

## **Port of Alaska's North Extension Stabilization Step 1 (NES1) Project in Anchorage, Alaska - References**

- 61 North (61N) Environmental. 2021. 2020 Petroleum and Cement Terminal Construction Marine Mammal Monitoring Final Report. Prepared for Pacific Pile and Marine, Port of Alaska, and NMFS by 61N Environmental. February 2021.
- \_\_\_\_\_. 2022a. 2021 Petroleum and Cement Terminal Construction Marine Mammal Monitoring Final Report. Prepared for Pacific Pile and Marine, Port of Alaska, and NMFS by 61N Environmental. February 2022.
- \_\_\_\_\_. 2022b. 2022 Port of Alaska South Float Dock Construction Marine Mammal Monitoring. Prepared for Pacific Pile and Marine, Port of Alaska, and NMFS by 61N Environmental. October 2022.
- \_\_\_\_\_. 2022c. 2022 Port of Alaska PCT/SFD Dredging Marine Mammal Monitoring Final Report. Prepared for Pacific Pile and Marine, Port of Alaska, and NMFS by 61N Environmental. October 2022.
- ABR, Inc. 2017. Protected Species Monitoring Report, 2017 Ship Creek Boat Launch Repairs Project, Anchorage, Alaska. Prepared for R&M Consultants and Port of Anchorage. November 2017.
- Ahroon, W.A., Hamernik, R.P., Lei, S.F., 1996. The effects of reverberant blast waves on the auditory system. *The Journal of the Acoustical Society of America* 100, 2247-2257.
- American National Standards Institute (ANSI), 1986. Methods of measurement for impulse noise, Acoustical Society of America, Woodbury, NY.
- \_\_\_\_\_. 1995. Bioacoustical Terminology (ANSI S3.20- 1995). Acoustical Society of America, Woodbury, NY.
- \_\_\_\_\_. 2005. Measurement of Sound Pressure Levels in Air (ANSI S1.13-2005). New York: Acoustical Society of America.
- \_\_\_\_\_. 2013. Performance and Calibration of Reference Sound Sources, 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.
- Atkinson, S., D. P. DeMaster, and D. G. Calkins. 2008. Anthropogenic causes of the western Steller sea lion *Eumetopias jubatus* population decline and their threat to recovery. *Mammal Rev.* 38(1):1-18.
- Atwood T.C., E. Peacock, M.A. McKinney, K. Lillie, R. Wilson, D.C. Douglas, S. Miller, and P. Terletzky. 2016. Rapid Environmental Change Drives Increased Land Use by an Arctic Marine Predator. *PLoS ONE* 11(6): e0155932. <https://doi.org/10.1371/journal.pone.0155932>

Au, W. W. L. and M. Hastings. 2008. Principles of Marine Bioacoustics. Springer-Verlag, New York..

Austin, M., S. Denes, J. MacDonnell, and G. Warner. 2016. Hydroacoustic Monitoring Report, Anchorage Port Modernization Project Test Pile Program. Prepared by JASCO under contract of Kiewit Infrastructure West Co. for the Port of Anchorage

Baird, R.W. 2001. Status of harbour seals, *Phoca vitulina*, in Canada. Canadian Field-Naturalist 115(4):663–675.

Baird, R. W. and P. J. Stacey. 1988. Variation in saddle patch pigmentation in populations of killer whales (*Orcinus orca*) from British Columbia, Alaska, and Washington State. Can. J. Zool. 66 (11):2582-2585.

Baird, R. W., P. A. Abrams, and L. M. Dill. 1992. Possible indirect interactions between transient and resident killer whales: implications for the evolution of foraging specializations in the genus *Orcinus*. Oecologia 89:125-132.

Barlow, J. 1995. The abundance of cetaceans in California waters. Part I: Ship surveys in summer and fall of 1991. Fish. Bull., U.S. 93:1-14.

\_\_\_\_\_. 1997. Preliminary estimates of cetacean abundance off California, Oregon and Washington based on a 1996 ship survey and comparisons of passing and closing modes. Southwest Fisheries Science Center Administrative Report LJ-97-11, 25 p. Available from SWFSC, NMFS, 8901 La Jolla Shores Drive, La Jolla, CA 92037. 25 p.

Barrett-Lennard, L. G. 2000. Population structure and mating patterns of killer whales (*Orcinus orca*) as revealed by DNA analysis. Ph.D. Dissertation, University of British Columbia, Vancouver, BC, Canada. 97 p

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, 1526-1531.

Bejder, L., A. Samuels, H. Whitehead, and N. Gales. 2006. Interpreting short-term behavioural responses to disturbance within a longitudinal perspective. Animal behaviour 72, 1149-1158.

Bejder, L., A. Samuels, H. Whitehead, H., Finn, H., 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.

Bigg, M. A., P. F. Olesiuk, G. M. Ellis, J. K. B. Ford, and K. C. Balcomb III. 1990. Social organization and genealogy of resident killer whales (*Orcinus orca*) in the coastal waters of British Columbia and Washington State, p. 386-406. In P. S. Hammond, S. A. Mizroch, and G. P. Donovan (eds.), Individual Recognition of Cetaceans: Use of Photo-identification and Other Techniques to Estimate Population Parameters. Rep. Int. Whal. Comm. Special Issue 12.

Bjørge, A. 2002. How persistent are marine mammal habitats in an ocean of variability? Pages 63–91 in P.G.H. Evans, and J.A. Raga, eds. *Marine Mammals: Biology and Conservation*. Kluwer Academic/Plenum Publishers, New York, NY.

Blackwell, S.B. 2005. Underwater Measurements of Pile-driving Sounds during the Port MacKenzie Dock Modifications, 13–16 August 2004. Rep. from Greeneridge Sciences, Inc., Goleta, CA, and LGL Alaska Research Associates, Inc., Anchorage, AK, in association with HDR Alaska, Inc., Anchorage, AK, for Knik Arm Bridge and Toll Authority (KABATA), Anchorage, AK, Department of Transportation and Public Facilities, Anchorage, Alaska, and Federal Highway Administration, Juneau, AK.

Blackwell, S.B. and C.R. Greene, Jr. 2002. Acoustic Measurements in Cook Inlet, Alaska, during August 2001. Greeneridge Rep. 271-2. Prepared by Greeneridge Sciences, Inc., Santa Barbara, CA, for National Marine Fisheries Service, Anchorage, AK.

Blackwell, S., 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 Acoustical Society of America* 115, 2346-2357.

Blecha, F. 2000. Immune system response to stress, *The biology of animal stress: basic principles and implications for animal welfare.*, CABI Publishing Wallingford UK, pp. 111-121.

Boveng, P. L., J. M. London, and J. M. Ver Hoef. 2012. Distribution and Abundance of Harbor Seals in Cook Inlet, Alaska. Task III: Movements, Marine Habitat Use, Diving Behavior, and Population Structure, 2004–2006. Final Report. BOEM Report 2012-065. Bureau of Ocean Energy Management, Alaska Outer Continental Shelf Region, Anchorage, AK.

Bowen, W.D. and D.B. Siniff. 1999. Distribution, population biology, and feeding ecology of marine mammals. Pages 423–484 in J.E. Reynolds and S.A. Rommel, eds. *Biology of Marine Mammals*. Smithsonian Institution Press, Washington, DC.

Bowers, M. T., A.S. Friedlaender, V. M. Janik, D. P. Nowacek, N. J. Quick, B. L. Southall, and A. J. Read. 2018. Selective reactions to different killer whale call categories in two delphinid species. *Journal of Experimental Biology* 221, jeb162479.

Bowles, A. E., M. Smul tea, B. Würsig, D. P. DeMaster, and D. Palka. 1994. Relative abundance and behavior of marine mammals exposed to transmissions from the Heard Island Feasibility Test. *The Journal of the Acoustical Society of America* 96, 2469-2484.

Bradshaw, C. J., S. Boutin, and D. M. Heber. 1998. Energetic implications of disturbance caused by petroleum exploration to woodland caribou. *Canadian Journal of Zoology* 76, 1319-1324.

Braham, H. W. and M. E. Dahlheim. 1982. Killer whales in Alaska documented in the Platforms of Opportunity Program. *Rep. Int. Whal. Comm.* 32:643-646.

Brandt, M. J., A. Diederichs, K. Betke, and G. Nehls. 2011. Responses of harbour porpoises to pile driving at the Horns Rev II offshore wind farm in the Danish North Sea. *Marine Ecology Progress Series* 421:205–216.

- 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. *The Journal of the Acoustical Society of America* 133, 1811-1818.
- Brewer, A. M., M. Castellote, A. M. Van Cise, T. Gage, and A. M. Berdahl. 2023. Communication in Cook Inlet beluga whales: Describing the vocal repertoire and masking of calls by commercial ship noise. *The Journal of the Acoustical Society of America*, 154(5), pp. 3487-3505.
- Brueggeman, J. J., D. Lenz, and M. Wahl. 2013. Beluga Whale and Other Marine Mammal Occurrence in Upper Cook Inlet between Point Campbell and Fire Island, Alaska August–November 2011 and April–July 2012. Prepared by Jay Brueggeman of Canyon Creek Consulting LLC and Drew Lenz and Melanie Wahl of 61 North Consulting LLC for Cook Inlet Regional Corporation, Anchorage, AK.
- Brueggeman, J. J., M. Smultea, H. Goldstein, S. McFarland, and D.J. Blatchford. 2007. 2007 Spring Marine Mammal Monitoring Program for the ConocoPhillips Beluga River Seismic Operations in Cook Inlet Alaska: 90-day Report. Prepared for ConocoPhillips Alaska, Inc., Anchorage, AK, by Canyon Creek Consulting, Seattle, WA.
- Brueggeman, J. J., M. Smultea, K. Lomac-MacNair, D.J. Blatchford, and R. Dimmick. 2008a. 2007 Fall Marine Mammal Monitoring Program for the Union Oil Company of California Granite Point seismic Operations in Cook Inlet Alaska: 90-day Report. Prepared for Union Oil Company of California by Canyon Creek Consulting, Seattle, WA.
- Brueggeman, J. J., M. Smultea, K. Lomac-MacNair, and D.J. Blatchford. 2008b. 2007 Fall Marine Mammal Monitoring Program for the Marathon Oil Company North Ninilchik Seismic Operations in Cook Inlet Alaska: 90-day Report. Prepared for Marathon Oil Company by Canyon Creek Consulting, Seattle, WA.
- Bureau of Ocean Energy Management (BOEM). 2021. Draft Environmental Impact Statement Cook Inlet Planning Area Oil and Gas Lease Sale 258 In Cook Inlet, Alaska. Bureau of Ocean Energy Management OCS EIS/EA BOEM 2020-063.
- Burek-Huntington, K. A., J. Dushane, C. E. C. Goertz, L. Measures, C. Romero, and S. Raverty. 2015. Morbidity and mortality in stranded Cook Inlet beluga whales (*Delphinapterus leucas*). *Dis. Aquat. Organ.* 114(1):45-60. DOI: [dx.doi.org/10.3354/dao02839](https://doi.org/10.3354/dao02839).
- Burton, W. H. 1993. Effects of bucket dredging on water quality in the Delaware River and the potential for effects on fisheries resources.
- Calkins, D. G. 1989. Status of beluga whales in Cook Inlet. Pages 109–112 in L.E. Jarvela, and L.K. Thorsteinson (eds.). Gulf of Alaska, Cook Inlet, and North Aleutian Basin Information Update Meeting. 7–8 February 1989. USDOC, NOAA, OCSEAP, Anchorage, AK.
- California Department of Transportation (CALTRANS). 2015. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. , In: Molnar,

M., Buehler, D., R. Oestman, J. Reyff, K. Pommerenck, B. Mitchell. (Ed.), CALTRANS Compendium, California Department of Transportation.

\_\_\_\_\_. 2020. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. , In: Molnar, M., Buehler, D., R. Oestman, J. Reyff, K. Pommerenck, B. Mitchell. (Ed.), CALTRANS Compendium, CALTRANS.

Carlson, T., D. Woodruff, G. Johnson, N. Kohn, G. Ploskey, M. Weiland, J. Southard, and S. Southard. 2005. Hydroacoustic measurements during pile driving at the Hood Canal Bridge, September through November 2004, Battelle Marine Sciences Laboratory Sequim, WA.

Carstensen, J., O. D. Henriksen, and J. Teilmann. 2006. Impacts of offshore wind farm construction on harbour porpoises: acoustic monitoring of echolocation activity using porpoise detectors (T-PODs). *Marine Ecology Progress Series*, 321, pp.295-308.

Carretta, J. V., E. M. Oleson, K. A. Forney, D. W. Weller, A. R. Lang, J. Baker, A. J. Orr, B. Hanson, J. Barlow, J. E. Moore, M. Wallen, and R. 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>

Carstensen, J., O. D. Henriksen, and J. Teilmann. 2006. Impacts of offshore wind farm construction on harbor porpoises: acoustic monitoring of echolocation activity using porpoise detectors (T-PODs). *Marine Ecology Progress Series* 321:295–308.

Casper, B. M., Halvorsen, M. B., Carlson, T. J., Popper, A. N., 2017. Onset of barotrauma injuries related to number of pile driving strike exposures in hybrid striped bass. *The Journal of the Acoustical Society of America* 141, 4380-4387.

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, e73844.

Castellote, M., R. J. Small, J. Mondragon, J. Jenniges, and J. Skinner. 2015. Seasonal distribution and foraging behavior of Cook Inlet belugas based on acoustic monitoring. ADF&G Final Report to Department of Defense.

Castellote, M., R. J. Small, M. O. Lammers, J. J. Jenniges, J. Mondragon, J. and S. Atkinson. 2016. Dual instrument passive acoustic monitoring of belugas in Cook Inlet, Alaska. *The Journal of the Acoustical Society of America*, 139(5), pp.2697-2707.

Castellote, M., R. J. Small, M. O. Lammers, J. Jenniges, J. Mondragon, C. D. Garner, S. Atkinson, J. M. S. Delevaux, R. Graham, and D. Westerholt. 2020. Seasonal distribution and foraging occurrence of Cook Inlet beluga whales based on passive acoustic monitoring. *Endangered Species Research* 41:225–243.

Castellote M., A. Mooney, R. Andrews, S. Deruiter, W-J. Lee, M. Ferguson et al. 2021 Beluga whale (*Delphinapterus leucas*) acoustic foraging behavior and applications for long term monitoring. *PLoS ONE* 16(11): e0260485. <https://doi.org/10.1371/journal.pone.0260485>

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.

Colbeck, G. J., P. Duchesne, L. D. Postma, V. Lesage, M. O. Hammill, and J. Turgeon. 2013. Groups of related belugas (*Delphinapterus leucas*) travel together during their seasonal migrations in and around Hudson Bay. *Proc. R. Soc. Biol.* 280, 2552–2561. doi:10.1098/rspb.2012.2552.

Coleman, J.. 2011. Columbia River Crossing Test Pile Project Hydroacoustic Monitoring Final Report. David Evans and Associates, Inc. July 2011.

Conant, T. A. and A. T. Lohe. 2023. Gray Whale, Western North Pacific Distinct Population Segment (*Eschrichtius robustus*) 5-Year Review: Summary and Evaluation.

Connor, R. C., and M. R. Heithaus. 1996. Approach by great white shark elicits flight response in bottlenose dolphins. *Marine Mammal Science* 12, 602-606.

Cornick, L. A. and L. Pinney. 2011. Distribution, Habitat Use and Behavior of Cook Inlet Beluga Whales and Other Marine Mammals at the Port of Anchorage Marine Terminal Redevelopment Project June – November 2010: Scientific Marine Mammal Monitoring Program 2010 Annual Report. Prepared for U.S. Department of Transportation, Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK; and Integrated Concepts & Research Corporation (ICRC), Anchorage, AK by Alaska Pacific University, Anchorage, AK.

Cornick, L. A. and L. Saxon-Kendall. 2008. Distribution, Habitat Use, and Behavior of Cook Inlet Beluga Whales in Knik Arm, Fall 2007. Final annual report for 2007. Prepared by Alaska Pacific University, Anchorage, AK, for Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

\_\_\_\_\_. 2009. Distribution, Habitat Use and Behavior of Cook Inlet Beluga Whales and Other Marine Mammals at the Port of Anchorage Marine Terminal Redevelopment Project June–November, 2008: Scientific marine mammal monitoring report for 2008. Prepared by Alaska Pacific University, Anchorage, AK, for U.S. Department of Transportation Maritime Administration, Washington, DC, and Port of Anchorage, Anchorage, AK, and Integrated Concepts and Research Corporation (ICRC), Anchorage, AK.

Cornick, L. A. and D.J. Seagars. 2016. Final Report: Anchorage Port Modernization Project Test Pile Program Marine Mammal Observing Program. Technical report by AECOM for Kiewit. July 2016.

Cornick, L. A., L. Saxon-Kendall, and L. Pinney. 2010. Distribution, Habitat Use and Behavior of Cook Inlet Beluga Whales and Other Marine Mammals at the Port of Anchorage Marine Terminal Redevelopment Project May – November, 2009: Scientific Marine Mammal Monitoring Program 2009 annual report. Prepared by Alaska Pacific University, Anchorage, AK for U.S. Department of Transportation, Maritime Administration, Washington, DC, Port of Anchorage, Anchorage, AK, and Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

Cornick, L. A., S. Love, L. Pinney, C. Smith, and Z. Zartler. 2011. Distribution, Habitat Use and Behavior of Cook Inlet Beluga Whales and Other Marine Mammals at the Port of Anchorage Marine Terminal Redevelopment Project June - November 2011: Scientific Marine Mammal Monitoring Program 2011 Annual Report. Prepared for U.S. Department of Transportation, Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK; and Integrated Concepts and Research Corporation (ICRC), Anchorage, AK by Alaska Pacific University, Anchorage, AK.

Costa, D. P., D. E. Crocker, J. Gedamke, P. M. Webb, D. S. Houser, S. B. Blackwell, D. Waples, S. A. Hayes, and B. J. Le Boeuf. 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*. The Journal of the Acoustical Society of America 113, 1155-1165.

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, *The Effects of Noise on Aquatic Life*, Springer, pp. 367-369.

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, 13-27.

Daan, S., C. Deerenberg, and C. Dijkstra. 1996. Increased daily work precipitates natural death in the kestrel. *Journal of animal ecology*, 539-544.

Dahlheim, M., A. Schulman-Janiger, N. Black, R. Tenullo, D. Ellifrit, and K.C. Balcomb, III. 2008. Eastern Temperate North Pacific Offshore Killer Whales (*Orcinus orca*): Occurrence, Movements, and Insights into Feeding Ecology. *Mar. Mamm. Sci.* 24(3):719- 729.

Dahlheim, M. E., A. N. Zerbini, J. M. Waite, and A. S. Kennedy. 2015. Temporal changes in abundance of harbor porpoise (*Phocoena phocoena*) inhabiting the inland waters of Southeast Alaska. *Fishery Bulletin* 113(3):242-255

Di Iorio, L. and C. W. Clark. 2010. Exposure to seismic survey alters blue whale acoustic communication. *Biology letters* 6, 51-54.

Easley-Appleyard, B. and K. E. Leonard. 2022. NMFS Port of Alaska visual monitoring project report. U.S. Dept. of Commerce, NOAA, NMFS, Alaska Region, Protected Resources Division, Anchorage, AK, December 2022, 42 p.

Ebersole, B. and L. Raad. 2004. Tidal circulation modeling study to support the Port of Anchorage expansion. Appendix E: Hydrodynamics In Port of Anchorage Marine Terminal Redevelopment Environmental Assessment.

Eickmeier, J. and J. Vallarta. 2022. Estimation of high-frequency auditory masking in beluga whales by commercial vessels in Cook Inlet, Alaska. *Transportation Research Record* p.03611981221103230.

Ellison, W., B. Southall, C. Clark, and A. Frankel. 2012. A new context-based approach to assess marine mammal behavioral responses to anthropogenic sounds. *Conservation Biology* 26, 21-28.

England, G. R., D. Evans, C. Lautenbacher, C., S. Morrissey, and W. Hogarth. 2001. Joint interim report Bahamas marine mammal stranding event of 15-16 March 2000. US Department of Commerce, US Secretary of the Navy.

Erbe, C. 2008. Critical ratios of beluga whales (*Delphinapterus leucas*) and masked signal duration. *The Journal of the Acoustical Society of America* 124, 2216-2223.

Erbe, C., and J. A. Thomas. 2022. Exploring Animal Behavior Through Sound: Volume 1: Methods. Springer Nature.

Erbe, C., C. Reichmuth, K. Cunningham, K. Lucke, and R. Dooling. 2016. Communication masking in marine mammals: A review and research strategy. *Marine pollution bulletin* 103, 15-38.

Ezer, T., J. R. Ashford, C. M. Jones, B. A. Mahoney, and R. C. Hobbs. 2013. Physical–biological interactions in a subarctic estuary: How do environmental and physical factors impact the movement and survival of beluga whales in Cook Inlet, Alaska?. *Journal of Marine Systems*, 111, pp.120-129.

Fair, P.A. and P. R. Becker. 2000. Review of stress in marine mammals. *Journal of Aquatic Ecosystem Stress and Recovery* 7, 335-354.

Fay, R. 2009. Soundscapes and the sense of hearing of fishes. *Integrative Zoology* 4, 26-32.

Fay, R. R., A. N. Popper, and J. F. Webb. 2008. Introduction to fish bioacoustics. *Fish Bioacoustics: With 81 Illustrations*, 1-15.

Ferguson, M. C., C. Curtice, J. Harrison, and S. M. Van Parij. 2015. 1. Biologically Important Areas for cetaceans within US waters-overview and rationale. *Aquatic Mammals*, 41(1), p.2.

Ferrero, R. C., S. E. Moore, and R. C. Hobbs. 2000. Development of beluga, *Delphinapterus leucas*, capture and satellite tagging protocol in Cook Inlet, Alaska.

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. 2015. Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. *The Journal of the Acoustical Society of America* 138, 1702-1726.

Finneran, J. J. 2016. Auditory weighting functions and TTS/PTS exposure functions for marine mammals exposed to underwater noise, Space and Naval Warfare Systems Center Pacific San Diego United States.

Finneran, J. J. and C. E. Schlundt. 2013. Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*). The Journal of the Acoustical Society of America 133, 1819-1826.

Finneran, J. J., 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. J. Acoust. Soc. Am. 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. J. Acoust. Soc. Am. 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. J. Acoust. Soc. Am. 114, 1667-1677.

Finneran, J. J., D. A. Carder, C. E. Schlundt, and R. L. Dear. 2010. Growth and recovery of temporary threshold shift at 3 kHz in bottlenose dolphins: Experimental data and mathematical models. The Journal of the Acoustical Society of America 127, 3256-3266.

Foote, A. D., R. W. Osborne, and A. R. Hoelzel. 2004. Whale-call response to masking boat noise. Nature 428, 910.

Ford, J. K., and R. R. Reeves. 2008. Fight or flight: antipredator strategies of baleen whales. Mammal Review 38, 50-86.

Ford, J. K. B. and H. D. Fisher. 1982. Killer whale (*Orcinus orca*) dialects as an indicator of stocks in British Columbia. Rep. Int. Whal. Comm. 32:671-679.

Ford, J. K. and R. R. Reeves. 2008. Fight or flight: antipredator strategies of baleen whales. Mammal Review 38 (1):50-86.

Ford, J. K. B., G. M. Ellis, and K. C. Balcomb. 2000. Killer Whales: The Natural History and Genealogy of Orcinus orca in British Columbia and Washington State. Second edition. University of British Columbia Press, Vancouver, BC, Canada. 104 p.

Forney, K. A., J. Barlow, and J. V. Carretta. 1995. The abundance of cetaceans in California waters. Part II: Aerial surveys in winter and spring of 1991 and 1992. Fish. Bull., U.S. 93:15- 26.

Forney, K. A., B. L. Southall, E. Slooten, S. Dawson, A. J. Read, R. W. Baird, and R. L. Brownell Jr. 2017. Nowhere to go: noise impact assessments for marine mammal populations with high site fidelity. Endangered species research, 32, pp.391-413.

Frankel, A. and Clark, C., 2000. Behavioral responses of humpback whales (*Megaptera novaeangliae*) to full-scale ATOC signals. The Journal of the Acoustical Society of America 108, 1930-1937.

Fristrup, K. M., L. T. Hatch, and C. W. Clark, C.W., 2003. Variation in humpback whale (*Megaptera novaeangliae*) song length in relation to low-frequency sound broadcasts. *The Journal of the Acoustical Society of America* 113, 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 & Evolution* 14, 91-97.

Funk, D. W., T. M. Markowitz, and R. Rodrigues (eds.) 2005. Baseline Studies of Beluga Whale Habitat Use in Knik Arm, Upper Cook Inlet, Alaska, July 2004–July 2005. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, in association with HDR Alaska, Inc., Anchorage, AK, for Knik Arm Bridge and Toll Authority (KABATA), Anchorage, AK, Department of Transportation and Public Facilities, Anchorage, AK, and Federal Highway Administration, Juneau, AK.

Gailey, G., B. Würsig, 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, 75-91.

Goetz, K. T., R. A. Montgomery, J. M. Ver Hoef, R. C. Hobbs, and D. S. Johnson. 2012a. Identifying essential summer habitat of the endangered beluga whale *Delphinapterus leucas* in Cook Inlet, Alaska. *Endangered Species Research* 16:135–147.

Goetz, K. T., P. W. Robinson, R. C. Hobbs, K. L. Laidre, L. A. Huckstadt, and K. E. W. Shelden. 2012b. Movement and Dive Behavior of Beluga Whales in Cook Inlet, Alaska. AFSC Processed Rep. 2012-03. Alaska Fisheries Science Center, NOAA, NMFS, Seattle, WA.

Goetz, K. T., Shelden, K. E. W., Sims, C. L., Waite, J. M., and Wade, P. R. 2023. Abundance of belugas (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2021 and June 2022. AFSC Processed Rep. 2023-03, 47 p. Alaska Fish. Sci. Cent., NOAA, Natl. Mar. Fish. Serv., 7600 Sand Point Way NE, Seattle WA 98115.

Goldbogen, J. A., A. S. Friedlaender, J. Calambokidis, M. F. McKenna, M. Simon, and D. P. Nowacek. 2013a. Integrative approaches to the study of baleen whale diving behavior, feeding performance, and foraging ecology. *BioScience* 63, 90-100.

Goldbogen, J. A., B. L. Southall, S. L. DeRuiter, J. Calambokidis, A. S. Friedlaender, E. L. Hazen, E. A. Falcone, G. S. Schorr, A. Douglas, and D. J. Moretti, D.J., 2013b. Blue whales respond to simulated mid-frequency military sonar. *Proceedings of the Royal Society B: Biological Sciences* 280, 20130657.

Gomez, C., J. Lawson, A. J. Wright, A. Buren, D. Tollit, and V. Lesage. 2016. A systematic review on the behavioural responses of wild marine mammals to noise: the disparity between science and policy. *Canadian Journal of Zoology* 94, 801-819.

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, 811-820.

Graham, I. M., E. Pirotta, N. D. Merchant, A. Farcas, T. R. Barton, B. Cheney, G. D. Hastie, and P. M. Thompson. 2017. Responses of bottlenose dolphins and harbor porpoises to impact and vibration piling noise during harbor construction. *Ecosphere*, 8(5), p.e01793.

Green, G. A., J. J. Brueggeman, R. A. Grotfendt, C. E. Bowlby, M. L. Bonnell, and K. C. Balcomb. 1992. Cetacean distribution and abundance off Oregon and Washington, 1989- 1990, p. 1-100. In J. J. Brueggeman (ed.), Oregon and Washington marine mammal and seabird surveys. Final Report OCS Study MMS 91-0093.

Halvorsen, M. B., B. M. Casper, C. M., Woodley, T. J. Carlson, and A. N. Popper. 2012a. Threshold for onset of injury in Chinook salmon from exposure to impulsive pile driving sounds. *PLoS One* 7, e38968.

Halvorsen, M. B., D. G. Zeddies, W. T. Ellison, D. R. Chicoine, and A. N. Popper. 2012b. Effects of mid-frequency active sonar on hearing in fish. *The Journal of the Acoustical Society of America* 131, 599-607.

Härkönen, T. and K. C. Harding. 2001. Spatial structure of harbour seal populations and the implications thereof. *Canadian Journal of Zoology*, 79(12), pp.2115-2127.

Harrington, F. H. and A. M. Veitch. 1992. Calving success of woodland caribou exposed to low-level jet fighter overflights. *Arctic*, 213-218.

Harrison, J., M. C. Ferguson, L. New, J. Cleary, C. Curtice, S. DeLand, E. Fujioka, P. N. Halpin, R. B. Tyson Moore, and S. M. Van Parijs. 2023. Biologically Important Areas II for cetaceans within US and adjacent waters-Updates and the application of a new scoring system. *Frontiers in Marine Science*, 10, p.1081893.

Hart Crowser Incorporated, Pentec Environmental, and Illingworth & Rodkin, Inc. 2009. Acoustic Monitoring and In-situ Exposures of Juvenile Coho Salmon to Pile-Driving Noise at the Port of Anchorage Marine Terminal Redevelopment Project, Knik Arm, Anchorage, Alaska. Report Number 12684-03. Prepared for URS Corporation, Integrated Concepts & Research Corporation (ICRC), and Port of Anchorage.

Hastings, M. C. and A. N. Popper. 2005. Effects of sound on fish, California Department of Transportation.

Hatch, L. T., C. W. Clark, S. M. Van Parijs, A. S. Frankel, D. W. Ponirakis. 2012. Quantifying loss of acoustic communication space for right whales in and around a US National Marine Sanctuary. *Conservation Biology* 26, 983-994.

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. *The Journal of the Acoustical Society of America* 120, 3463-3466.

Henderson, D., B. Hu, and E. Bielefeld. 2008. Patterns and mechanisms of noise-induced cochlear pathology. *Auditory trauma, protection, and repair*, 195-217.

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. Fishery Bulletin 108(3):251–267.

Hobbs, R. C., K. L. Laidre, D. J. Vos, B. A. Mahoney, and M. Eagleton. 2005. Movements and area use of belugas, *Delphinapterus leucas*, in a subarctic Alaskan estuary. Arctic 58(4):331–340.

Hobbs, R. C. and K. E. W. Sheldon. 2008. Supplemental Status Review and Extinction Assessment of Cook Inlet Belugas (*Delphinapterus leucas*). AFSC Processed Report 2008-08. Alaska Fisheries Science Center, National Marine Fisheries Service, Seattle, WA.

Hobbs, R. C., C. L. Sims, and K. E. W. Sheldon.. 2012. Estimated Abundance of Belugas in Cook Inlet, Alaska, from Aerial Surveys Conducted in June 2012. NMFS, NMML Unpublished Report.

Hobbs, R. C. 2013. Detecting Changes in Population Trends for Cook Inlet Beluga Whales (*Delphinapterus leucas*) Using Alternative Schedules for Aerial Surveys. U.S. Department of Commerce, NOAA Tech. Memo. NMFS-AFSC-252.

Hoelzel, A. R., M. E. Dahlheim, and S. J. Stern. 1998. Low genetic variation among killer whales (*Orcinus orca*) in the eastern North Pacific, and genetic differentiation between foraging specialists. J. Hered. 89:121-128.

Hoelzel, A. R., A. Natoli, M. Dahlheim, C. Olavarria, R. Baird, and N. Black. 2002. Low worldwide genetic diversity in the killer whale (*Orcinus orca*): implications for demographic history. Proc. R. Soc. Lond. 269:1467-1473.

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, 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. The Journal of the Acoustical Society of America 125, EL27-EL32.

Hood, L. C., P. D. Boersma, and J. C. Wingfield. 1998. The adrenocortical response to stress in incubating Magellanic penguins (*Spheniscus magellanicus*). The Auk 115, 76-84.

Hotchkin, C. and S. Parks. 2013. The Lombard effect and other noise-induced vocal modifications: insight from mammalian communication systems. Biological Reviews 88, 809-824.

Houghton, J. P., J. E. Starkes, J. P. Stutes, M. A. Havey, J. A. Reyff, and D. E. Erikson. 2010. Acoustic monitoring and in-situ exposures of juvenile coho salmon to pile driving noise at the Port of Anchorage Marine Terminal Redevelopment Project, Knik Arm, Alaska. Page 63 in Abstracts, Alaska Marine Science Symposium, 18–22 January 2010, Anchorage, AK.

Integrated Concepts & Research Corporation (ICRC). 2009. Marine Mammal Monitoring Final Report 15 July 2008 through 14 July 2009. Construction and scientific marine mammal monitoring Associated with the Port of Anchorage Marine Terminal Redevelopment Project, in accordance with the 15 July 2008 National Marine Fisheries Service Incidental Harassment Authorization. Prepared for Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK, by Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

\_\_\_\_\_. 2010. 2009 Annual Marine Mammal Monitoring Report. Construction and scientific marine mammal monitoring Associated with the Port of Anchorage Marine Terminal Redevelopment Project, in accordance with the USACE 404/10 Permit and the NMFS 2009 Letter of Authorization. Prepared for U.S. Department of Transportation, Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK, by Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

\_\_\_\_\_. 2011. 2010 Annual Marine Mammal Monitoring Report. Construction and Scientific Marine Mammal Monitoring Associated with the Port of Anchorage Marine Terminal Redevelopment Project, in accordance with the USACE 404/10 Permit and the NMFS 2010-2011 Letter of Authorization. Prepared U.S. Department of Transportation, Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK, by Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

\_\_\_\_\_. 2012. 2011 Annual Marine Mammal Monitoring Report. Construction and Scientific Marine Mammal Monitoring Associated with the Port of Anchorage Marine Terminal Redevelopment Project, in accordance with the Letter of Authorization issued by the National Marine Fisheries for July 15, 2011 through July 14, 2012. Prepared for the U.S. Department of Transportation, Maritime Administration, Washington, DC; Port of Anchorage, Anchorage, AK, by Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

Illingworth and Rodkin, LLC (I&R). 2017. Pile Driving Noise Measurements at Atlantic Fleet Naval Installations: 28 May 2013 - 28 April 2016. Final Report. Submitted by HDR to NAVFAC Atlantic. Contract No. N62470-10-D-3011, Task Order CTO33.

\_\_\_\_\_. 2021a. Port of Alaska Modernization Program, Petroleum and Cement Terminal Hydroacoustic Monitoring Report. Prepared for the Port of Alaska, Anchorage, AK, by Illingworth & Rodkin, Cotati, CA. March 2021.

\_\_\_\_\_. 2021b. Port of Alaska Modernization Program, Petroleum and Cement Terminal Phase 2 Hydroacoustic Monitoring Report. Prepared for the Port of Alaska, Anchorage, AK, by Illingworth & Rodkin, Cotati, CA. November 2021.

\_\_\_\_\_. 2023. Memo: Vibratory Pile Removal Sound Source Levels and Air Bubble Curtain Performance. Submitted to Suzann Speckman. March 22, 2023.

Ireland, D. S., D. W. Funk, T. M. Markowitz, and C. C. Kaplan. 2005. Beluga Whale Distribution and Behavior in Eagle Bay and the Sixmile Area of Upper Cook Inlet, Alaska, in September and October 2005. Rep. from LGL Alaska Research Associates, Inc., Anchorage, Alaska, in association with HDR Alaska, Inc., Anchorage, AK, for the Knik Arm Bridge and

Toll Authority (KABATA), Anchorage, AK, Department of Transportation and Public Facilities, Anchorage, AK, and Federal Highway Administration, Juneau, AK.

International Organization for Standardization (ISO), 2017. 1996 - 2:2017 Acoustics - Description, measurement, and assessment of environmental noise - Part 2: Determination of sound pressure levels, International Organization for Standardization.

Jacobson, E. K., Boyd, C., McGuire, T. L., Shelden, K. E., Himes Boor, G. K., and Punt, A. E. (2020). Assessing cetacean populations using integrated population models: an example with Cook Inlet beluga whales. *Ecological Applications* 30(5). e02114.

Jefferson, T. A., M. A. Webber, and R. L. Pitman. 2008. *Marine Mammals of the World: a Comprehensive Guide to their Identification*. Academic Press, Elsevier, UK.

Jessop, T. S., A. D. Tucker, C. J. Limpus, J. M. Whittier, J.M., 2003. Interactions between ecology, demography, capture stress, and profiles of corticosterone and glucose in a free-living population of Australian freshwater crocodiles. *General and comparative endocrinology* 132, 161-170.

Jorgenson, J. K. and E. C. Gyselman. 2009. Hydroacoustic measurements of the behavioral response of arctic riverine fishes to seismic airguns. *The Journal of the Acoustical Society of America* 126, 1598-1606.

Knik Arm Bridge and Toll Authority (KABATA). 2011. *Ambient Noise Measurements Near the Proposed Knik Arm Crossing Site during May and July 2010*. Prepared by HDR Alaska, Inc., Anchorage, AK.

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. *J. Acoust. Soc. Am.* 106, 1142-1148.

Kastak, D., C. Reichmuth, M. M. Holt, J. Mulsow, B. L. Southall, and R. J. Schusterman. 2007. Onset, growth, and recovery of in-air temporary threshold shift in a California sea lion (*Zalophus californianus*). *The Journal of the Acoustical Society of America* 122, 2916-2924.

Kastak, D., J. Mulsow, A. Ghoul, and C. Reichmuth. 2008. Noise-induced permanent threshold shift in a harbor seal. *The Journal of the Acoustical Society of America* 123, 2986-2986.

Kastelein, R., D. De Haan, N. Vaughan, C. Staal, and N. Schooneman. 2001. The influence of three acoustic alarms on the behaviour of harbour porpoises (*Phocoena phocoena*) in a floating pen. *Marine Environmental Research* 52, 351-371.

Kastelein, R. A., W. C. Verboom, M. Muijsers, N. V. Jennings, N.V., 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, 287-307.

Kastelein, R. A., N. V. 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, 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. *The Journal of the Acoustical Society of America* 126, 476-483.

Kastelein, R. A., L. Hoek, R. Gransier, and C. A. F. de Jong. 2013. Hearing thresholds of a harbor porpoise (*Phocoena phocoena*) for playbacks of multiple pile driving strike sounds. *The Journal of the Acoustical Society of America* 134(3):2301–2306.

Kastelein, R. A., J. Schop, R. Gransier, and L. Hoek. 2014. Frequency of greatest temporary hearing threshold shift in harbor porpoises (*Phocoena phocoena*) depends on the noise level. *The Journal of the Acoustical Society of America* 136, 1410-1418.

Kastelein, R. A., R. Gransier, J. Schop, and L. Hoek. 2015. Effects of exposure to intermittent and continuous 6–7 kHz sonar sweeps on harbor porpoise (*Phocoena phocoena*) hearing. *The Journal of the Acoustical Society of America* 137, 1623-1633.

Kastelein, R. A., L. Helder-Hoek, S. Cornelisse, L. A. Huijser, and R. Gransier. 2019a. Temporary hearing threshold shift in harbor porpoises (*Phocoena phocoena*) due to one-sixth-octave noise band at 32 kHz. *Aquatic Mammals* 45, 549-562.

Kastelein, R. A., L. Helder-Hoek, S. Cornelisse, L. A. Huijser, and J. M. Terhune. 2019b. Temporary hearing threshold shift in harbor seals (*Phoca vitulina*) due to a one-sixth-octave noise band centered at 16 kHz. *The Journal of the Acoustical Society of America* 146, 3113-3122.

Kastelein, R. A., L. Helder-Hoek, and R. Gransier. 2019c. Frequency of greatest temporary hearing threshold shift in harbor seals (*Phoca vitulina*) depends on fatiguing sound level. *The Journal of the Acoustical Society of America* 145, 1353-1362.

Kastelein, R. A., L. Helder-Hoek, L. N. Defillet, L.A. Huijser, J. M. Terhune, and R. Gransier. 2021. Temporary Hearing Threshold Shift in California Sea Lions (*Zalophus californianus*) Due to One-Sixth-Octave Noise Bands Centered at 2 and 4 kHz: Effect of Duty Cycle and Testing the Equal-Energy Hypothesis. *Aquatic Mammals* 47.

Kastelein, R.A ., L. Helder-Hoek, L. N. Defillet, L. V, Acoleyen, L. A. Huijser, and J. M. Terhune. 2022a. Temporary Hearing Threshold Shift in California Sea Lions (*Zalophus californianus*) Due to One-Sixth-Octave Noise Bands Centered at 0.6 and 1 kHz. *Aquatic Mammals* 48.

Kastelein, R. A., L. Helder-Hoek, L. N. Defillet, F. Kuiphof, L. A. Huijser, and J. M. Terhune. 2022b. Temporary Hearing Threshold Shift in California Sea Lions (*Zalophus californianus*) Due to One-Sixth-Octave Noise Bands Centered at 8 and 16 kHz: Effect of Duty Cycle and Testing the Equal-Energy Hypothesis. *Aquatic Mammals* 48.

Kendall, L. S. and L. A. Cornick. 2015. Behavior and distribution of Cook Inlet beluga whales, *Delphinapterus leucas*, before and during pile driving activity. Marine Fisheries Review 77(2):106–114.

Ketten, D. R., J. A. Simmons, H. Riquimaroux, and A. M. Simmons. 2021. Functional analyses of peripheral auditory system adaptations for echolocation in air vs. water. Frontiers in Ecology and Evolution 9, 661216.

King, S. L., R. S. Schick, C. Donovan, C. G. Booth, M. Burgman, L. Thomas, and J. Harwood. 2015. An interim framework for assessing the population consequences of disturbance. Methods in Ecology and Evolution 6:1150-1158.

Klinkhart, E., K. Pitcher, and G. Blundell. 2008. Harbor Seal. Alaska State Dept. of Fish and Game. Revised and reprinted 2008. Available at: [https://www.adfg.alaska.gov/static/education/wns/harbor\\_seal.pdf](https://www.adfg.alaska.gov/static/education/wns/harbor_seal.pdf).

Krausman, P. R., L. K. Harris, C. L. Blasch, K. K. 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., 2013. The effects of noise on man. Elsevier.

Kryter, K. D., W. D. Ward, and J. D. Miller. Eldredge, D.H., 1966. Hazardous exposure to intermittent and steady-state noise. The Journal of the Acoustical Society of America 39, 451-464.

Laidre, K. L., K. E. W. Shelden, D. J. Rugh, and B. A. Mahoney. 2000. Beluga, *Delphinapterus leucas*, distribution and survey effort in the Gulf of Alaska. Marine Fisheries Review 62(3):27–36.

Lammers, M. O., M. Castellote, R. J. Small, S. Atkinson, J. Jenniges, A. Rosinski, J. N. Oswald, and C. Garner. 2013. Passive acoustic monitoring of Cook Inlet beluga whales (*Delphinapterus leucas*). The Journal of the Acoustical Society of America 134(3):2497–2504.

Lankford, S., Adams, T., Miller, R., Cech Jr, J., 2005. The cost of chronic stress: impacts of a nonhabituating stress response on metabolic variables and swimming performance in sturgeon. Physiological and Biochemical Zoology 78, 599-609.

Lefebvre, K. A., L. Quakenbush, E. Frame, K. Burek Huntington, G. Sheffield, R. Stimmelmayr, A. Bryan, P. Kendrick, H. Ziel, T. Goldstein, J. A. Snyder, T. Gelatt, F. Gulland, B. Dickerson, and V. Gil. 2016. Prevalence of algal toxins in Alaskan marine mammals foraging in a changing arctic and subarctic environment. Harmful Algae 55:13-24. DOI: [dx.doi.org/10.1016/j.hal.2016.01.007](https://dx.doi.org/10.1016/j.hal.2016.01.007).

Linnenschmidt, M., J. Teilmann, T. Akamatsu, R. Dietz, and L. A. Miller. 2013. Biosonar, dive, and foraging activity of satellite tracked harbor porpoises (*Phocoena phocoena*). Mar. Mammal Sci. 29 (2):77-97.

LGL Alaska Research Associates, Inc., and DOWL. 2015. Biological Assessment of the Cook Inlet Beluga Whale (*Delphinapterus leucas*) for the Seward Highway MP 105-107 Windy Corner Project, Municipality of Anchorage, Upper Cook Inlet, Alaska. Prepared for State of Alaska Department of Transportation and Public Facilities, Central Region.

Lomac-MacNair, K.S., L.S. Kendall, and S. Wisdom. 2013. Marine Mammal Monitoring and Mitigation, 90-Day Report, May 6- September 30, 2012, Alaska Apache Corporation 3D Seismic Program, Cook Inlet, Alaska. Prepared by SAExploration 8240 Sandlewood Pl. Suite 102 Anchorage, AK and Fairweather Science 9525 King Street, Anchorage, AK. Prepared for Apache Alaska Corporation and National Marine Fisheries Service. 87 p.

Lomac-MacNair, K., M. A. Smultea, and G. Campbell. 2014. Draft NMFS 90-Day Report for Marine Mammal Monitoring and Mitigation during Apache's Cook Inlet 2014 Seismic Survey, 2 April – 27 June 2014. Prepared for Apache Alaska Corporation, Anchorage AK. Prepared by Smultea Environmental Sciences (SES), Preston, WA.

Lopez, J. W., T. B. Parr, D. C. Allen, and C. C. Vaughn. 2020. Animal aggregations promote emergent aquatic plant production at the aquatic-terrestrial interface. *Ecology*. 101(10). <https://doi.org/10.1002/ecy.3126>

Lowry, L. F., K. J. Frost, J. M. Ver Hoef, and R. A. DeLong. 2001. Movements of satellite-tagged subadult and adult harbor seals in Prince William Sound, Alaska. *Marine Mammal Science* 17(4):835–861.

Lowry, L. F., J. J. Citta, G. O'Corry-Crowe, L. T. Quakenbush, K. J. Frost, R. Suydam, R. C. Hobbs, and T. Gray. 2019. Distribution, abundance, harvest, and status of western Alaska beluga whale, *Delphinapterus leucas*, stocks. *Mar. Fish. Rev.* 81(3-4):54-71

Lucey, W., H. E. Abraham, G. O'Corry-Crowe, K. M. Stafford, and M. Castellote. 2015. Traditional knowledge and historical and opportunistic sightings of beluga whales, *Delphinapterus leucas*, in Yakutat Bay, Alaska. *Mar. Fish. Rev.* 77(1):41-46. DOI: [dx.doi.org/10.7755/MFR.77.1.4](https://doi.org/10.7755/MFR.77.1.4).

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* 20.

Lyamin, O. I., S. M. Korneva, V. V. Rozhnov, and L. M. Mukhametov. 2011. Cardiorespiratory changes in beluga in response to acoustic noise. *Doklady Biological Sciences* 440:275–278.

Madsen, P. T. 2005. Marine mammals and noise: Problems with root mean square sound pressure levels for transients. *Journal of the Acoustical Society of America* 117, 3952-3957.

Madsen, P. T., M. Johnson, P. Miller, N. Aguilar 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. *The Journal of the Acoustical Society of America* 120, 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 2: January 1984 migration, United States, p. Medium: X; Size: Pages: 356.

Marine Mammal Commission (MMC). 2020. Letter to Ms. Jolie Harrison, National Marine Fisheries Service, Comments on Proposed Incidental Harassment Authorization and Possible Renewal for Port of Alaska's Petroleum and Cement Terminal, Anchorage, Alaska, 4 (Jan. 23, 2020).

Markowitz, T. M. and T. L. McGuire (eds.) 2007. Temporal-Spatial Distribution, Movements and Behavior of Beluga Whales near the Port of Anchorage, Alaska. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for Integrated Concepts and Research Corporation (ICRC), Anchorage, AK.

Martien, K. K., B. L. Taylor, F. I. Archer, K. Audley, J. Calambokidis, T. Cheeseman, J. De Weerdt, A. Frisch Jordán, P. Martínez-Loustatot, C. D. Ortega-Ortiz, E. M. Patterson, N. Ransome, P. Ruvelas, J. Urbán Ramírez, and F. Villegas-Zurita. 2021. Evaluation of Mexico Distinct Population Segment of Humpback Whales as units under the Marine Mammal Protection Act. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-658. DOI: doi.org/10.25923/nvw1-mz45

Martínez-Aguilar, S. 2011. Abundancia y tasa de incremento de la ballena jorobada Megaptera novaeangliae en el Pacífico mexicano. M.Sc. Thesis. Departamento de Biología Marina, Universidad Autónoma de Baja California Sur, La Paz, Mexico. 92 pp

Mayette, A., L. Loseto, T. Pearce, C.A. Hornby, and M. Marcoux. 2022. Group Characteristics and Spatial Organization of the Eastern Beaufort Sea Beluga Whale (*Delphinapterus leucas*) population using aerial photographs. Canadian Journal of Zoology. 100 (6). <https://doi.org/10.1139/cjz-2021-0232>

McGuire, T., G. Himes Boor, J. McClung, A. D. Stephens, C. Garner, K. E. W. Shelden, and B Wright. 2020. Distribution and habitat use by endangered Cook Inlet beluga whales: Patterns observed during a photoidentification study, 2005-2017. Aquatic Conservation: Marine Freshwater Ecosystem 30(12):2402–2427.

McGuire, T. and A. Stephens. 2017. Photo-identification of Beluga Whales in Cook Inlet, Alaska: summary and synthesis of 2005-2015 data. Report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for National Marine Fisheries Service, Alaska Region. 189 p. [https://docs.wixstatic.com/ugd/af2fcb\\_4a6dbde631be4de685f764a73cf16908.pdf](https://docs.wixstatic.com/ugd/af2fcb_4a6dbde631be4de685f764a73cf16908.pdf).

McHuron, E. A., M. Castellote, H. Boor, H., K. E. Shelden, A. J. Warlick, T. L. McGuire, P. R. Wade, and K. T. Goetz. 2023. Modeling the impacts of a changing and disturbed environment on an endangered beluga whale population. Ecological Modelling, 483, p.110417.

Merrick, R.L. and T. R. Loughlin. 1997. Foraging behavior of adult female and young-of-the-year Steller sea lions in Alaskan waters. Canadian Journal of Zoology 75:776–786.

Migura, M. and C. Bollini. 2021. To take or not take? Examination of the status quo process for issuing take authorizations of endangered Cook Inlet beluga whales and implications for their recovery. *Conservation Science and Practice*. <https://doi.org/10.1111/csp2.590>

Miller, J. D. 1974. Effects of noise on people. *The Journal of the Acoustical Society of America* 56, 729-764.

Miller, P. J., N. Biassoni, A. Samuels, and P. L. Tyack. 2000. Whale songs lengthen in response to sonar. *Nature* 405, 903-903.

Mitson, R. B. 1995. Underwater noise of research vessels: review and recommendations. ICES Cooperative Research Reports (CRR).

Moberg, G. P. 1987. Influence of the adrenal axis upon the gonads. *Oxford reviews of reproductive biology* 9, 456-496.

Moberg, G. P. 2000. Biological response to stress: Implications for animal welfare, in: Moberg, G.P., Mench, J.A. (Eds.), *The biology of animal stress: Basic principles and implications for animal welfare*, CABI, Wallingford, UK, pp. 1-21.

Montgomery, R. A., J. M. Ver Hoef, and P. L Boveng. 2007. Spatial modeling of haul-out site use by harbor seals in Cook Inlet, Alaska. *Marine Ecology Progress Series* 341:257–264.

Mooney, T. A., P. E. Nachtigall, M. Breese, S. Vlachos, and W. W. Au. 2009. Predicting temporary threshold shifts in a bottlenose dolphin (*Tursiops truncatus*): The effects of noise level and duration. *The Journal of the Acoustical Society of America* 125, 1816-1826.

Mooney, T. A., M. Castellote, L. Quakenbush, R. Hobbs, E. Gaglione, and C. Goertz. 2018. Variation in hearing within a wild population of beluga whales (*Delphinapterus leucas*). *Journal of Experimental Biology*, 221(9), p.jeb171959.

Moore, S. E., K. E. W. Shelden, L. L. Litzky, B. A. Mahoney, and D. J. Rugh. 2000. Beluga, *Delphinapterus leucas*, habitat associations in Cook Inlet, Alaska. *Marine Fisheries Review* 62(3):60–80.

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, 71-80.

Moulton, L. L. 1997. Marine residence, growth, and feeding by juvenile salmon in northern Cook Inlet, Alaska. *Alaska Fishery Research Bulletin* 4(2):154–177.

Muggeo, V. 2020.. Selecting number of breakpoints in segmented regression: implementation in the R package segmented. 10.13140/RG.2.2.12891.39201.

Muto, M. M., V. T. Helker, B. J. Delean, R. P. Angliss, P. L. Boveng, J. M. Breiwick, B. M. Brost, M. F. Cameron, P. J. Clapham, S. P. Dahle, M. E. Dahlheim, B. S. Fadely, M. C. Ferguson, L. W. Fritz, R. C. Hobbs, Y. V. Ivashchenko, A. S. Kennedy, J. M. London, S. A. Mizroch, R. R. Ream, E. L. Richmond, K. E. W. Shelden, K. L. Sweeney, R. G. Towell, P. R.

Wade, J. M. Waite, and A. N. Zerbini. 2020. Alaska Marine Mammal Stock Assessments, 2019. U.S. Department of Commerce, NOAA Tech. Memo. NMFS-AFSC-404.

Muto, M. M., V. T. Helker, B. J. Delean, N. C. Young, J. C. Freed, R. P. Angliss, N. A. Friday, P. L. Boveng, J. M. Breiwick, B. M. Brost, M. F. Cameron, P. J. Clapham, J. L. Crane, S. P. Dahle, M. E. Dahlheim, B. S. Fadely, M. C. Ferguson, L. W. Fritz, K. T. Goetz, R. C. Hobbs, Y. V. Ivashchenko, A. S. Kennedy, J. M. London, S. A. Mizroch, R. R. Ream, E. L. Richmond, K. E. W. Shelden, K. L. Sweeney, R. G. Towell, P. R. Wade, J. M. Waite, and A. N. Zerbini.. 2022. Alaska Marine Mammal Stock Assessments, 2021. U.S. Department of Commerce, NOAA Tech. Memo. Department of Commerce, NOAA Technical Memorandum NMFSAFSC-441. Available online at <https://media.fisheries.noaa.gov/2022-08/NOAA-TM-AFSC-441.pdf>.

Nachtigall, P. E., A. Y. Supin, A. F. Pacini, R. A. Kastelein. 2018. Four odontocete species change hearing levels when warned of impending loud sound. Integrative zoology 13, 160-165.

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 (NRC), 2005. Marine mammal populations and ocean noise: determining when noise causes biologically significant effects. National Academies Press.

National Marine Fisheries Service (NMFS). 2003. Subsistence Harvest Management of Cook Inlet Beluga Whales - Final Environmental Impact Statement. Available online at <https://repository.library.noaa.gov/view/noaa/19217>.

\_\_\_\_\_. 2008a. Final Conservation Plan for the Cook Inlet Beluga Whale (*Delphinapterus leucas*). National Marine Fisheries Service, Juneau, AK.

\_\_\_\_\_. 2008b. Cook Inlet Beluga Whale Subsistence Harvest Final Supplemental Environmental Impact Statement. Available online at <http://alaskafisheries.noaa.gov/protectedresources/whales/beluga/seis/seis0608.pdf>.

\_\_\_\_\_. 2012. Guidance Document: Data Collection Methods to Characterize Underwater Background Sound Relevant to Marine Mammals in Coastal Nearshore Waters and Rivers of Washington and Oregon

\_\_\_\_\_. 2015. Tidal Datums, Anchorage, AK, Station ID: 9455920, NOAA Tides & Currents. Available online at <http://tidesandcurrents.noaa.gov/noaatidepredictions/NOAATidesFacade.jsp?Stationid=9455920&Anchorage, AK&type=Datums>.

\_\_\_\_\_. 2016a. Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing: Underwater acoustic thresholds for onset of permanent and temporary threshold shifts, US Department of Commerce Washington, DC, p. 178.

\_\_\_\_\_. 2016b. Recovery plan for the Cook Inlet beluga whale (*Delphinapterus leucas*). National Marine Fisheries Service, Alaska Region, Protected Resources Division, Juneau, AK.

\_\_\_\_\_. 2017. Endangered Species Informal Section 7 Consultation Letter of Concurrence for the Port of Anchorage Transitional and Maintenance Dredging of the Anchorage Harbor, Knik Arm. NMFS, Alaska Region, 16 October 2017.

\_\_\_\_\_. 2018. 2018 revision to: Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing (version 2.0): Underwater thresholds for onset of permanent and temporary threshold shifts, National Oceanic and Atmospheric Administration, Silver Spring, MD.

\_\_\_\_\_. 2019. Reviewing and designating stocks and issuing Stock Assessment Reports under the Marine Mammal Protection Act. Protected Resources Policy 02-204-03. Available online: <https://media.fisheries.noaa.gov/dam-migration/02-204-03.pdf>.

\_\_\_\_\_. 2022a. 2019-2023 Gray Whale Unusual Mortality Event along the West Coast and Alaska. National Oceanic and Atmospheric Administration. Accessed 29 September 2023. Available online at <https://www.fisheries.noaa.gov/national/marine-life-distress/2019-2023-gray-whale-unusual-mortality-event-along-west-coast-and>

\_\_\_\_\_. 2022b. 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.

\_\_\_\_\_. 2022c. 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.

\_\_\_\_\_. 2022d. Beluga Whale - Cook Inlet DPS (*Delphinapterus leucas*) 5-Year Review: Summary and Evaluation. NOAA Fisheries, Alaska Region, Anchorage, AK, and National Marine Fisheries Service Alaska Fisheries Science Center, Seattle, WA. August 2022.

\_\_\_\_\_. 2022e. Essential Fish Habitat Mapper for Alaska. Available at ArcGIS Web Application (noaa.gov).

\_\_\_\_\_. 2023a. Biological Opinion for the Port of Alaska North Extension Stabilization Step 1, Anchorage, Alaska. National Marine Fisheries Service, Alaska Region. December 12, 2023.

\_\_\_\_\_. 2023b. 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-IV-Revisions-clean-1-kdr.pdf>.

Nedwell, J., and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Littlehampton. Report by Subacoustech, Ltd. to David Wilson Homes Ltd.

Nemeth, M. J., C. C. Kaplan, A. P. Ramos, G. D. Wade, D. M. Savarese, and C. D. Lyons. 2007. Baseline Studies of Marine Fish and Mammals in Upper Cook Inlet, April through October 2006. Final report prepared by LGL Alaska Research Associates, Inc., Anchorage, AK for DRven Corporation, Anchorage, AK.

Neo, Y. Y., J. Seitz, R. A. Kastelein, H. V. Winter, C. Ten Cate, and H. Slabbekoorn. 2014. Temporal structure of sound affects behavioural recovery from noise impact in European seabass. *Biological Conservation*, 178, pp.65-73.

New, L. F., J. S. Clark, D. P. Costa, E. Fleishman, M. Hindell, T. Klanjšček, D. Lusseau, S. Kraus, C. McMahon, and P. Robinson. 2014. Using short-term measures of behaviour to estimate long-term fitness of southern elephant seals. *Marine Ecology Progress Series* 496:99-108

Ng, S.L. and S. Leung. 2003. Behavioral response of Indo-Pacific humpback dolphin (*Sousa chinensis*) to vessel traffic. *Marine environmental research* 56, 555-567.

Nichols, T. A., T. W. Anderson, and A. Širović. 2015. Intermittent noise induces physiological stress in a coastal marine fish. *PLoS One*, 10(9), p.e0139157.

Norman, S.A. 2011. Nonlethal Anthropogenic and Environmental Stressors in Cook Inlet Beluga Whales (*Delphinapterus leucas*). Report prepared for NOAA Fisheries, National Marine Fisheries Service, Anchorage, AK under NMFS contract no. HA133F-10-SE-3639.

Norman, S. A., L. M. Dreiss, T. E. Niederman, and K. B. Nalven. 2022. A systematic review demonstrates how surrogate populations help inform conservation and management of an endangered species- the case of Cook Inlet, Alaska belugas. *Frontiers in Marine Science*. 9:804218. Doi: 10.3389/fmars.2022.804218.

Norman, S. A., R. C. Hobbs, L. A. Beckett, S. J. Trumble, and W. A. Smith. 2020. Relationship between per capita births of Cook Inlet belugas and summer salmon runs: age-structured population modeling. *Ecosphere* 11(1):e02955.10.1002/esc2.2955.

Nowacek, D. P., M. Johnson, and P. Tyack. 2004. North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. *Proc. R. Soc. Lond. B* 271, 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, 81-115.

North Pacific Fishery Management Council (NPFMC). 2020. Fishery Management Plan for Groundfish of the Gulf of Alaska. North Pacific Fishery Management Council, Anchorage, Alaska. November 2020.

\_\_\_\_\_. 2021. Fishery Management Plan for the Salmon Fisheries in the EEZ off Alaska. North Pacific Management Council, National Marine Fisheries Service Alaska Region, State of Alaska Department of Fish and Game. North Pacific Fishery Management Council, Anchorage, AK. November 2021.

O'Corry-Crowe, G. M., R. S. Suydam, A. Rosenberg, K. J. Frost, and A. E. Dizon. 1997. Phylogeography, population structure and dispersal patterns of the beluga whale *Delphinapterus leucas* in the western Nearctic revealed by mitochondrial DNA. Molecular Ecology 6:955-970.

O'Corry-Crowe, G., W. Lucey, F. I. Archer, and B. Mahoney. 2015. The genetic ecology and population origins of the beluga whale, *Delphinapterus leucas*, of Yakutat Bay, Alaska. Marine Fisheries Review 77(1):47–59.

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 for California Department of Transportation, CALTRANS Compendium, CALTRANS.

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. The Journal of the Acoustical Society of America 122, 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 (*Sebastodes* spp.). Canadian Journal of Fisheries and Aquatic Sciences 49, 1343-1356.

Peña, 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, 1174-1180.

Pitcher, K. W. and D. C. McAllister. 1981. Movements and haulout behavior of radio-tagged harbor seals, *Phoca vitulina*. Can. Field-Nat. 95:292-297.

Piwetz, S., T. A. Jefferson, and B. Würsig. 2021. Effects of coastal construction on Indo-Pacific humpback dolphin (*Sousa chinensis*) behavior and habitat-use off Hong Kong. Frontiers in Marine Science, 8, p.572535.

Port of Alaska (POA). 2017. Anchorage Port Modernization Program, Petroleum and Cement Terminal: Application for a Marine Mammal Protection Act Incidental Harassment Authorization. Prepared by HDR, Inc., Anchorage, AK; and Illingworth & Rodkin, Petaluma, CA; for the Port of Anchorage under contract to CH2M.

\_\_\_\_\_. 2019. Port of Alaska, Final Marine Mammal Observation Report, POA-2003-0502 M-13 Knik Arm. Prepared for USACE Alaska District and NMFS.

Popov, V. V., A. Y. Supin, V. V. Rozhnov, D. I. Nechaev, E. V. Sysuyeva, V. O. Klishin, M. G. Pletenko, and M. B. Tarakanov. 2013. Hearing threshold shifts and recovery after noise exposure in beluga whales, *Delphinapterus leucas*. Journal of Experimental Biology 216(9):1581–1596.

Popper, A. N. and M. Hastings. 2009. The effects of anthropogenic sources of sound on fishes. Journal of fish biology 75, 455-489.

Popper, A. N., A. D. Hawkins, R. R. Fay, D. A. Mann, S. Bartol, T. J. Carlson, S. Coombs, W. T. Ellison, R. L. Gentry, and M. B. Halvorsen. 2014. Effects of Sound Exposure. ASA S3/SC1. 4 TR-2014 Sound Exposure Guidelines for Fishes and Sea Turtles: A Technical Report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI, 17-21.

Prevel-Ramos, A. P., T. M. Markowitz, D. W. Funk, and M. R. Link. 2006. Monitoring Beluga Whales at the Port of Anchorage: Pre-expansion Observations, August-November 2005. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK, for Integrated Concepts and Research Corporation (ICRC), the Port of Anchorage, AK, and the Department of Transportation Maritime Administration.

Prevel-Ramos, A. M., M. J. Nemeth, and A. M. Baker. 2008. Marine Mammal Monitoring at Ladd Landing in Upper Cook Inlet, Alaska, from July through October 2007. Prepared by LGL Alaska Research Associates, Inc., Anchorage, AK for DRven Corporation, Anchorage, AK.

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, e17478.

R Core Team (2022). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. URL <https://www.R-project.org/>.

Radford, A. N., L. Lèbre, G. Lecaillon, S. L. Nedelec, and S. D. Simpson. 2016. Repeated exposure reduces the response to impulsive noise in European seabass. Global change biology, 22(10), pp.3349-3360.

Rehberg, M. J., R. D. Andrews, U. G. Swain, and D. G. Calkins. 2009. Foraging behavior of adult female Steller sea lions during the breeding season in Southeast Alaska. Marine Mammal Science 25:588–604.

Reichmuth, C. and M. M. Holt. 2013. Comparative assessment of amphibious hearing in pinnipeds. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural and Behavioral Physiology 199(6):491-507.

Reichmuth, C., A. Ghoul, J. M. 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. The Journal of the Acoustical Society of America 140, 2646-2658.

Reichmuth, C., J. M. Sills, J. Mulsow, and A. Ghoul. 2019. Long-term evidence of noise-induced permanent threshold shift in a harbor seal (*Phoca vitulina*). The Journal of the Acoustical Society of America 146, 2552-2561.

Reyff, J. 2020. Personal communication between James Reyff (I&R) and Heather Spore (HDR) regarding ambient noise levels near the Port of Alaska, 26 August 2020.

Richardson, W. J. and Malme, C.I., 1993. Man-made noise and behavioral responses. The bowhead whale, 2, pp.631-700.

Richardson, W. J., C. R. Greene, C. I. Malme, and D. H. Thomson. 1995. Marine Mammals and Noise. Academic Press, Inc., San Diego, CA.

Ridgway, S., D. Carder, R. Smith, T. Kamoinick, C. Schlundt, W. Elsberry. 1997. Behavioural 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.

Ridgway, S., D. Carder, D., J. Finneran, M. Keogh, T. Kamolnick, M. Todd, and A. Goldblatt. 2006. Dolphin continuous auditory vigilance for five days. Journal of Experimental Biology 209, 3621-3628.

Rolland, R. M., S. E. Parks, K. E. Hunt, M. Castellote, P. J. Corkeron, D. P. Nowacek, S. K. Wasser, and S. D. Kraus. 2012. Evidence that ship noise increases stress in right whales. Proceedings of the Royal Society B: Biological Sciences 279, 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, In: Service, N.M.F. (Ed.), National Oceanic and Atmospheric Administration.

Romano, T. A., J. Olschowka, S. Felten, V. Quaranta, S. Ridgway, and D. Felten. 2002b. Immune response, stress, and environment: Implications for cetaceans. Cell and Molecular Biology of Marine Mammals; CJ Pfeiffer, ed. Krieger Publishing Co., Inc.

Romano, T., M. Keogh, C. Kelly, P. Feng, L. Berk, C. Schlundt, D. Carder, D., and J. Finneran. 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.

Rugh, D. J., K. E. W. Shelden, and B. A. Mahoney. 2000. Distribution of belugas, *Delphinapterus leucas*, in Cook Inlet, Alaska, during June/July, 1993–2000. Marine Fisheries Review 62(3):6–21.

Rugh, D. J., B. A. Mahoney, and B. K. Smith. 2004. Aerial Surveys of Beluga Whales in Cook Inlet, Alaska, between June 2001 and June 2002. NOAA Technical Memorandum NMFS-AFSC-145. National Marine Fisheries Service, Seattle, WA.

Rugh, D. J., K. E. W. Shelden, C. L. Sims, B. A. Mahoney, B. K. Smith, L. K. Litzky, and R. C. Hobbs. 2005. Aerial Surveys of Belugas in Cook Inlet, Alaska, June 2001, 2002, 2003, and 2004. NOAA Technical Memorandum NMFS-AFSC-149. National Marine Fisheries Service, Seattle, WA.

Santulli, A., A. Modica, C. Messina, L. Ceffa, A. Curatolo, G. Rivas, G. Fabi, and V. D'Amelio. 1999. Biochemical responses of European sea bass (*Dicentrarchus labrax* L.) to the stress induced by off shore experimental seismic prospecting. *Marine Pollution Bulletin* 38, 1105-1114.

Saxon-Kendall, L., A. Širović, and E. H. Roth. 2013. Effects of construction noise on the Cook Inlet Beluga Whale (*Delphinapterus leucas*) vocal behavior. *Canadian Acoustics* 41(3):3–13.

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. *The Journal of the Acoustical Society of America* 107, 3496-3508.

Schmale, C. 2008. Harbor Porpoise. ADF&G Species Information Sheet available from: [https://www.adfg.alaska.gov/static/education/wns/harbor\\_porpoise.pdf](https://www.adfg.alaska.gov/static/education/wns/harbor_porpoise.pdf). Accessed: August 2018.

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, 27-36.

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, 43-52.

Scientific Fishery Systems, Inc. 2009. 2008 Underwater Noise Survey During Construction Pile Driving. Prepared by Scientific Fishery Systems under contract to Integrated Concepts and Research Corporation(ICRC), Anchorage, AK, for the Port of Anchorage, Marine Terminal Development Project. Unpublished report.

Selye, H. 1950. Stress and the general adaptation syndrome. *British medical journal* 1, 1383.

Sharma, G. D. and D. C. Burrell. 1970. Sedimentary Environment and Sediments of Cook Inlet, Alaska. *American Association of Petroleum Geologists* 54(4):647–654.

Shelden, K. E. W., D. J. Rugh, B. A. Mahoney, and M. E. Dahlheim. 2003. Killer whale predation on belugas in Cook Inlet, Alaska: Implications for a depleted population. *Marine Mammal Science* 19(3):529–544.

Shelden, K. E. W., and P. R. Wade (eds.). 2019. Aerial Surveys, Distribution, Abundance, and Trend of Belugas (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2018. AFSC Processed Rep. 2019-09. Alaska Fisheries Science Center, NOAA, NMFS, Seattle WA.

Shelden, K. E. W., D. J. Rugh, K. T. Goetz, C. L. Sims, L. Vate Brattström, J. A. Mocklin, B. A. Mahoney, B. K. Smith, and R. C. Hobbs. 2013. Aerial Surveys of Beluga Whales, *Delphinapterus leucas*, in Cook Inlet, Alaska, June 2005 to 2012. NOAA Technical Memorandum NMFS-AFSC-263. National Marine Fisheries Service, Seattle, WA.

Shelden, K. E. W., B. A. Agler, J. J. Brueggeman, L. A. Cornick, S. G. Speckman, and A. Prevel-Ramos. 2014. Harbor porpoise, *Phocoena vomerina*, in Cook Inlet, Alaska. *Marine Fisheries Review* 76(1-2):22–50.

Shelden, K. E. W., K. T. Goetz, D. J. Rugh, D. G. Calkins, B. A. Mahoney, and R. C. Hobbs. 2015a. Spatio-temporal changes in beluga whale, *Delphinapterus leucas*, distribution: results from aerial surveys (1977-2014), opportunistic sightings (1975-2014), and satellite tagging (1999-2003) in Cook Inlet, Alaska. Mar. Fish. Rev. 77(2):1-31 + appendices. DOI: dx.doi.org/10.7755/MFR.77.2.1.

Shelden, K. E. W., C. L. Sims, L. V. Brattstrom, K. T. Goetz, and R. C. Hobbs. 2015b. Aerial Surveys of Beluga Whales (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2014. AFSC Processed Rep. 2015-03. Alaska Fisheries Science Center, NOAA, NMFS, Seattle, WA.

Shelden, K. E. W., R. C. Hobbs, C. L. Sims, L. Vate Brattström, J. A. Mocklin, C. Boyd, and B. A. Mahoney. 2017. Aerial Surveys, Abundance, and Distribution of Beluga Whales (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2016. AFSC Processed Rep. 2017-09. Alaska Fisheries Science Center, NOAA, NMFS, Seattle WA. Available online at <http://www.afsc.noaa.gov/Publications/ProcRpt/PR2017-09.pdf>.

Shelden, K. E. W., K. T. Goetz, R. C. Hobbs, L. K. Hoberecht, K. L. Laidre, B. A. Mahoney, T. L. McGuire, S. A. Norman, G. O'Corry-Crowe, D. J. Vos, G. M. Ylitalo, S. A. Mizroch, S. Atkinson, K. A. Burek-Huntington, and C. Garner. 2018. Beluga whale, *Delphinapterus leucas*, satellite-tagging and health assessments in Cook Inlet, Alaska, 1999 to 2002. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-369, 227 p.

Shelden, K. E. W., T. R. Robeck, C. E. C. Goertz, T. L. McGuire, K. A. Burek-Huntington, D. J. Vos, and B. A. Mahoney. 2019. Breeding and calving seasonality in the endangered Cook Inlet beluga whale population: Application of captive fetal growth curves to fetuses and newborns in the wild. Marine Mammal Science 36(1):700–708.

Shelden, K. E. W., K. T. Goetz, A. A. Brower, A. L. Willoughby, and C. L. Sims. 2022. Distribution of belugas (*Delphinapterus leucas*) in Cook Inlet, Alaska, June 2021 and June 2022. AFSC Processed Rep. 2022-04, 80 p. Alaska Fish. Sci. Cent., NOAA, Natl. Mar. Fish. Serv., 7600 Sand Point Way NE, Seattle WA 99801.

Silber, G. K., D. W. Weller, R. R. Reeves, J. D. Adams, and T. J. Moore. 2021. Co-occurrence of gray whales and vessel traffic in the North Pacific Ocean. Endangered Species Research 44:177–201.

Sills, J. M., B. Ruscher, R. Nichols, B. L. Southall, and C. Reichmuth. 2020. Evaluating temporary threshold shift onset levels for impulsive noise in seals. The Journal of the Acoustical Society of America 148, 2973-2986.

Sinclair, E. H. and T. K. Zeppelin. 2002. Seasonal and spatial differences in diet in the Western Stock of Steller sea lions (*Eumetopias jubatus*). J. Mamm. 83(4):973-990.

Sinclair, E. H., D. S. Johnson, T. K. Zeppelin, and T. S. Gelatt. 2013. Decadal variation in the diet of Western stock Steller sea lions (*Eumetopias jubatus*). U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-248, 67 p.

Skalski, J. R., 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 (*Sebastodes* spp.). Canadian Journal of Fisheries and Aquatic Sciences 49, 1357-1365.

Small, R. J. 2010. Acoustic Monitoring of Beluga Whales and Noise in Cook Inlet: Final Report. Prepared by Alaska Department of Fish and Game for National Marine Fisheries Service. Available online at [https://alaskafisheries.noaa.gov/protectedresources/whales/beluga/acoustics/cib\\_acoustics-1007-0910.pdf](https://alaskafisheries.noaa.gov/protectedresources/whales/beluga/acoustics/cib_acoustics-1007-0910.pdf).

Small, R. J., G. W. Pendleton, and K. W. Pitcher. 2003. Trends in abundance of Alaska harbor seals, 1983–2001. Marine Mammal Science 19(2):344–362.

Small, R. J., L. F. Lowry, J. M. Ver Hoef, K. J. Frost, R. A. DeLong, and M. J. Rehberg. 2005. Differential movements by harbor seal pups in contrasting Alaska environments. Mar. Mammal Sci. 21:671-694.

Southall, B. L., A. E. Bowles, W. T. Ellison, J. J. Finneran, R. L. Gentry, C. R. Greene, D. Kastak, D. R. Ketten, J. H. Miller, P. E. Nachtigall, W. J. Richardson, J. A. Thomas, and P. L. Tyack. 2007. Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations. Aquatic Mammals 33, 411-521.

Southall, B. L., J. J. Finneran, C. Reichmuth, P. E. Nachtigall, D. R. Ketten, A. E. Bowles, W. T. Ellison, D. P. Nowacek, and P. L. Tyack. 2019. Marine mammal noise exposure criteria: Updated scientific recommendations for residual hearing effects. Aquatic Mammals 45, 125-232.

Southall, B. L., D. Tollit, J. Amaral, C. W. Clark, and W. T. Ellison. 2023. Managing human activity and marine mammals: A biologically based, relativistic risk assessment framework. Frontiers in Marine Science, 10, p.1090132.

Stone, G. S., L. Cavagnaro, A. Hutt, S. Kraus, K. Baldwin, and J. Brown. 2000. Reactions of Hector's dolphins to acoustic gillnet pingers. Published client report on contract 3071, 29.

Swartz, S. L. 2018. Gray whale: *Eschrichtius robustus*. In: Würsig, B., Thewissen, J.G.M., Kovacs, K. (eds) Encyclopedia of Marine Mammals, 3rd edn. Academic Press, Cambridge, MA, pp. 422–428.

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, 240-260.

Thomas, J. A., R. A. Kastelein, and F. T. Awbrey. 1990. Behavior and blood catecholamines of captive belugas during playbacks of noise from an oil drilling platform. Zoo Biology 9(5):393–402.

Thorson, P. and J. Reyff. 2006. San Francisco-Oakland Bay bridge east span seismic safety project marine mammals and acoustic monitoring for the marine foundations at piers E2 and T1,

January-September 2006. Prepared by SRS Technologies and Illingworth & Rodkin, Inc. for the California Department of Transportation 51.

Tollit, D., J. Harwood, C. Booth, L. Thomas, L. New, and J. Wood. 2016. Cook Inlet Beluga Whale PCoD Expert Elicitation Workshop Report. Prepared by SMRU Consulting North America. SMRUC-NANOAA915. September 2016.

Tollit, D., L. Fritz, R. Joy, K. Miller, A. Schulze, J. Thomason, W. Walker, T. Zeppelin, and T. Gelatt. 2017. Diet of endangered Steller sea lions (*Eumetopias jubatus*) in the Aleutian Islands: new insights from DNA detections and bioenergetics reconstructions. *Can. J. Zool.* 95:853-868. DOI: dx.doi.org/10.1139/cjz-2016-0253.

Tougaard, J., J. Carstensen, O. D. Henriksen, H. Skov, and J. Teilmann. 2003. Short-term Effects of the Construction of Wind Turbines on Harbour Porpoises at Horns Reef. Technical report to TechWise A/S. HME/362-02662, Hedeselskabet, Roskilde.

Tougaard, J., L. A. Kyhn, M. Amundin, D. Wennerberg, and C. Bordin. 2012. Behavioral reactions of harbor porpoise to pile-driving noise. Pages 277–280 in A.N. Popper and A. Hawkins, eds. *The Effects of Noise on Aquatic Life*. Springer, New York, NY.

Tyack, P.L. 2000. Functional aspects of cetacean communication. Pages 270–307 in J. Mann, R. C. Connor, P. L. Tyack and H. Whitehead, *eds*. *Cetacean societies: Field Studies of Dolphins and Whales*. University of Chicago Press, Chicago, IL.

Tyack, P. L. 2008. Implications for marine mammals of large-scale changes in the marine acoustic environment. *Journal of Mammalogy* 89, 549-558.

Urick, R. J. 1983. *Principles of underwater sound*. 3rd ed. McGraw-Hill, New York, NY.

URS Corporation (URS). 2007. Port of Anchorage Marine Terminal Development Project Underwater Noise Survey Test Pile Driving Program, Anchorage, Alaska. Report prepared for Integrated Concepts and Research Corporation (ICRC), Anchorage, AK.

U.S. Department of Transportation and Port of Anchorage. 2008. Rulemaking and Letters of Authorization Application for Construction Activities Associated with the Port of Anchorage Marine Terminal Redevelopment Project, July 15, 2009 – July 15, 2014. Prepared by Integrated Concepts & Research Corporation (ICRC), Anchorage, AK.

U.S. Navy. 2012. Naval Base Kitsap at Bangor Test Pile Program: Acoustic Monitoring Report. Bangor, Washington. 17 April, 2012. Prepared by: Illingworth and Rodkin, Inc.

\_\_\_\_\_. 2015. Proxy Source Sound Levels and Potential Bubble Curtain Attenuation for Acoustic Modeling of Nearshore Marine Pile Driving at Navy Installations in Puget Sound. Prepared by Michael Slater, Naval Surface Warfare Center, Carderock Division, and Sharon Rainsberry, Naval Facilities Engineering Command Northwest. Revised January 2015.

VanWormer, E., J. A. K. Mazet, A. Hall, V. A. Gill, P. L. Boveng, J. M. London, T. Gelatt, B. S. Fadely, M. E. Lander, J. Sterling, V. N. Burkanov, R. R. Ream, P. M. Brock, L. D. Rea, B. R.

Smith, A. Jeffers, M. Henstock, M. J. Rehberg, K. A. Burek-Huntington, S. L. Cosby, J. A. Hammond, and T. Goldstein. 2019. Viral emergence in marine mammals in the North Pacific may be linked to Arctic sea ice reduction. *Scientific Reports* 9, 15569. DOI: dx.doi.org/10.1038/s41598-019-51699-4.

Vos, D. J. and K. E. W. Shelden. 2005. Unusual mortality in the depleted Cook Inlet beluga population. *Northwest. Nat.* 86(2):59-65.

Wade, P. R. 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. 32 pp. <https://archive.iwc.int/>.

Wade, P. R., E. M. Oleson, and N. C. Young. 2021. Evaluation of Hawai‘i distinct population segment of humpback whales as units under the Marine Mammal Protection Act. U.S. Dep. Commer., NOAA Tech. Memo. NMFSAFSC-430, 31 p.

Ward, W. D., 1960. Recovery from high values of temporary threshold shift. *The Journal of the Acoustical Society of America* 32, 497-500.

Ward, W. 1997. Effects of high intensity sound, Pp, 1497-1507 in *Encyclopedia of Acoustics*, MJ Crocker, ed, New York: J. Wiley and Sons, Inc.

Ward, W. D., A. Glorig, and D. Sklar. 1958. Dependence of temporary threshold shift at 4 kc on intensity and time. *The Journal of the Acoustical Society of America* 30, 944-954.

\_\_\_\_\_. 1959. Temporary threshold shift from octave-band noise: applications to damage-risk criteria. *The Journal of the Acoustical Society of America* 31, 522-528.

Wardle, C., T. Carter, G. Urquhart, A. Johnstone, A. Ziolkowski, G. Hampson, and D. Mackie. 2001. Effects of seismic air guns on marine fish. *Continental shelf research* 21, 1005-1027.

Warlick, A. J., Himes Boor, G. K., McGuire, T. L., Shelden, K. E. W., Jacobson, E. K., Boyd, C., Wade, P. R., Punt, A. E., and S. J., Converse. 2023. Identifying Demographic and Environmental Drivers of Population Dynamics and Viability in an Endangered Top Predator Using an Integrated Model.

Wartzok, D. and D. R. Ketten. 1999. Marine mammal sensory systems. *Biology of marine mammals* 1, 117-175.

Wartzok, D., A. Popper, J. Gordon, and J. Merrill. 2004. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal* 37.

Weilgart, L. S. 2007. The impacts of anthropogenic ocean noise on cetaceans and implications for management. *Canadian journal of zoology* 85, 1091-1116.

Weller, D. W., R. Anderson, B. Easley-Appleyard, G. Ferrara, A. R. Lang, J. Moore, P. E. Rosel, B. Taylor, and N. C. Young. 2023. Distinct population segment analysis of western North Pacific gray whales (*Eschrichtius robustus*) under the Endangered Species Act. U.S. Department of

Commerce, NOAA Technical Memorandum NMFS-SWFSC-679. <https://doi.org/10.25923/7ggf-9817>

Whitehead, H. 2016. Consensus movements by groups of sperm whales. *Marine Mammal Science*. DOI: 10.1111/mms.12338

Wild, L. A., H. E. Riley, H. C. Pearson, C. M. Gabriele, J. L. Neilson, A. Szabo, Moran, J. M. Straley, and S. DeLand. 2023. Biologically Important Areas II for cetaceans within US and adjacent waters—Gulf of Alaska Region. *Frontiers in Marine Science*, 10, p.763.

Witteveen, B. H., G. A. Worthy, K. M. Wynne, and R. J. Foy. 2011. Modeling the diet of humpback whales: An approach using stable carbon and nitrogen isotope ratios in a Bayesian mixing model. *Marine Mammal Science* 28(3):233–250.

Womble, J. N. 2012. Foraging ecology, diving behavior, and migration patterns of harbor seals (*Phoca vitulina richardii*) from a glacial fjord in Alaska in relation to prey availability and oceanographic features. Ph.D. Dissertation, Oregon State University.

Womble, J. N. and S. M. Gende. 2013. Post-breeding season migrations of a top predator, the harbor seal (*Phoca vitulina richardii*), from a marine protected area in Alaska. *PLoS ONE* 8(2):e55386

Wynne, K. W., R. Foy, and L. Buck. 2011. Gulf Apex Predator-prey Study (GAP): FY2004-06 Standardized Comprehensive Report NOAA Federal Program. Available at: [http://seagrant.uaf.edu/map/gap/reports/GAP-04-06\\_Final.pdf](http://seagrant.uaf.edu/map/gap/reports/GAP-04-06_Final.pdf)

Yazvenko, S., T. McDonald, S. Blokhin, S. Johnson, H. Melton, M. Newcomer, R. Nielson, and P. Wainwright. 2007. Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. *Environmental Monitoring and Assessment* 134, 93-106.

Young, N. C., A. A. Brower, M. M. Muto, J. C. Freed, R. P. Angliss, N. A. Friday, P. L. Boveng, B. M. Brost, M. F. Cameron, J. L. Crance, S. P. Dahle, B. S. Fadely, M. C. Ferguson, K. T. Goetz, J. M. London, E. M. Oleson, R. R. Ream, E. L. Richmond, K. E. W. Shelden, K. L. Sweeney, R. G. Towell, P. R. Wade, J. M. Waite, and A. N. Zerbini. 2023. Alaska marine mammal stock assessments, 2022. U.S. Department of Commerce, NOAA Technical Memorandum NMFSAFSC-474, 316 p.

Zelick, R., D. A. Mann, and A. N. Popper. 1999. Acoustic communication in fishes and frogs, Comparative hearing: Fish and amphibians, Springer-Verlag, New York, NY, pp. 363-411.

Zerbini, A. N., K. M. Parsons, K. T. Goetz, R. P. Angliss, and N. C. Young. 2022. Identification of demographically independent populations within the currently designated Southeast Alaska harbor porpoise stock. U.S. Department of Commerce, NOAA Technical Memo NMFS-AFS448.