., Lynch, D., and L. Cardwell. 2008. U.S. Pacific Marine Mammal Stock Assessments: 2008. NOAA Technical Memorandum NMFS. NOAA-TM-NMFS-SWFSC-434.
- Carretta, J.V., E. Oleson, D.W. Weller, A.R. Lang, K.A. Forney, J. Baker, et al. 2014. U.S. Pacific marine mammal stock assessments: 2013. NOAA Technical Memorandum NMFS-SWFSC-532, National Marine Fisheries Service: 414.
- Carretta, J.V., Oleson, E.M., Baker, J., Weller, D.W., Lang, A.R., Forney, K.A., Muto, M.M., Hanson, B., Orr, A.J., Huber, H., Lowry, M.S., Barlow, J., Moore, J.E., Lynch, D., Carswell, L., and R.L. Brownell Jr. 2015. U.S. Pacific Draft Marine Mammal Stock Assessments: 2015. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-XXX.
- Clark, C.W., W.T. Ellison, B.L. Southall, L. Hatch, S.M. Van Parijs, A. Frankel, and D. Ponirakis. 2009. Acoustic masking in marine ecosystems: intuitions, analysis, and implication. *Marine Ecology Progress Series* **395**:201-222.
- Codde, S and S. Allen. 2015. Pacific Harbor Seal (*Phoca vitulina richardsi*) Monitoring at Point Reyes National Seashore and Golden Gate National Recreation Area. 2013 Annual Report. Natural Resource Report NPS/SFAN/NRR—2015/919. National Park Service, U.S. Department of the Interior, Natural Resource Stewardship and Science. February.
- Codde, S., D. Press, D. Roberts, and S. Allen, 2010. Pacific Harbor Seal (*Phoco vitulina richardsi*) Monitoring at Point Reyes National Seashore and Golden Gate National Recreation Area. 2010 Annual Report. Natural Resource Technical Report NPS/SFAN/NRTR – 2011/465.

- Codde, S., D. Press, D. Roberts, and S. Allen, 2011. Pacific Harbor Seal (*Phoco vitulina richardsi*) Monitoring at Point Reyes National Seashore and Golden Gate National Recreation Area. 2011 Annual Report. Natural Resource Technical Report NPS/SFAN/NRTR – 2012/611.
- Codde, S., D. Press, D. Roberts, and S. Allen, 2012. Pacific Harbor Seal (*Phoco vitulina richardsi*) Monitoring at Point Reyes National Seashore and Golden Gate National Recreation Area. 2012 Annual Report. Natural Resource Technical Report NPS/SFAN/NRTR – 2013/806.
- Committee on Taxonomy. 2014. List of marine mammal species and subspecies. Society for Marine Mammalogy, [www.marinemammalscience.org](http://www.marinemammalscience.org), accessed on July 14, 2014.
- Connor, R.C. 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.
- Cox, T.M., T.J. Ragen, A.J. Read, E. Vos, R.W. Baird, K. Balcomb, et al. 2006. Understanding the impacts of anthropogenic sound on beaked whales. *Journal of Cetacean Research and Management* **7** (3):177-187.
- 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.
- Cunningham, L., Baxter, J.M., Boyd, I.L., Duck, C.D., Lonergan, M., Moss, S.E. and McConnell, B., 2009. Harbour seal movements and haul-out patterns: implications for monitoring and management. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 19(4), pp.398-407.
- Daan, S., C. Deerenberg, and C. Dijkstra. 1996. Increased daily work precipitates natural death in the kestrel. *Journal of Animal Ecology* **65** (5):6.
- Defran, R.H., Weller, D.W., Kelly, D.L. and Espinosa, M.A., 1999. Range characteristics of Pacific coast bottlenose dolphins (*Tursiops truncatus*) in the Southern California Bight. *Marine Mammal Science*, 15(2), pp.381-393.
- Di Iorio, L. and C.W. Clark. 2009. Exposure to seismic survey alters blue whale acoustic communication. *Biology Letters* **6** (1):51-54.

- Dickerson, C., K. J. Reine, D. G. Clarke, and R. M. Engler. 2001. Characterization of underwater sounds produced by bucket dredging operations DOER Technical Notes Collection (ERDC TN-DOER-E14), US Army Engineer Research and Development Center, Vicksburg, MS.
- Donovan, G. P. 1991. Distribution of sightings of minke whales in the North Atlantic. Appendix 5. *Report of the International Whaling Commission, 41*, 150-151.
- Dorsey, E. M., Stern, S. J., Hoelzel, A. R., & Jacobsen, J. 1990. Minke whale (*Balaenoptera acutorostrata*) from the west coast of North America: individual recognition and small-scale site fidelity. *Rept. Int. Whal. Commn., Special*, (12), 357-368.
- Duffy, L., 2015. Patterns of habitat use by harbor porpoise (*Phocoena phocoena*) in central San Francisco Bay. Master's Thesis, San Francisco State University.
- Durban, J., Weller, D., Lang, A., & Perryman, W. 2013. Estimating gray whale abundance from shore-based counts using a multilevel Bayesian model. Paper SC/65a/BRG02 presented to the IWC Scientific Committee.
- 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.
- Erbe, C. 2008. Critical ratios of beluga whales (*Delphinapterus leucas*) and masked signal duration. *Journal of the Acoustical Society of America* **124** (4):2216-2223.
- 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.
- 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: 150.
- 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., 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** (1):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** (6):2929.
- 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., D.A. Carder, C.E. Schlundt, and S.H. Ridgway. 2005. Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones. *Journal of the Acoustical Society of America* **118** (4):2696-2705.
- 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.
- Flynn, E., D. Press, S. Codde, D. Roberts, and S. Allen, 2009. *Pacific harbor seal (Phoca vitulina richardsi) monitoring at Point Reyes National Seashore and Golden Gate National Recreation Area: 2008 annual report*. Natural Resource Technical Report NPS/SFAN/NRTR—2009/267. National Park Service, Fort Collins, Colorado.
- 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.
- Fritz, L., K. Sweeney, M. Lynn, T. Gelatt, J. Gilpatrick, and R. Towell, 2015. Counts of Alaska Steller sea lion adult and juvenile (non-pup) conducted on rookeries and haul-outs in Alaska Aleutian Islands, Bering Sea, and others from 1904-01-01 to 2014-07-09 (NCEI Accession 0128190). NOAA National Centers for Environmental Information. Dataset.
- 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.

- Gaskin, D.E. and Watson, A.P., 1984. The harbor porpoise. *Phocoena phocoena*, p.18.
- Geraci, J.R., J. Harwood, and V.J. Lounsbury. 1999. Marine mammal die-offs: Causes, investigations, and issues. Pages 367-395 in J. Twiss and R. Reeves, eds. Conservation and Management of Marine Mammals. Smithsonian Institution Press, Washington, DC.
- Gibble, Corinne Michele, 2011. Food habits of harbor seals (*Phoca vitulina richardii*) in San Francisco Bay, California. San Jose State University.
- GGCR (Golden Gate Cetacean Research), 2016. Bottlenose Dolphin Project. Available online at: <http://www.gg Cetacean.org/bottlenose-dolphin.html>. Accessed on March 22, 2016.
- Goals Project, 2000. Baylands ecosystem species and community profiles: life histories and environmental requirements of key plants, fish, and wildlife of the San Francisco Bay Area. Prepared by the San Francisco Bay Area Wetlands Ecosystem Goals Project, P.R. Olofson, ed. San Francisco Bay Regional Water Quality Control Board, Oakland, California.
- 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.
- Goldbogen, J.A., A.S. Friedlaender, J. Calambokidis, M.F. McKenna, M. Simon, and D.P. Nowacek. 2013b. Integrative approaches to the study of baleen whale diving behavior, feeding performance, and foraging ecology. *BioScience* 63 (2):90-100.
- 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.
- Gordon, J., D. Gillespie, J. Potter, A. Frantzis, M.P. Simmonds, R. Swift, and D. Thompson. 2003. A review of the effects of seismic surveys on marine mammals. *Marine Technology Society Journal* 37 (4):16-34.
- Götz, T., G. Hastie, L.T. Hatch, O. Raustein, B.L. Southall, M. Tasker, and F. Thomsen. 2009. Overview of the impacts of anthropogenic underwater sound in the marine environment. OSPAR Commission: 134.
- Green, D.E., E. Grigg, S. Allen, and H. Marowitz, 2002. Monitoring the Potential Impact of the Seismic Retrofit Construction Activities at the Richmond San Rafael Bridge on Harbor Seals (*Phoca vitulina*): May 1998-February 2002. Draft Interim Report.
- Grigg, E.K. 2008. Environmental predictors of habitat use patterns of Pacific harbor seals (*Phoca vitulina richardii*) in an urbanized estuary. ProQuest.

- Halpin, P. N., A.J. Read, E. Fujioka, E.R.I.N. Labracque, and L.B. Crowder. 2009. oBis-seamaP. *Oceanography*, 22(2), 104.
- Hansen, L.J., 1990. California Coastal Bottlenose Dolphins 23. *The bottlenose dolphin*, p.403.
- Harrington, F.H. and A.M. Veitch. 1992. Calving success of woodland caribou exposed to low-level jet fighter overflights. *Arctic* **45** (3):213-218.
- Harris, C.M. (ed.). 1998. Handbook of Acoustical Measurements and Noise Control. Acoustical Society of America, Woodbury, NY.
- Hastings, K. K., Frost, K. J., Simpkins, M. A., Pendleton, G. W., Swain, U. G., & Small, R. J. (2004). Regional differences in diving behavior of harbor seals in the Gulf of Alaska. *Canadian Journal of Zoology*, 82(11), 1755-1773.
- Hastings, M.C. and A.N. Popper. 2005. Effects of sound on fish. Prepared by Jones & Stokes for the California Department of Transportation: 82.
- Hauser, D.D.W. and M Holst. 2009. Marine mammal monitoring during Lamont- Doherty Earth Observatory's marine seismic program in the Gulf of Alaska, September–October 2008. LGL Rep. TA4412-3. Rep. from LGL Ltd., St. John's, Nfld., and King City., Ont., for Lamont-Doherty Earth Observatory of Columbia Univ., Palisades, NY, and Nat. Mar. Fish. Serv., Silver Spring, MD. 78 p.
- 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.
- Hildebrand, J.A. 2009. Anthropogenic and natural sources of ambient noise in the ocean. *Marine Ecology Progress Series* **395**:5-20.
- Hobbs, R. C. and J M. Waite. 2010. Abundance of harbor porpoise (*Phocoena phocoena*) in three Alaskan regions, corrected for observer errors due to perception bias and species misidentification, and corrected for animals submerged from view. *Fish. Bull., U.S.* 108(3):251-267.
- 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.
- Holt, M.M., D.P. Noren, V. Veirs, C.K. Emmons, and S. Veirs. 2009. Speaking up: Killer whales (*Orcinus orca*) increase their call amplitude in response to vessel noise. *Journal of the Acoustical Society of America* **125** (1):EL27-32.
- 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.

- Houser, D.S., D.A. Helweg, and P.W.B. Moore. 2001. A bandpass filter-bank model of auditory sensitivity in the humpback whale. *Aquatic Mammals* **27** (2):82-91.
- Houser, D.S., A. Gomez-Rubio, and J.J. Finneran. 2008. Evoked potential audiometry of 13 Pacific bottlenose dolphins (*Tursiops truncatus gilli*). *Marine Mammal Science* **24** (1):28-41.
- Houser, D.S. and P.W. Moore. 2014. Report on the current and future status of underwater hearing research. Report NMMF-001-14, National Marine Mammal Foundation: 46.
- Huber, H.R., Rovetta, A.C., Fry, L.A. and Johnston, S., 1991. Age-specific natality of northern elephant seals at the South Farallon Islands, California. *Journal of mammalogy*, 72(3), pp.525-534.
- Illingworth & Rodkin. 2013. Naval Base Kitsap at Bangor Trident Support Facilities Explosive Handling Wharf (EHW-2) Project Acoustic Monitoring Report. Prepared by Illingworth & Rodkin, Inc. April 23,2013.
- ISO (International Organization for Standardization). 2003. Acoustics – Description, measurement and assessment of environmental noise – Part 1: Basic quantities and assessment procedures (ISO 1996-1:2003(E)). International Organization for Standardization, Geneva.
- Jemison, L. A., Pendleton, G. W., Wilson, C. A., & Small, R. J. 2006. Long-term trends in harbor seal numbers at Tugidak Island and Nanvak Bay, Alaska. *Marine Mammal Science*, 22(2), 339-360.
- 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(8):e70167.
- Jensen, A., and G.K. Silber. 2004. Large Whale Ship Strike Database. NOAA Technical Memorandum NMFS-OPR-25. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Silver Spring, MD.
- Jepson, P.D., R. Deaville, K. Acevedo-Whitehouse, J. Barnett, A. Brownlow, R.L. Brownell, et al. 2013. What caused the UK's largest common dolphin (*Delphinus delphis*) mass stranding event? *PLoS ONE* **8** (4):e60953.
- 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.
- Johnson, C.S. 1967. Sound detection thresholds in marine mammals. Pages 247-260 in W.N. Tavolga, ed. *Marine Bio-acoustics*. Pergamon Press, Oxford.

- Johnson, J. H., & Wolman, A. A. 1984. The humpback whale, *Megaptera novaeangliae*. *Marine Fisheries Review*, 46(4), 30-37.
- Kastak, D.A. and R.J. Schusterman. 1998. Low-frequency amphibious hearing in pinnipeds: Methods, measurements, noise, and ecology. *Journal of the Acoustical Society of America* **103** (4):2216-2228.
- Kastak, D.A. and R.J. Schusterman. 1999. In-air and underwater hearing sensitivity of a northern elephant seal (*Mirounga angustirostris*). *Canadian Journal of Zoology* **77** (11):1751-1758.
- Kastak, D., R.J. Schusterman, B.L. Southall, and C.J. Reichmuth. 1999. Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. *Journal of the Acoustical Society of America* **106** (2):1142-1148.
- Kastak, D., B.L. Southall, R.J. Schusterman, and C.R. Kastak. 2005. Underwater temporary threshold shift in pinnipeds: Effects of noise level and duration. *Journal of the Acoustical Society of America* **118** (5):3154-3163.
- Kastak, D., J. Mulsow, A. Ghoull, and C. Reichmuth. 2008. Noise-induced permanent threshold shift in a harbor seal. *Journal of the Acoustical Society of America* **123**:2986.
- Kastelein, R.A., D. de Haan, N. Vaughan, C. Staal, and N.M. Schooneman. 2001. The influence of three acoustic alarms on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research* **52** (4):351-371.
- Kastelein, R.A., P. Bunskoek, M. Hagedoorn, W.W.L. Au, and D. de Haan. 2002. Audiogram of a harbor porpoise (*Phocoena phocoena*) measured with narrow-band frequency-modulated signals. *Journal of the Acoustical Society of America* **112** (1):334-344.
- Kastelein, R.A., M. Hagedoorn, W.W.L. Au, and D. de Haan. 2003. Audiogram of a striped dolphin (*Stenella coeruleoalba*). *Journal of the Acoustical Society of America* **113** (2):1130-1137.
- Kastelein, R.A., R. Van Schie, W.C. Verboom, and D. de Haan. 2005a. Underwater hearing sensitivity of a male and a female Steller sea lion (*Eumetopias jubatus*). *Journal of the Acoustical Society of America* **118** (3):1820-1829.
- Kastelein, R.A., W.C. Verboom, M. Muijsers, N.V. Jennings, and S. Van der Heul. 2005b. 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**:287-307.
- 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., 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.
- Kastelein, R.A., R. Gransier, L. Hoek, A. Macleod, and J.M. Terhune. 2012a. Hearing threshold shifts and recovery in harbor seals (*Phoca vitulina*) after octave-band noise exposure at 4 kHz. *Journal of the Acoustical Society of America* **132** (4):2745-2761.
- Kastelein, R.A., R. Gransier, L. Hoek, and J. Olthuis. 2012b. Temporary threshold shifts and recovery in a harbor porpoise (*Phocoena phocoena*) after octave-band noise at 4 kHz. *Journal of the Acoustical Society of America* **132**:3525-3537.
- Keener, B., 2011. Safe Harbor: Welcoming Porpoises Back to San Francisco Bay. *Bay Nature*, July- September.
- Kelly, B.P. 1981. Pelage polymorphism in Pacific harbor seals. *Canadian Journal of Zoology* **59** (7):1212-1219.
- Ketten, D.R. 1998. Marine mammal auditory systems: A summary of audiometric and anatomical data and its implications for underwater acoustic impacts. NOAA Technical Memorandum NMFS-SWFSC-256, National Marine Fisheries Service: 97.
- Ketten, D.R., J. Arruda, S. Cramer, M. Yamato, A. Zosuls, D. Mountain, et al. 2007. How low can they go: Functional analyses of the largest land and marine mammal ears. Paper presented at the Seventeenth Biennial Conference on the Biology of Marine Mammals, Cape Town, South Africa.
- Ketten, D.R. and D.C. Mountain. 2009. Beaked and baleen whale hearing: Modeling responses to underwater noise. Report No. NPS-OC-09-005, Naval Postgraduate School: 34.
- Kopec, A.D. and Harvey, J., 1995. Toxic pollutants, health indices and population dynamics of harbor seals in San Francisco Bay, 1989-1992.
- 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. 1985. *The Effects of Noise on Man*. Academic Press, New York.
- Kyhn, L. A., Jensen, F. H., Beedholm, K., Tougaard, J., Hansen, M., & Madsen, P. T. (2010). Echolocation in sympatric Peale's dolphins (*Lagenorhynchus australis*) and Commerson's

- dolphins (*Cephalorhynchus commersonii*) producing narrow-band high-frequency clicks. *The Journal of experimental biology*, 213(11), 1940-1949.
- Kyhn, L.A., J. Tougaard, F. Jensen, M. Wahlberg, G. Stone, A. Yoshinaga, et al. 2009. Feeding at a high pitch: Source parameters of narrow band, high-frequency clicks from echolocating off-shore hourglass dolphins and coastal Hector's dolphins. *Journal of the Acoustical Society of America* **125** (3):1783-1791.
- Laist, D.W., A.R. Knowlton, J.G. Mead, A.S. Collet and M. Podesta. 2001. Collisions between ships and whales. *Marine Mammal Science* 17(1):35-75.
- Lamont, M.M., J.T. Vida, J.T. Harvey, S. Jeffries, R. Brown, H.H. Huber, et al. 1996. Genetic substructure of the Pacific harbor seal (*Phoca vitulina richardsi*) off Washington, Oregon, and California. *Marine Mammal Science* **12** (3):402-413.
- Lander, R.H. and Kajimura, H., 1982. Status of northern fur seals. *Mammals in the Seas: Small cetaceans, seals, sirenians and otters*, 4, p.319.
- Lang, A.R., Weller, D.W., LeDuc, R., Burdin, A.M., Pease, V.L., Litovka, D., Burkanov, V. and Brownell Jr, R.L., 2011. Genetic analysis of stock structure and movements of gray whales in the eastern and western North Pacific. In *19th Biennial Conference on the Biology of Marine Mammals*. Tampa, Florida.
- 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.
- LeDuc, R.G. and Dizon, A.E., 2002. Reconstructing the rorqual phylogeny: With comments on the use of molecular and morphological data for systematic study. *Molecular and Cell Biology of Marine Mammals*, pp.100-110.
- 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.
- Lesage, V., C. Barrette, M.C.S. Kingsley, and B. Sjare. 1999. The effect of vessel noise on the vocal behavior of Belugas in the St. Lawrence River estuary, Canada. *Marine Mammal Science* **15** (1):65-84.
- Loughlin, T.R., D.J. Rugh, and C.H. Fiscus. 1984. Northern sea lion distribution and abundance: 1956-80. *Journal of Wildlife Management* **48** (3):729-740.
- Loughlin, T. R., & York, A. E. 2000. An accounting of the sources of Steller sea lion, *Eumetopias jubatus*, mortality. *Marine Fisheries Review*, 62(4), 40-45.

- Lowry, M.S., Condit, R., Hatfield, B., Allen, S.G., Berger, R., Morris, P.A., Le Boeuf, B.J. and Reiter, J., 2014. Abundance, distribution, and population growth of the northern elephant seal (*Mirounga angustirostris*) in the United States from 1991 to 2010. *Aquatic Mammals*, 40(1), p.20.
- Lucifredi, I. and P.J. Stein. 2007. Gray whale target strength measurements and the analysis of the backscattered response. *Journal of the Acoustical Society of America* **121** (3):1383-1391.
- Lucke, K., U. Siebert, P.A. Lepper, and M. Blanchet. 2009. Temporary shift in masked hearing thresholds in a harbor porpoise (*Phocoena phocoena*) after exposure to seismic airgun stimuli. *Journal of the Acoustical Society of America* **125** (6):4060.
- 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.
- MacLean, S. A., & Koski, W. R. 2005. Marine mammal monitoring during Lamont-Doherty Earth Observatory's seismic program in the Gulf of Alaska, August–September 2004. *LGL Rep. TA2822-28. Rep. from LGL Ltd., King City, Ont., for Lamont-Doherty Earth Observatory of Columbia Univ., Palisades, NY, and Nat. Mar. Fish. Serv., Silver Spring, MD.*
- 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., & Miles, P. R. 1987. The influence of sound propagation conditions on the behavioral response of whales to underwater industrial noise. *The Journal of the Acoustical Society of America*, 82(S1), S97-S98.
- Malme, C. I., Miles, P. R., Clark, C. W., Tyack, P., & Bird, J. E. 1984. *Investigations of the potential effects of underwater noise from petroleum-industry activities on migrating gray-whale behavior. Phase 2: January 1984 migration* (No. PB-86-218377/XAB; BBN-5586). Bolt, Beranek and Newman, Inc., Cambridge, MA (USA).
- May-Collado, L. and I. Agnarsson. 2006. Cytochrome *b* and Bayesian inference of whale phylogeny. *Molecular Phylogenetics and Evolution* **38** (2):344-354.
- Merrick, R.L., D.G. Calkins, and D.C. McAllister. 1992. Aerial and ship-based surveys of Steller sea lions (*Eumetopias jubatus*) in southeast Alaska, the Gulf of Alaska, and Aleutian Islands. NOAA Technical Memorandum NMFS-AFSC-1, National Marine Fisheries Service: 52.

- Miles, P. R., Malme, C. I., & Richardson, W. J. 1987. *Prediction of drilling site-specific interaction of industrial acoustic stimuli and endangered whales in the Alaskan Beaufort Sea* (No. 6509). BBN.
- 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.
- Mitson, R.B (ed.). 1995. Underwater noise of research vessels: Review and recommendations. Cooperative Research Report No. 209, International Council for the Exploration of the Sea: 65.
- 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.
- Møhl, B. 1968. Auditory sensitivity of the common seal in air and water. *Journal of Auditory Research* **8**:27-38.
- Moore, P.W.B. and R.J. Schusterman. 1987. Audiometric assessment of northern fur seals, *Callorhinus ursinus*. *Marine Mammal Science* **3** (1):31-53.
- 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.
- Mulsow, J. and C. Reichmuth. 2007. Electrophysiological assessment of temporal resolution in pinnipeds. *Aquatic Mammals* **33** (1):122-131.
- Mulsow, J., C. Reichmuth, F. Gulland, D.A.S. Rosen, and J.J. Finneran. 2011a. Aerial audiograms of several California sea lions (*Zalophus californianus*) and Steller sea lions (*Eumetopias jubatus*) measured using single and multiple simultaneous auditory steady-state response methods. *Journal of Experimental Biology* **214** (7):1138-1147.
- Mulsow, J., J.J. Finneran, and D.S. Houser. 2011b. California sea lion (*Zalophus californianus*) aerial hearing sensitivity measured using auditory steady-state response and psychophysical methods. *Journal of the Acoustical Society of America* **129** (4):2298-2306.

- Muto, M.M. and R.P. Angliss. 2015. Alaska Marine Mammal Stock Assessments, 2015. National Marine Fisheries Service, National Marine Mammal Laboratory, Alaska Fisheries Science Center, Seattle, Washington
- Nachtigall, P.E., A.Y. Supin, J.L. Pawloski, and W.W.L. Au. 2004. Temporary threshold shifts after noise exposure in the bottlenose dolphin (*Tursiops truncatus*) measured using evoked auditory potentials. *Marine Mammal Science* **20** (4):672-687.
- Nachtigall, P.E., M.M.L. Yuen, T.A. Mooney, and K.A. Taylor. 2005. Hearing measurements from a stranded infant Risso's dolphin, *Grampus griseus*. *Journal of Experimental Biology* **208** (21):4181-4188.
- Nachtigall, P.E., T.A. Mooney, K.A. Taylor, L.A. Miller, M.H. Rasmussen, T. Akamatsu, et al. 2008. Shipboard measurements of the hearing of the white-beaked dolphin *Lagenorhynchus albirostris*. *Journal of Experimental Biology* **211** (4):642-647.
- 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.
- Nedwell, J. R., Ward, P. D., Lambert, D., Watson, D., Goold, J., Englund, A., ... & Barlow, K. 2008. *Assessment of potential for significant disturbance/disruption to cetaceans present in and around Broadhaven Bay, Co. Mayo, from pipeline construction operations* (No. 824R0113). Subacoustech Report.
- 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.
- 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 (National Marine Fisheries Service). 1991. Recovery Plan for the Humpback Whale (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team for the National Marine Fisheries Service, Silver Spring, Maryland.
- NMFS. 1993. Designated Critical Habitat; Steller Sea Lion. 50 CFR Part 226. Federal Register **58** (3). August 27, 1993, p.45269-45285.
- NMFS (National Marine Fisheries Service), 2004. Final Environmental Assessment of the Issuance of an Incidental Harassment Authorization for the Take of Marine Mammals During Dredging Operations at Pier 39, San Francisco, California. Response to BMMI IHA application. Office of Protected Resources.

- NMFS. 2013. Status review of the eastern distinct population segment of Steller sea lion (*Eumetopias jubatus*). National Marine Fisheries Service: 236.
- 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.
- Nowacek, S.M., R.S. Wells and A.R. Solow. 2001. Short-term effects of boat traffic on bottlenose dolphins, *Tursiops truncatus*, in Sarasota Bay, FL. *Marine Mammal Science* **17**(4):673-688.
- 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.
- 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.
- Pacini, A.F., P.E. Nachtigal, L.N. Kloepper, M. Linnenschmidt, A. Sogorb, and S. Matias. 2010. Audiogram of a formerly stranded long-finned pilot whale (*Globicephala melas*) measured using auditory evoked potentials. *Journal of Experimental Biology* **213** (18):3138-3143.
- Pacini, A.F., P.E. Nachtigal, C.T. Quintos, T.D. Schofield, D.A. Look, G.A. Levine, and J.P. Turner. 2011. Audiogram of a stranded Blainville's beaked whale (*Mesoplodon densirostris*) measured using auditory evoked potentials. *Journal of Experimental Biology* **214** (14):2409-2415.
- Parks, S.E., D.R. Ketten, J.T. O'Malley, and J. Arruda. 2007a. Anatomical predictions of hearing in the North Atlantic right whale. *Anatomical Record: Advances in Integrative Anatomy and Evolutionary Biology* **290** (6):734-744.
- Parks, S.E., C.W. Clark, and P.L. Tyack. 2007b. 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.
- Parvin, S. J., Nedwell, J. R., Kynoch, J., Lovell, J., & Brooker, A. G. 2008. Assessment of underwater noise from dredging operations on the Hastings shingle bank. *Report No. Subacoustech 758R0137*.
- 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.
- Popov, V.V. and A.Y. Supin. 1990a. An electrophysiological study of hearing in the freshwater dolphin, *Inia geoffrensis*. *Doklady Akademii Nauk SSSR* **313** (1):238-241.

- Popov, V. and A. Supin. 1990b. Electrophysiological studies of hearing in some cetaceans and a manatee. Pages 405-415 in J.A. Thomas and R.A. Kastelein, eds. *Sensory Abilities of Cetaceans: Laboratory and Field Evidence*. Plenum Press, New York.
- Popov, V.V., A.Y. Supin, D. Wang, K. Wang, J. Xiao, and S. Li. 2005. Evoked-potential audiogram of the Yangtze finless porpoise *Neophocaena phocaenoides asiaorientalis* (L). *Journal of the Acoustical Society of America* **117** (5):2728-2731.
- Popov, V.V., A.Y. Supin, M.G. Pletenko, M.B. Tarakanov, V.O. Klishin, T.N. Bulgakova, and E.I. Rosanova. 2007. Audiogram variability in normal bottlenose dolphins (*Tursiops truncatus*). *Aquatic Mammals* **33** (1):24-33.
- Popov, V.V., A.Y. Supin, D. Wang, K. Wang, L. Dong, and S. Wang. 2011. Noise-induced temporary threshold shift and recovery in Yangtze finless porpoises *Neophocaena phocaenoides asiaorientalis*. *Journal of the Acoustical Society of America* **130** (1):574-584.
- 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. 2008. Amphibious hearing in pinnipeds, revisited. Paper presented at the Second International Conference on Acoustic Communication by Animals, Oregon State University, Corvallis, Oregon.
- 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, 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  $\mu$ Pa. Technical Report 1751, Naval Command, Control and Ocean Surveillance Center: 32.
- Ridgway, S., D. Carder, J. Finneran, M. Keogh, T. Kamolnick, M. Todd, and A. Goldblatt. 2006. Dolphin continuous auditory vigilance for five days. *Journal of Experimental Biology* **209** (18):3621-3628.

- Robinson, S. P., Theobald, P. D., Hayman, G., Wang, L. S., Lepper, P. A., Humphrey, V. F., & Mumford, S. 2011. Measurement of underwater noise arising from marine aggregate dredging operations.
- 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.
- Ross, G.J. and Cockcroft, V.G., 1990. Comments on Australian bottlenose dolphins and the taxonomic status of *Tursiops aduncus* (Ehrenberg, 1832). *The bottlenose dolphin*, pp.101-128.
- Scheffer, V.B. and Slipp, J.W., 1944. The harbor seal in Washington State. *American Midland Naturalist*, 32(2), pp.373-416.
- 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** (6):3496-3508.
- Schlundt, C.E., R.L. Dear, D.S. Houser, A.E. Bowles, T. Reidarson, and J.J. Finneran. 2011. Auditory evoked potentials in two short-finned pilot whales (*Globicephala macrorhynchus*). *Journal of the Acoustical Society of America* **129** (2):1111-1116.
- 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.

- Scholin, C.A., F. Gulland, G.J. Doucette, S. Benson, M. Busman, F.P. Chavez, et al. 2000. Mortality of sea lions along the central California coast linked to a toxic diatom bloom. *Nature* **403** (6765):80-84.
- Schramm, Y., S.L. Mesnick, J. de la Rosa, D.M. Palacios, M.S. Lowry, D. Auriolles-Gamboa, et al. 2009. Phylogeography of California and Galapagos sea lions and population structure within the California sea lion. *Marine Biology* **156** (7):1375-1387.
- Schusterman, R.J., R.F. Balliet, and J. Nixon. 1972. Underwater audiogram of the California sea lion by the conditioned vocalization technique. *Journal of the Experimental Analysis of Behavior* **17** (3):339-350.
- Sekiguchi, K., 1995. Occurrence, behavior and feeding habits of harbor porpoises (*Phocoena phocoena*) at Pajaro Dunes, Monterey Bay, California. Available online at: [http://aquaticmammalsjournal.org/share/AquaticMammalsIssueArchives/1995/AquaticMammals\\_21-02/21-02\\_Sekiguchi.pdf](http://aquaticmammalsjournal.org/share/AquaticMammalsIssueArchives/1995/AquaticMammals_21-02/21-02_Sekiguchi.pdf). Accessed on March 9, 2016.
- Seyle, H. 1950. Stress and the general adaptation syndrome. *British Medical Journal* June 17:1383-1392.
- Sih, A., A.M. Bell, and J.L. Kerby. 2004. Two stressors are far deadlier than one. *Trends in Ecology and Evolution* 19 (6):274-276.
- Simmonds, M., Dolman, S. and Weilgart, L., 2004. Oceans of noise: A WDCS science report. *Whale and Dolphin Conservation Society*, pp.23-36.
- Skalski, J.R., Pearson, W.H. and 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(7), pp.1357-1365.
- 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.
- Steiger, G. H., Calambokidis, J., Sears, R., Balcomb, K. C., & Cubbage, J. C. 1991. Movement of humpback whales between California and Costa Rica. *Marine Mammal Science*, 7(3), 306-310.
- Stewart, B. S. & H.R. Huber. 1993. *Mirounga angustirostris*. *Mammalian Species Archive*, 449, 1-10.
- Temte, J.L. 1986. Photoperiod and the timing of pupping in the Pacific harbor seal (*Phoca vitulina richardsi*) with notes on reproduction in northern fur seals and Dall porpoises. M.S. thesis. Oregon State University: 161.

- Stewart, B.S., Yochem, P.K., Huber, H.R., DeLong, R.L., Jameson, R.J., Sydeman, W.J., Allen, S.G. and Le Boeuf, B., 1994. History and present status of the northern elephant seal population. *Elephant seals: population ecology, behavior, and physiology*, pp.29-48.
- 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.
- Szymanski, M.D., D.E. Bain, K. Kiehl, S. Pennington, S. Wong, and K.R. Henry. 1999. Killer whale (*Orcinus orca*) hearing: Auditory brainstem response and behavioral audiograms. *Journal of the Acoustical Society of America* **106** (2):1134-1141.
- 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.
- 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.
- 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.
- TMMC (The Marine Mammal Center), 2015. Celebrate the Sea Lions' 21st Anniversary at Pier 39. The Marine Mammal Center. Available online at: <http://www.marinemammalcenter.org/about-us/News-Room/2011-news-archives/celebrate-the-sea-lions-21st.html>. Accessed on December 18, 2015.
- TMMC (The Marine Mammal Center), 2016. Northern Fur Seal. Available online at: <http://www.marine-mammalcenter.org/education/marine-mammal-information/pinnipeds/northern-fur-seal/?referrer=https://www.google.com/>. Accessed on March 9, 2016.
- Tougaard, J. and L.A. Kyhn. 2010. Echolocation sounds of hourglass dolphins (*Lagenorhynchus cruciger*) are similar to the narrow band high-frequency echolocation sounds of the dolphin genus *Cephalorhynchus*. *Marine Mammal Science* **26** (1):239-245.
- Truchinski, K., E. Flynn, D. Press, D. Roberts, and S. Allen, 2008. *Pacific harbor seal (Phoca vitulina richardii) monitoring at Point Reyes National Seashore and Golden Gate National*

*Recreation Area: 2007 annual report*. Natural Resource Technical Report NPS/SFAN/NRTR—2008/118. National Park Service, Fort Collins, Colorado.

- Tubelli, A.A., A. Zosuls, D.R. Ketten, M. Yamato, and D.C. Mountain. 2012. A prediction of the minke whale (*Balaenoptera acutorostrata*) middle-ear transfer function. *Journal of the Acoustical Society of America* **132** (5):3263-3272.
- Urick, R.J. 1983. *Principles of Underwater Sound*. Peninsula Publishing, Los Altos, CA.
- Van Waerebeek, K., Reyes, J.C., Read, A.J. and McKinnon, J.S., 1990. Preliminary observations of bottlenose dolphins from the Pacific coast of South America. *The bottlenose dolphin*, pp.143-154.
- Viada, S.T., R.M. Hammer, R. Racca, D. Hannay, M.J. Thompson, B.J. Balcom, and N.W. Phillips. 2008. Review of potential impacts to sea turtles from underwater explosive removal of offshore structures. *Environmental Impact Assessment Review* **28** (4-5):267-285.
- Walker, W. 1981. Geographical variation in morphology and biology of bottlenose dolphins (Tursiops). Report LJ-81-03C, Eastern North Pacific NMFS Southwest Fisheries Center Administration, La Jolla, Calif.
- Ward, W.D. 1997. Effects of high-intensity sound. Pages 1497-1507 in M.J. Crocker, ed. *Encyclopedia of acoustics*, Volume III. John Wiley & Sons, New York.
- Wartzok, D., & D.R. Ketten. 1999. Marine mammal sensory systems. *Biology of marine mammals*, 1, 117-175. 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., Popper, A. N., Gordon, J., & Merrill, J. 2003. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal*, 37(4), 6-15.
- Watkins, W.A. 1986. Whale reactions to human activities in Cape Cod waters. *Marine Mammal Science* **2** (4):251-262.
- 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.
- Weller, D.W., Bettridge, S., Brownell Jr, R.L., Laake, J.L., Moore, J.E., Rosel, P.E., Taylor, B.L. and Wade, P.R., 2013. Report of the National Marine Fisheries Service gray whale stock identification workshop. *US Department of Commerce, NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-507*.

- WETA (Water Emergency Transportation Authority). 2003. San Francisco Bay Area Water Transit Authority, Final Program Environmental Impact Report – Expansion of Ferry Service in the San Francisco Bay Area. June, 2003.
- White, M.J., D. Ljungblad, J. Norris, and K. Baron. 1977. Auditory thresholds of two beluga whales, *Delphinapterus leucas*. Paper presented at the Second Biennial Conference on the Biology of Marine Mammals, San Diego, California.
- Winans, G.A., and L.L. Jones. 1988. Electrophoretic variability in Dall's porpoise (*Phocoenoides dalli*) in the North Pacific Ocean and Bering Sea. *J. Mammal.* 69(1):14-21.
- Winning, Birgitte, 2008. Executive Director, Oceanic Society. Personal communication of data from Gray Whales in the Bay, G. Oliver, J. Gilardi, C. Toropova, P. Folkens, K. Cronin, N. Bodoro, K. Sanchez, D. Wolf, K. Zagzebski, and B. Winning, unpublished report.
- Wright, A.J., M. Maar, C. Mohn, J. Nabe-Nielsen, U. Siebert, L.F. Jensen, et al. 2013. Possible causes of a harbour porpoise mass stranding in Danish waters in 2005. *PLoS ONE* 8 (2):e55553.
- WSDOT (Washington State Department of Transportation). 2011. Port Townsend Dolphin Timber Pile Removal – Vibratory Pile Monitoring Technical Memorandum. January 3, 2011.
- 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.
- Yelverton, J.T., D.R. Richmond, E.R. Fletcher, and R.K. Jones. 1973. Safe distances from underwater explosions for mammals and birds. Report No. 3114T, Defense Nuclear Agency: 70.
- Yuen, M.M.L., P.E. Nachtigall, M. Breese, and A.Y. Supin. 2005. Behavioral and auditory evoked potential audiograms of a false killer whale (*Pseudorca crassidens*). *Journal of the Acoustical Society of America* 118 (4):2688-2695.
- Zeiner, D.C., W.F. Laudenslayer, K.E. Mayer, and M. White, 1990. California's Wildlife: Mammals. Volume 3. California Statewide Wildlife Habitat Relationships System. Department of Fish and Game.
- Zenkovich, B.A., 1954. *Around the world after whales*.
- Zimmer, W.M.X. and P.L. Tyack. 2007. Repetitive shallow dives pose decompression risk in deep-diving beaked whales. *Marine Mammal Science* 23 (4):888-925.