References – Navy Q8 Bulkhead Rulemaking

- Ahroon, William A., Roger P. Hamernik, and Sheau-Fang Lei. "The effects of reverberant blast waves on the auditory system." *The Journal of the Acoustical Society of America* 100.4 (1996): 2247-2257.
- American National Standards Institute. 1986. Methods for measurement of impulse noise (ANSI S12.7-1986). New York: Acoustical Society of America.
- Ampela, K., M. DeAngelis, R. DiGiovanni, Jr., and G. Lockhart. 2019. Seal Tagging and Tracking in Virginia, 2017-2018. Prepared for U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract No. N62470-15-8006, Task Order 17F4058, issued to HDR, Inc., Virginia Beach, Virginia. March 2019.
- Ana P B Costa, Wayne Mcfee, Lynsey A Wilcox, Frederick I Archer, Patricia E Rosel, The common bottlenose dolphin (*Tursiops truncatus*) ecotypes of the western North Atlantic revisited: an integrative taxonomic investigation supports the presence of distinct species, *Zoological Journal of the Linnean Society*, 2022;, zlac025, <u>https://doi.org/10.1093/zoolinnean/zlac025</u>
- ANSI. 2005. Measurement of Sound Pressure Levels in Air (ANSI S1.13-2005). Acoustical Society of America, Woodbury, NY.
- Archer, F.I., S.L. Mesnick, and A.C. Allen. 2010. Variation and predictors of vessel response behavior in a tropical dolphin community. NOAA Technical Memorandum NMFS-SWFSC-457, National Marine Fisheries Service, 60 p.2
- Aschettino, J.M., D. Engelhaupt, A. Engelhaupt, M. Richlen, and A. DiMatteo. 2018. Mid-Atlantic Humpback Whale Monitoring, Virginia Beach, Virginia: 2017/18 Annual Progress Report. Final Report. Prepared for U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract N62470-15-8006, Task Order 17F4013, issued to HDR, Inc., Virginia Beach, Virginia. June 2018.
- Barco, S., and W.M. Swingle. 2014. Marine mammal species likely to be encountered in the coastal waters of Virginia from analysis of stranding data VAQF Scientific Report # 2014-07a. Prepared for the Virginia Department of Mines, Minerals and Energy by Virginia Aquarium & Marine Science Center Foundation.
- Beauchamp, Guy, and Barbara Livoreil. "The effect of group size on vigilance and feeding rate in spice finches (Lonchura punctulata)." *Canadian Journal of Zoology* 75.9 (1997): 1526-1531.
- Bejder, Lars, et al. "Impact assessment research: use and misuse of habituation, sensitisation and tolerance in describing wildlife responses to anthropogenic stimuli." *Marine Ecology Progress Series* 395 (2009): 177-185.

- Bettridge, S., C.S. Baker, J. Barlow, P.J. Clapham, M. Ford, D. Gouveia, D. Mattila, R.M. Pace III, P.E. Rosel, G.K. Silber, and P.R. Wade. 2015. Status Review of the Humpback Whale (Megaptera novaeangliae) Under the Endangered Species Act. NOAA Technical Memorandum NMFSSWFSC-540. National Marine Fisheries Service, La Jolla, California. 263 pp.
- Blecha, F. 2000. Immune system response to stress. Pages 111-122 in G.P. Moberg and J.A. Mench, eds. The Biology of Animal Stress: Basic Principles and Implications for Animal Welfare. CABI Publishing, Oxon, United Kingdom.
- Bowles, Ann E., et al. "Relative abundance and behavior of marine mammals exposed to transmissions from the Heard Island Feasibility Test." *The Journal of the Acoustical Society of America* 96.4 (1994): 2469-2484.

Caltrans. (2015). *Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish*. Sacramento, CA: California Department of Transportation Division of Environmental Analysis. (CTHWANP-RT-15-306.01.01). Retrieved from http://www.dot.ca.gov/hq/env/bio/files/bio_tech_guidance_hydroacoustic_effects_110215.pdf.

- Caltrans. (2020). Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. Retrieved from https://dot.ca.gov/-/media/dotmedia/programs/environmental-analysis/documents/env/hydroacoustic-manual.pdf.
- 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.
- Cetacean and Turtle Assessment Program (CeTAP). 1981. A characterization of marine mammals and turtles in the mid- and north-Atlantic areas of the U.S. outer continental shelf. Cetacean and Turtle Assessment Program, University of Rhode Island. Annual Report for 1979 # AA551-CT8- 48 to the Bureau of Land Management, Washington, D.C. 77 p.
- Connor, Richard C., and Michael R. Heithaus. "Approach by great white shark elicits flight response in bottlenose dolphins." *Marine Mammal Science* 12.4 (1996): 602-606.
- Costidis, A.M., Swingle, W.M., Barco, S.G., Bates, E.B., Mallette, S.D., Rose, S.A., and Epple, A.L. 2019. Virginia Sea Turtle and Marine Mammal Stranding Network 2018 Grant Report. Final Report to the Virginia Coastal Zone Management Program, NOAA CZM Grant NA17NOS4190152, Task 49. VAQF Scientific Report 2019-01, Virginia Beach, Virginia, 57 pp.
- Costa, A.P.B., Archer, F.I., Rosel, P.E. *et al. Tursiops truncatus nuuanu*, a new subspecies of the common bottlenose dolphin from the eastern tropical Pacific. *J Mammal Evol* (2022). https://doi.org/10.1007/s10914-022-09641-5

- Cotter, M.P. 2019. Aerial Surveys for Protected Marine Species in the Norfolk Canyon Region: 2018 Annual Progress Report. Prepared for U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract No. N62470-15-D-8006 Task Order 18F4019, issued to HDR, Inc., Virginia Beach, Virginia. March 2019.
- 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.
- Curry, B. and Smith, J. 1997. Phylogeographic structure of the bottlenose dolphin (Tursiops truncates): stock identification nd implications for management. In A. Dizon, S. Chivers, and W. Perrin, Molecular genetics of marine mammals. Spec. Publ. 3 (pp. 327-247). Society for Marine Mammology.
- Dazey et al. (2012). Assessment of Underwater Anthropogenic Noise Associated with Construction Activities in Bechers Bay, Santa Rosa Island, California. Journal of Environmental Protection, 2012, 3, 1286-1294.
- Denes, S. L., G.J. Warner, M.E. Austin, and A.O. MacGillivray. 2016. Hydroacoustic Pile Driving Noise Study – Comprehensive Report. Document 001285, Version 2.0. Technical report by JASCO Applied
- Sciences for Alaska Department of Transportation & Public Facilities. Anchorage, AK: JASCO Applied Sciences.
- Department of the Navy (DoN). 2009. Marine Resources Assessment for the Chesapeake Bay. Department of the Navy, U.S. Fleet Forces Command, Norfolk, Virginia. Contract #N62470-02- D-9997, CTO 0127. Prepared by Geo-Marine, Inc., Hampton, Virginia.
- DiGiovanni, R.A, S.AA, Wood, G.T., Waring, A., Chaillet and Josephson., E. Trends in harbor and gray seal counts and habitat use at southern New England And Long Island index sites. Poster presented at the Society for Marine Mammology, Tampa, Florida USA, October 2011.
- 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
- Engelhaupt, A., J.M. Aschettino, and D. Engelhaupt. 2017. VACAPES Outer Continental Shelf Cetacean Study, Virginia Beach, Virginia: 2016 Annual Progress Report. Prepared for U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract Nos. N62470-10-3011, Task Orders 03 and 54, and N62470-15-8006, Task Order 35, issued to HDR Inc., Virginia Beach, Virginia. August 2017.
- Engelhaupt, A., J.M. Aschettino, and D. Engelhaupt. 2018. VACAPES Outer Continental Shelf Cetacean Study, Virginia Beach, Virginia: 2017 Annual Progress Report. Prepared for

U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract No. N62470-15-8006, Task Order 35, issued to HDR Inc., Virginia Beach, Virginia. May 2018.

- Everitt, R.D., C.H. Fiscus, and R.L. DeLong. 1980. Northern Puget Sound marine mammals. Interagency Energy/Environment R&D Program Report EPA-600/7-80-139, Prepared by National Marine Fisheries Service for Environmental Protection Agency 150p. Finneran, J.J. 2015. Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. Journal of the Acoustical Society of America 138:1702-1726.
- Fay, R.R., A.N. Popper, and J.F. Webb. 2008. Introduction to fish bioacoustics. In: Webb, J.F., R.R. Fay, and A.N. Popper, eds. Fish Bioacoustics. Springer Handbook of Auditory Research 32:1-15.
- Fewtrell, J.L., and R.D. McCauley. 2012. Impact of air gun noise on the behaviour of marine fish and squid. Marine Pollution Bulletin 64: 984-993.
- Finneran, J.J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway. 2000. Auditory and behavioral responses of bottlenose dolphins (Tursiops truncatus) and a beluga whale (Delphinapterus leucas) to impulsive sounds resembling distant signatures of underwater explosions. Journal of the Acoustical Society of America 108:417-431.
- Finneran, J.J., C.E. Schlundt, R. Dear, D.A. Carder, and S.H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. Journal of the Acoustical Society of America 111:2929-2940.
- Finneran, J.J. and A.K. Jenkins. 2012. Criteria and thresholds for U.S. Navy acoustic and explosive effects analysis. Technical Report, Space and Naval Warfare Systems Center Pacific, U.S. Navy: 64.
- Finneran, James J., et al. "Auditory and behavioral responses of California sea lions (Zalophus californianus) to single underwater impulses from an arc-gap transducer." *The Journal of the Acoustical Society of America* 114.3 (2003): 1667-1677.
- Finneran, J.J. 2015. Noise-induced hearing loss in marine mammals: A review of temporary threshold shift studies from 1996 to 2015. Journal of the Acoustical Society of America 138 (3):1702-1726.
- Foote, Andrew D., Richard W. Osborne, and A. Rus Hoelzel. "Whale-call response to masking boat noise." *Nature* 428.6986 (2004): 910-910.
- Frankel, A. S., and C. W. Clark. "Behavioral responses of humpback whales (Megaptera novaeangliae) to full-scale ATOC signals." *The Journal of the Acoustical Society of America* 108.4 (2000): 1930-1937.

- Fristrup, Kurt M., Leila T. Hatch, and Christopher W. Clark. "Variation in humpback whale (Megaptera novaeangliae) song length in relation to low-frequency sound broadcasts." *The Journal of the Acoustical Society of America* 113.6 (2003): 3411-3424.
- Gailey, Glenn, Bernd Würsig, and Trent L. McDonald. "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 (2007): 75-91.
- Gaskin, D. 1992. Status of the harbor porpoise, Phocoena phocoena, in Canada. Canadian Field Naturalist, 36-54.
- Goldbogen, Jeremy A., et al. "Blue whales respond to simulated mid-frequency military sonar." *Proceedings of the Royal Society B: Biological Sciences* 280.1765 (2013): 20130657.
- Goldbogen, Jeremy A., et al. "Integrative approaches to the study of baleen whale diving behavior, feeding performance, and foraging ecology." *BioScience* 63.2 (2013): 90-100.
- Gomez, Catalina, et al. "Predicted distribution of whales at risk: identifying priority areas to enhance cetacean monitoring in the Northwest Atlantic Ocean." *Endangered Species Research* 32 (2017): 437-458.
- Goold, John C. "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 (1996): 811-820.
- Halvorsen, M.B., D.G. Zeddies, W.T. Ellison, D.R. Chicoine, and A.N. Popper. 2012a. Effects of midfrequency active sonar on hearing in fish. Journal of the Acoustical Society of America 131 (1):599-607. Halvorsen, M.B., B.M. Casper, C.M. Woodley, T.J. Carlson, and A.N. Popper. 2012b. Threshold for onset of injury in chinook salmon from exposure to impulsive pile driving sounds. PLoS ONE 7 (6).
- Hammill et al. (1998). Hammill, M.O., Stenson, G.B., Myers, R.A., & Stobo, W.T. Pup production and population trends of the grey seal (Halichoerus grypus) in the Gulf of St. Lawrence. Canadian Journal of Fisheries and Aquatic Sciences, 423-430.
- Hampton Roads Connector Partners. 2024 IHA Marine Mammal Annual Monitoring Report for the Hampton Roads Bridge-Tunnel Expansion Project.
- Harrington, Fred H., and Alasdair M. Veitch. "Calving success of woodland caribou exposed to low-level jet fighter overflights." *Arctic* (1992): 213-218.
- Hastings, M.C., and A.N. Popper. 2005. Effects of sound on fish. Technical report for Jones and Stokes to California Department of Transportation.
- Hayes, S., E. Josephson, K. Maze-Foley, and P.E. Rosel, 2021. U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments – 2021. NOAA Tech Memo.

- Hayes, S.A, Josephson, E., Maze-Foley, K., & Rosel, P.E. 2017. US Atlantic and Gulf of Mexico Marine Mammal Stock Assessments --2016. NOAA Tech Memo NMFS NE.
- Hemilä, S., S. Nummela, A. Berta, and T. Reuter. 2006. High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on inertial and cochlear constraints (L). Journal of the Acoustical Society of America 120(6):3463-3466.
- Henderson, D., B. Hu, and E. Bielefeld. 2008. Patterns and mechanisms of noise-induced cochlear pathology. pp. 195-217 In Schacht, J., A.N. Popper, and R.R Fay (Eds.) Auditory Trauma, Protection, and Repair. New York: Springer.
- Hersh, S and Duffield, D. 1990. Distinction between northwest Atlantic offshore and coastal bottlenose dolphins based on hemoglobin profile and morphometry. In S. Leatherwood, and R. Reeves, The bottlenose dolphin. (pp. 129-139). San Diego: Academic Press
- Holberton, R.L., B. Helmuth, and J.C. Wingfield. 1996. The corticosterone stress response in gentoo and king penguins during the non-fasting period. Condor 98 (4):850-854.
- Hood, L.C., P.D. Boersma, and J.C. Wingfield. 1998. The adrenocortical response to stress in incubating Magellanic penguins (Spheniscus magellanicus). Auk 115 (1):76-84.
- Hyrenbach, D., F. Huettmann, and J. Chardine. 2012. PIROP Northwest Atlantic 1965-1992. Data downloaded from OBIS-SEAMAP (http://seamap.env.duke.edu/dataset/280) on 2019-04-11.
- Illingworth and Rodkin. (2017). Pile Driving Noise Measurements at Atlantic Fleet Naval Installations: 28 May 2013–28 April 2016.
- Jensen, A.S., and G.K. Silber. 2004. Large whale ship strike database. NOAA Technical Memorandum NMFS-OPR-25:1–37.
- 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.
- Jones, D.V., D.R. Rees, and B.A. Bartlett. 2018. Haul-out Counts and Photo-Identification of Pinnipeds in Chesapeake Bay and Eastern Shore, Virginia: 2017/2018 Annual Progress Report. Final Report. Prepared for U.S. Fleet Forces Command, Norfolk, Virginia. December 2018.
- Jorgenson, J.K., and E.C. Gyselman. 2009. Hydroacoustic measurements of the behavioral response of arctic riverine fishes to seismic airguns. Journal of the Acoustical Society of America 126 (3):1598-1606.
- 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.

- Kastelein, R. A., et al. "The influence of acoustic emissions for underwater data transmission on the behaviour of harbour porpoises (Phocoena phocoena) in a floating pen." *Marine Environmental Research* 59.4 (2005): 287-307.
- Kastelein, Ronald A., et al. "The influence of underwater data transmission sounds on the displacement behaviour of captive harbour seals (Phoca vitulina)." *Marine Environmental Research* 61.1 (2006): 19-39.
- Kastelein, R.A., J. Schop, R. Gransier, and L. Hoek. 2014. Frequency of greatest temporary hearing threshold shift in harbor porpoise (Phocoena phocoena) depends on the noise level. Journal of the Acoustical Society of America 136:1410-1418.
- Kenney, R. D. 1990. Bottle nose dolphins off the northeastern United States. In S. Leatherwood, & R. Reeves. The bottlenose dolphin (pp. 369-386). San Diego: Academic Press.
- Knowlton, A.R., J.B. Ring, and B. Russell. 2002. Right whale sightings and survey effort in the midAtlantic region: migratory corridor, time frame, and proximity to port entrances. Report to the NMFS Ship Strike Working Group, Silver Spring, Maryland.
- Krausman, P.R., L.K. Harris, C.L. Blasch, K.K.G. Koenen, and J. Francine. 2004. Effects of military operations on behavior and hearing of endangered Sonoran pronghorn. Wildlife Monographs 157:1-41.
- Kryter, K.D., W.D. Ward, J.D. Miller, and D.H. Eldredge. 1966. Hazardous exposure to intermittent and steady-state noise. Journal of the Acoustical Society of America 39:451-464.
- LaBrecque, E.; Curtice, C.; Harrison, J.; Van Parijs, S.M.; & Halpin, P.N. 2015. Biologically Important Areas for cetaceans within U.S. waters -East coast region. In S. V. Parijs, C.Curtice, & M. Ferguson, Biologically Important Areas for cetaceans within U.S. waters. Aquatic Mammals (Special Issue) (pp. 17-29).
- Lankford, S.E., T.E. Adams, R.A. Miller, and J.J. Cech. 2005. The cost of chronic stress: Impacts of a nonhabituating stress response on metabolic variables and swimming performance in sturgeon. Physiological and Biochemical Zoology 78:599-609.
- Lusseau, D. and L. Bejder. 2007. The long-term consequences of short-term responses to disturbance experiences from whale watching impact assessment. International Journal of Comparative Psychology 201(2-3):228-236.
- 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.
- Mallette S.D., G.G. Lockhart, R.J. McAlarney, E.W. Cummings, D.A. Pabst, W.A. McLellan, and S.G. Barco. 2016a. Offshore energy planning for Marine Protected Species off of Virginia's coast: A Scientific Report 2016-04.

- Mallette, S.D., G.G. Lockhart, R.J. McAlarney, E.W. Cummings, D.A. Pabst, W.A. McLellan, and S.G. Barco. 2016b. Aerial Survey Baseline Monitoring in the Continental Shelf Region of the VACAPES OPAREA: 2015 Annual Progress Report. Prepared for U.S. Fleet Forces Command. Submitted to Naval Facilities Engineering Command Atlantic, Norfolk, Virginia, under Contract No. N62470-15-D-8006, Task Order 05, issued to HDR, Inc., Virginia Beach, Virginia. March 2016.
- Malme, C. I., et al. Investigations of the potential effects of underwater noise from petroleumindustry 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), 1984.
- McLellan, W. 2017. UNCW Norfolk Canyon Aerial Survey Left side 2016. Data downloaded from OBIS-SEAMAP (http://seamap.env.duke.edu/dataset/1479) on 2019-05-06.
- Mead, J., & Potter, C. (1995). Recognizing two populations for the bottlenose dolphin (Tursiops truncatus) off the Atlantic coast of North America: morphologic and ecologic considerations. International Biological Research Institute Reports, 31-43.
- Morton, Alexandra B., and Helena K. Symonds. "Displacement of Orcinus orca (L.) by high amplitude sound in British Columbia, Canada." *ICES Journal of Marine Science* 59.1 (2002): 71-80.
- Miller, J.D. 1974. Effects of noise on people. Journal of the Acoustical Society of America 56:729-764
- Miller, Patrick J. *Maintaining contact: design and use of acoustic signals in killer whales, Orcinus orca.* WOODS HOLE OCEANOGRAPHIC INSTITUTION MA, 2000.
- 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.
- 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 Marine Fisheries Service (NMFS). 2018. 2018 Revisions to: Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing (Version 2.0): Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts. U.S. Department of Commerce, NOAA. NOAA Technical Memorandum NMFS-OPR-59, 169 p
- National Research Council (NRC). 2005. Marine mammal populations and ocean noise: Determining when noise causes biologically significant effects. National Academy of Sciences: 142.

- NAVFAC Mid-Atlantic. (2022). Data for In-Water Construction Activities, June 2022 through April 2026 for Construction of Pier 3 t Naval Station Norfolk.
- NAVFAC SW (Naval Facilities Engineering Systems Command Southwest). (2020). Compendium of Underwater and Airborne Sound Data During Pile Installations and Inwater Demolition Activities in San Diego Bay, California. October 2020. Prepared by Tierra Data, Inc.
- Navy. (2001). Shock trial of the WINSTON S. CHURCHILL (DDG 81): Final Environmental Impact Statement. Department of the Navy.
- Navy. (2015). Proxy Soruce Sound Levels and Potential Bubble Curtain Attenuation for Acoustic Modeling of Nearshore Marine Pile Driving a Navy Installations in Puget Sound. Naval Facilities Engineering Command Northwest.
- Navy. (2017). U.S. Navy Marine Species Density Database Phase III for the Atlantic Fleet Training and Testing Study Area. NAVFAC Atlantic Final Technical Report. Norfolk: Naval Facilities Engineering Command Atlantic.
- Nedwell, J. and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Li
- Nowacek, Douglas P., et al. "Responses of cetaceans to anthropogenic noise." *Mammal Review* 37.2 (2007): 81-115.
- 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.
- Parks, Susan E., Christopher W. Clark, and Peter L. Tyack. "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* 122.6 (2007): 3725-3731.
- Paxton, A.B., J.C. Taylor, D.P. Nowacek, J. Dale, E. Cole, C.M. Voss, and C.H. Peterson. 2017. Seismic survey noise disrupted fish use of a temperate reef. Marine Policy 78: 68-73.
- Pearson, W.H., J.R. Skalski, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (Sebastes spp.). Canadian Journal of Fisheries and Aquatic Sciences 49:1343-1356.
- Pena, H., N.O. Handegard, and E. Ona. 2013. Feeding herring schools do not react to seismic air gun surveys. ICES Journal of Marine Science 70 (6):1174-1180.
- Read, A. 1999. Harbor porpoise, Phocoena phocoena (Linnaeus, 1758). In S. H. Ridgway, & R. Harrison, Handbook of Marine Mammals (pp. 323-355). San Diego: Academic Press.

- Rees, D.R., D.V. Jones, and B.A. Bartlett. 2016. Haul-out Counts and Photo-Identification of Pinnipeds in Chesapeake Bay, Virginia: 2015/16 Annual Progress Report. Final Report. Prepared for U.S. Fleet Forces Command, Norfolk, Virginia. November 2016.
- 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. Sillis, A. Rouse, and B.L. Southall. 2016. Low-frequency temporary threshold shift not observed in spotted or ringed seals exposed to single air fun impulses. Journal of the Acoustical Society of America 140:2648-2658.
- 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, Sam H., and Donald A. Carder. "Hearing deficits measured in some Tursiops truncatus, and discovery of a deaf/mute dolphin." *The Journal of the Acoustical Society of America* 101.1 (1997): 590-594.
- 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.
- Rosel, P.E., France, S.C., Wang, J.Y., & Kocher, T.D. 1999. Genetic structure of harbor porpoise Phocoena phocoena populations in the northwest Atlantic based on mitochondrial and nuclear markers. Molecular Ecology, 541-54.
- Salisbury, D.P., C.W. Clark, and R.N. Rice. 2016. Right whale occurrence in the coastal waters of Virginia, U.S.A.: implications of endangered species presence in a rapidly developing energy market. Marine Mammal Science 32(2):509–519.
- Santulli, A., A. Modica, C. Messina, L. Ceffa, A. Curatolo, G. Rivas, et al. 1999. Biochemical responses of European sea bass (Dicentrarchus labrax L.) to the stress induced by offshore experimental seismic prospecting. Marine Pollution Bulletin 38 (12):1105-1114.
- 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.
- Seyle, H. 1950. Stress and the general adaptation syndrome. British Medical Journal June 17:1383-1392.
- Schlundt, C.E., J.J. Finneran, D.A. Carder, and S.H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, Tursiops truncatus, and white whales, Delphinapterus leucas, after exposure to intense tones. Journal of the Acoustical Society of America 107:3496-3508

- Skalski, J.R., W.H. Pearson, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (Sebastes spp.). Canadian Journal of Fisheries and Aquatic Sciences 49(7):1357-1365.
- Southall, B.L., A.E. Bowles, W.T. Ellison, J.J. Finneran, R.L. Gentry, C.R. Greene, et al. 2007. Marine mammal noise exposure criteria: initial scientific recommendations. Aquatic Mammals 33(4):411-521.
- Southall, Brandon L., et al. "Marine mammal noise exposure criteria: Updated scientific recommendations for residual hearing effects." *Aquatic Mammals* 45.2 (2019): 125-232.
- Swingle, W.M., C.M. Trapani, L.R. D'Eri, and M.C. Lynott, M.C. 2013. Marine Mammal and Sea Turtle Stranding Response 2012 Grant Report. Final Report to the Virginia Coastal Zone Management Program, NOAA CZM Grant #NA11NOS4190122, Task 49. VAQF Scientific Report 2013-01. Virginia Beach, Virginia. 35 pp.
- Swingle, W.M., M.C. Lynott, E.B. Bates, G.G. Lockhart, K.M. Phillips, K.R. Rodrique, S.A. Rose, and K.M. Williams. 2015. Virginia Sea Turtle and Marine Mammal Stranding Network 2014 Grant Report. Final Report to the Virginia Coastal Zone Management Program, NOAA CZM Grant #NA13NOS4190135, Task 49. VAQF Scientific Report 2015-01. Virginia Beach, Virginia. 40 pp.
- Smith, T. D., J. Allen, P. J. Clapham, P. S. Hammond, S. Katona, F. Larsen, J. Lien, D. Mattila, P. J. Palsbøll, J. Sigurjonsson, P. T. Stevick, and N. Øien. 1999. An ocean-basin-wide mark-recapture study of the North Atlantic humpback whale (Megaptera novaeangliae). Marine Mammal Science. 15(1):1-32.
- Stevick et al. (2003). Stevick, P.T.; Allen, J.; Clapham, P. J.; Friday, N.; Katona, 5. K.; Larsen, F.; Lien, J.; Mattila, D.K., ... Hammond, P.S. North Atlantic humpback whale abundance and rate of increase four decades after protection from whaling. Marine Ecology Progress Series, 263-273.
- Stone, Eric. "Separating the noise from the noise: a finding in support of the "niche hypothesis," that birds are influenced by human-induced noise in natural habitats." *Anthrozoös* 13.4 (2000): 225-231.
- Straley, J. (1990). Fall and winter occurrence of humpback whales (Megaptera novaeangliae) in southeastern Alaska. Reports of the International Whaling Commission, 319-323.
- Swingle, W.M., S.G. Barco, A.M. Costidis, E.B. Bates, S.D. Mallette, S.A. Rose, and A.L. Epple. 2018. Virginia Sea Turtle and Marine Mammal Stranding Network 2017 Grant Report. Final Report to the Virginia Coastal Zone Management Program, NOAA CZM Grant NA16NOS4190171, Task 49. VAQF Scientific Report 2018-01, Virginia Beach, Virginia, 52 pp.
- Teilmann, Jonas, et al. "Reactions of captive harbor porpoises (Phocoena phocoena) to pingerlike sounds." *Marine Mammal Science* 22.2 (2006): 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 p.
- USACE and Port of Virginia. (2018). Norfolk Harbor Navigation Improvements General Reevaluation Report and Environmental Assessment. U.S. Army Corps of Engineers.
- USACE and Port of Virginia. (2021). Norfolk Harbor Navigation Improvements General Reevaluation Report and Environmental Assessment. U.S. Army Corps of Engineers.
- Ward, W. D. (1997). Effects of high intensity sound. In M. J. Crocker (Ed.) Encyclopedia of acoustics, (Volume III, pp. 1497–1507). New York: John Wiley & Sons.
- Waring, G. T., Josephson, E., Maze-Foley, K., & Rosel, P.E. 2015. U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments -- 2014. NOAA Tech. Memo. NMFS-NE-231.
- Waring, G.T., E. Josephson, K. Maze-Foley, and P.E. Rosel. 2016. U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments - 2015. (NOAA Technical Memorandum NMFS-NE-238). Woods Hole, MA: U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Northeast Fisheries Science Center. p. 501.
- Wardle, C.S., T.J. Carter, G.G. Urquhart, A.D.F. Johnstone, A.M. Ziolkowski, G. Hampson, and D. Mackie. 2001. Effects of seismic air guns on marine fish. Continental Shelf Research 21:1005- 1027.
- Wartzok, D., and D.R. Ketten. 1999. Marine mammal sensory systems. pp 117-175 In J.E.
 Reynolds II & S.A. Rommel (Eds.), Biology of marine mammals. Washington, DC: Smithsonian Institution Press
- Watts, P., & Gaskin, D. (1985). Habitat index analysis of the harbor porpoise (Phocoena phocoena) in the southern coastal Bay of Fundy, Canada. Journal of Mammalogy, 733-744.
- 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.
- Wells, R.S., and M.D. Scott. 1999. Bottlenose dolphin Tursiops truncatus (Montagu, 1821). Pages 137- 182 in S.H. Ridgeway and R.H. Harrison (eds). Handbook of marine mammals – Volume 6. Academic Press, London, United Kingdom.
- W.F. Magann Corporation. 2023. Pier 3 Replacement Naval Station NorfolkMonitoring Reports for NOAA Fisheries Incidental Authorization (IHA). 1-88
- Yazvenko, S.B., T.L. McDonald, S.A. Blokhin, S.R. Johnson, H.R. Melton, M.W. Newcomer, et al. 2007. Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. Environmental Monitoring and Assessment 134(1-3):93-106.

Zelick, R., and D.A. Mann. 1999. Acoustic communication in fishes and frogs. In: Fay, R.R. and A.N. Popper, eds. Comparative hearing: Fishes and amphibians. Springer-Verlag, New York.