

Aarts, G., A.M. von Benda-Beckmann, K. Lucke, H.Ö Sertlek, R. Van Bemmelen, S.C. Geelhoed, S. Brasseur, M. Scheidat, F.P.A. Lam, H. Slabbekoorn, and R. Kirkwood. 2016. Harbour porpoise movement strategy affects cumulative number of animals acoustically exposed to underwater explosions. *Mar. Ecol. Prog. Ser.* 557:261–275.

Adams, J., J. Felis, J.W. Mason, and J.Y. Takekawa. 2014. Pacific Continental Shelf Environmental Assessment (PaCSEA): aerial seabird and marine mammal surveys off northern California, Oregon, and Washington,

Akamatsu, T., Y. Hatakeyama, and N. Takatsu. 1993. Effects of pulse sounds on escape behavior of false killer whales. *Bulletin - Japanese Society of Scientific Fisheries* 59:1297-1297.

Aguilar, A. 2009. Fin whale: *Balaenoptera physalus*. *Encyclopedia of Marine Mammals*. W. F. Perrin, B. Würsig and J. G. M. Thewissen. San Diego, Academic Press: 433-437.

Aguilar, A. 1986. A review of old Basque whaling and its effect on the right whales of the North Atlantic. *Rep. Int. Whal. Comm. Spec. Iss.* 10:191–199.

Aguilar-Soto, N., M. Johnson, P.T. Madsen, P.L. Tyack, A. Bocconcelli, and J.F. Borsani. 2006. Does intense ship noise disrupt foraging in deep-diving Cuvier's beaked whales (*Ziphius cavirostris*)? *Mar. Mamm. Sci.* 22(3):690–699.

Anderwald, P., A. Brandecker, M. Coleman, C. Collins, H. Denniston, M.D. Haberlin, M. O'Donovan, R. Pinfield, F. Visser, and L. Walshe. 2013. Displacement responses of a mysticete, an odontocete, and a phocid seal to construction-related vessel traffic. *Endang. Species Res.* 21(3):231–240.

Andrews, B.D., Chaytor, J.D., ten Brink, U.S., Brothers, D.S., Gardner, J.V., Lobecker, E.A., and Calder, B.R., 2016, Bathymetric terrain model of the Atlantic margin for marine geological investigations (ver. 2.0, May 2016): U.S. Geological Survey Open-File Report 2012–1266, 19 p., 1 pl., <http://dx.doi.org/10.3133/ofr20121266>.

ANSI (American National Standards Institute). 1986. *Methods of Measurement for Impulse Noise 3 (ANSI S12.7-1986)*. Acoustical Society of America, Woodbury, NY.

ANSI. 2005. *Measurement of Sound Pressure Levels in Air (ANSI S1.13-2005)*. Acoustical Society of America, Woodbury, NY.

Archer, F.I. 2009. Striped dolphin: *Stenella coeruleoalba*. p. 1127–1129 In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), *Encyclopedia of marine mammals*, 2nd edit. Academic Press, San Diego, CA. 1316 p.

Arnbom, T. and H. Whitehead. 1989. Observations on the composition and behaviour of groups of female sperm whale near the Galápagos Islands. *Can. J. Zool.* 67(1):1–7.

Au, W.W.L., and M.C. Hastings. 2008. *Principles of Marine Bioacoustics*. New York: Springer.

Azzara, A.J., W.M. von Zahren, and J.J. Newcomb. 2013. Mixed-methods analytic approach for determining potential impacts of vessel noise on sperm whale click behavior. *J. Acoust. Soc. Am.* 134(6):4566–4574.

Bain, D. E., and R. Williams. 2006. Long-range effects of airgun noise on marine mammals: responses as a function of received sound level and distance. *Int. Whal. Comm. Working Pap. SC/58E35*, Cambridge, UK.

Baird, R.W. 2009. Risso's dolphin. p. 975-976 In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), *Encyclopedia of marine mammals*, 2nd edit. Academic Press, San Diego, CA. 1316 p.

Baird, R.W., Webster, D.L., Aschettino, J.M., Schorr, G.S. and D.J. McSweeney. 2013. Odontocete cetaceans around the Main Hawaiian Islands: Habitat use and relative abundance from small-boat sighting surveys. *Aquatic Mammals* 39 (3), 253-269.

Baird, R. W. 2016. *The lives of Hawaii's dolphins and whales: Natural history and conservation*. Honolulu: University of Hawaii Press.

Baker, C.S. and L.M. Herman. 1989. Behavioral responses of summering humpback whales to vessel traffic: experimental and opportunistic observations. NPS-NR-TRS-89-01. Rep. from Kewalo Basin Mar. Mamm. Lab., Univ. Hawaii, Honolulu, HI, for U.S. Natl. Park Serv., Anchorage, AK. 50 p. NTIS PB90-198409.

Baker, C.S., L.M. Herman, B.G. Bays, and W.F. Stifel. 1982. The impact of vessel traffic on the behavior of humpback whales in southeast Alaska. Rep. from Kewalo Basin Mar. Mamm. Lab., Honolulu, HI, for U.S. Natl. Mar. Fish. Serv., Seattle, WA. 78 p.

Baker, C.S., L.M. Herman, B.G. Bays, and G.B. Bauer. 1983. The impact of vessel traffic on the behavior of humpback whales in southeast Alaska: 1982 season. Rep. from Kewalo Basin Mar. Mamm. Lab., Honolulu, HI, for U.S. Nat. Mar. Mamm. Lab., Seattle, WA. 30 p. + fig., tables.

Barlow, J. and R. Gisiner. 2006. Mitigating, monitoring and assessing the effects of anthropogenic sound on beaked whales. *J. Cetac. Res. Manage.* 7(3):239–249.

Barlow, J. 2016. Cetacean abundance in the California Current estimated from ship-based line-transect surveys in 1991-2014. NOAA Administrative Rep. LJ-16-01. 31 p. + appendix.

Barlow, J. 2010. Cetacean abundance in the California Current estimated from a 2008 ship-based line-transect survey. NOAA Tech. Memo. NMFS-SWFSC-456. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 24 p.

Barlow, J. 2006. Cetacean abundance in Hawaiian waters estimated from a summer/fall survey in 2002. *Mar. Mamm. Sci.* 22(2):446-464.

Barlow, J. 2003. Cetacean abundance in Hawaiian waters during summer/fall 2002. Admin. Rep. LJ-03-13, Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 31 p.

Barlow, J. 1995. Abundance of cetaceans in California waters. Part I: Ship surveys in summer and fall of 1991. Fishery Bulletin 93(1): 1-14.

Barlow, J., K.A. Forney, P.S. Hill, R.L. Brownell Jr., J.V. Carretta, D.P. DeMaster, F. Julian, M.S. Lowry, T. Ragen, and R.R. Reeves. 1997. U.S. Pacific marine mammal stock assessments: 1996. NOAA Tech. Memo. NMFS-SWFSC-248. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 223 p.

Barlow, J., J. Calambokidis, E.A. Falcone, C.S. Baker, A.M. Burdin, P.J. Clapham, J.K.B. Ford, C.M. Gabriele, R. LeDuc, D.K. Mattila, T.J. II Quinn, L. Rojas-Bracho, J.M. Straley, B.L. Taylor, J. Urbán R., P. Wade, D. Weller, B.H. Witteveen, and M. Yamaguchi. 2011. Humpback whale abundance in the North Pacific estimated by photographic capture-recapture with bias correction from simulation studies. Publications, Agencies and Staff of the U.S. Department of Commerce. Paper 239. 818 p.

Barkaszi MJ, Butler M, Compton R, Unietis A, Bennet B (2012) Seismic survey mitigation measures and marine mammal observer reports. OCS Study BOEM 2012-015. New Orleans, Louisiana.

Barros, N.B., D.A. Duffield, P.H. Ostrom, D.K. Odell and V.R. Cornish. 1998. Nearshore vs. offshore ecotype differentiation of *Kogia breviceps* and *K. simus* based on hemoglobin, morphometric and dietary analyses. Abstract. World Marine Mammal Science Conf., Monaco, 20-24 January.

Barry, S.B., A.C. Cucknell, and N. Clark. 2012. A direct comparison of bottlenose dolphin and common dolphin behaviour during seismic surveys when airguns are and are not being utilised. p. 273–276 In: A.N. Popper and A. Hawkins (eds.), *The effects of noise on aquatic life*. Springer, New York, NY. 695 p.

Bejder L, Samuels A, Whitehead H, Finn H, Allen S. (2009). Impact assessment research: use and misuse of habituation, sensitisation and tolerance in describing wildlife responses to anthropogenic stimuli. *Mar Ecol Prog Ser* 395:177-185. <https://doi.org/10.3354/meps07979>.

Best, P.B. 1979. Social organization in sperm whales, *Physeter macrocephalus*. p. 227–289 In: H.E. Winn and B.L. Olla (eds.), *Behavior of marine animals*, Vol. 3. Plenum, New York, NY.

Becker, E.A., K.A. Forney, M.C. Ferguson, J. Barlow, and J.V. Redfern. 2012. Predictive modeling of cetacean densities in the California Current ecosystem based on summer/fall ship surveys in 1991-2008. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-499. Nat. Mar. Fish. Service, Southwest Fish. Sci. Centre. 45 p.

Bittencourt, L., I.M.S. Lima, L.G. Andrade, R.R. Carvalho, T.L. Bisi, J. Lailson-Brito, Jr., and A.F. Azevedo. 2016. Underwater noise in an impacted environment can affect Guiana dolphin communication. *Mar. Poll. Bull.* <http://dx.doi.org/doi:10.1016/j.marpolbul.2016.10.037>.

Blackwell, S.B., C.S. Nations, T.L. McDonald, C.R. Greene, Jr., A.M. Thode, M. Guerra, and A.M. Macrander. 2013. Effects of airgun sounds on bowhead whale calling rates in the Alaskan Beaufort Sea. *Mar. Mamm. Sci.* <http://dx.doi.org/doi:10.1111/mms.12001>.

Blackwell, S.B., C.S. Nations, T.L. McDonald, A.M. Thode, D. Mathias, K.H. Kim, C.R. Greene, Jr., and A.M. Macrander. 2015. Effects of airgun sounds on bowhead whale calling rates: Evidence for two behavioral thresholds. *PLoS ONE* 10(6):e0125720. <http://dx.doi.org/doi:10.1371/journal.pone.0125720>.

Blair, H.B., N.D. Merchant, A.S. Friedlaender, D.N. Wiley, and S.E. Parks. 2016. Evidence for ship noise impacts on humpback whale foraging behaviour. *Biol. Lett.* 12:20160005. <http://dx.doi.org/doi:10.1098/rsbl.2016.0005>.

Bradford, A.L., K.A. Forney, E.M. Oleson, and J. Barlow. 2014. Accounting for subgroup structure in line-transect abundance estimates of false killer whales (*Pseudorca crassidens*) in Hawaiian waters. *PLoS ONE* 9(2):e90464. <http://dx.doi.org/10.1371/journal.pone.0090464>.

Bradford, A.L., K.A. Forney, E.M. Oleson, and J. Barlow. 2013. Line-transect abundance estimates of cetaceans in the Hawaii EEZ. PIFSC Working Pap. WP-13-004, 29 March 2013. *Nat. Mar. Fish. Serv., Pac. Isl. Fish. Sci. Center, Honolulu, HI.* 16 p.

Bradford, A.L., Forney, K.A., Oleson, E.M., and J. Barlow. 2017. Line-transect abundance estimates of cetaceans in the Hawaiian EEZ. *NMFS Fishery Bulletin* 115(2).

Bradford, A.L., E.M. Oleson, R.W. Baird, C.H. Boggs, K.A. Forney, and N.C. Young. 2015. Revised stock boundaries for false killer whales (*Pseudorca crassidens*) in Hawaiian waters. NOAA Tech Memo. NMFS-PIFSC-47. *Nat. Mar. Fish. Serv., Pac. Isl. Fish. Sci. Center, Honolulu, HI.* 29 p.

Brownell, R. L., P. J. Clapham, T. Miyashita, T. Kasuya. 2001. Conservation status of North Pacific right whales. *J. Cetacean Res. Manage. (Special Issue).* 2:269-86.

Brueggeman, J.J., G.A. Green, K.C. Balcomb, C.E. Bowlby, R.A. Grotfendt, K.T. Briggs, M.L. Bonnell, R.G. Ford, D.H. Varoujean, D. Heinemann, and D.G. Chapman. 1990. Oregon-Washington marine mammal and seabird survey: information synthesis and hypothesis formulation. OCS Study MMS 89-0030. Rep. from EnviroSphere Co., Bellevue, WA, and Ecological Consulting Inc., Portland, OR, for U.S. Minerals Manage. Serv., Pacific Region, Los Angeles, CA. 374 p.

Buckland, S.T., D.R. Anderson, K.P. Burnham, J.L. Laake, D.L. Borchers, and L. Thomas. 2001. Introduction to distance sampling: estimating abundance of biological populations. Oxford University Press, Inc., New York, NY. 432 p.

Calambokidis, J., Steiger, G. H., Curtice, C., Harrison, J., Ferguson, M. C., Becker, E. A., et al. 2015. Biologically important areas for selected cetaceans within U.S. waters-West Coast region. *Aquat. Mamm.* 41, 39–53. doi: 10.1578/AM.41.1.2015.39

Calambokidis, J. 2013. Updated abundance estimates of blue and humpback whales off the US west coast incorporating photo-identifications from 2010 to 2011. Document PSRG-2013-13 presented to the Pacific Scientific Review Group, April 2013. 7 p. Accessed in January 2016 at <http://www.cascadiaresearch.org/reports/Rep-Mn-Bm-2011-Rev.pdf>.

Calambokidis, J., G.H. Steiger, J.C. Cabbage, K.C. Balcomb, C. Ewald, S. Kruse, R. Wells, and R. Sears. 1990. Sightings and movements of blue whales off central California 1986–88 from photo-identification of individuals. *Rep. Int. Whal. Comm. Spec. Iss.* 12:343-348.

Calambokidis, J., G.H. Steiger, K. Rasmussen, J. Urbán R., K.C. Balcomb, P. Ladrón De Guevara, M. Salinas Z., J.K. Jacobsen, C.S. Baker, L.M. Herman, S. Cerchio, and J.D. Darling. 2000. Migratory destinations of humpback whales from the California, Oregon and Washington feeding ground. *Mar. Ecol. Prog. Ser.* 192:295-304.

Calambokidis, J., G.H. Steiger, J.M. Straley, L.M. Herman, S. Cerchio, D.R. Salden, J. Urbán R., J.K. Jacobsen, O. von Ziegesar, K.C. Balcomb, C.M. Gabrielle, M.E. Dahlheim, S. Uchida, G. Ellis, Y. Miyamura, P.L. de Guevara, M. Yamaguchi, F. Sato, S.A. Mizroch, L. Schlender, K. Rasmussen, J.

Barlow, and T.J. Quinn II. 2001. Movements and population structure of humpback whales in the North Pacific. *Mar. Mamm. Sci.* 17(4):769-794.

Calambokidis, J., E.A. Falcone, T.J. Quinn, A.M. Burdin, P.J. Clapham, J.K.B. Ford, C.M. Gabriele, R. LeDuc, D. Mattila, L. Rojas-Bracho, J.M. Straley, B.L. Taylor, J. Urban R., D. Weller, B.H. Witteveen, M. Yamaguchi, A. Bendlin, D. Camacho, K. Flynn, A. Havron, J. Huggins, and N. Maloney. 2008. SPLASH: structure of populations, levels of abundance and status of humpback whales in the North Pacific. Rep. AB133F-03-RP-0078 for U.S. Dept. of Comm., Seattle, WA. Accessed in January 2016 at <https://swfsc.noaa.gov/uploadedFiles/Divisions/>

Calambokidis, J., J.L. Laake, and A. Pérez. 2014. Updated analysis of abundance and population structure of seasonal gray whales in the Pacific Northwest, 1996-2012. Document submitted to the Range-Wide Workshop on Gray Whale Stock Structure, April 8-11, 2014 in La Jolla, CA. 75 p.

Caldwell, D. K. and M. C. Caldwell. 1989. Pygmy sperm whale *Kogia breviceps* (de Blainville 1838): dwarf sperm whale *Kogia simus* Owen, 1866. pp. 235-260 In: S. H. Ridgway and R. Harrison (eds.) *Handbook of marine mammals*, Vol. 4: River dolphins and the larger toothed whales. Academic Press, San Diego. 442 pp.

Carretta, J.V. and K.A. Forney. 1993. Report of the two aerial surveys for marine mammals in California coastal waters using a NOAA DeHavilland Twin Otter aircraft, 9 March–7 April

1991, 8 February–6 April 1992. NOAA Tech. Memo. NMFS-SWFSC-185. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 77 p.

Carretta, J.V., E.M. Oleson, J. Baker, D.W. Weller, A.R. Lang, K.A. Forney, M.M. Muto, B. Hanson, A.J. Orr, H. Huber, M.S. Lowry, J. Barlow, J.E. Moore, D. Lynch, L. Carswell, and R.L. Brownell Jr. 2016a. U.S. Pacific marine mammal stock assessments: 2015. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-561. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 419 p.

Carretta, J.V., M.M. Muto, S. Wilkin, J. Greenman, K. Wilkinson, M. DeAngelis, J. Viezbicke, and J. Jannot. 2016b. Sources of human-related injury and mortality for U.S. Pacific west coast marine mammal stock assessments, 2010-2014. NOAA-TM-NMFS-SWFSC-554. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 102 p.

Carretta, J.V., Karin A. Forney, Erin M. Oleson, David W. Weller, Aimee R. Lang, Jason Baker, Marcia M. Muto, Brad Hanson, Anthony J. Orr, Harriet Huber, Mark S. Lowry, Jay Barlow, Jeffrey E. Moore, Deanna Lynch, Lilian Carswell, and Robert L. Brownell Jr. 2017. U.S. Pacific Marine Mammal Stock Assessments: 2016. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-577.

Castellote, M. and C. Llorens. 2016. Review of the effects of offshore seismic surveys in cetaceans: Are mass strandings a possibility? p. 133-143 *In*: A.N. Popper and A. Hawkins (eds.), The effects of noise on aquatic Life II. Springer, New York, NY. 1292 p.

Castellote, M., C. W. Clark, and M. O. Lammers. 2012. Acoustic and behavioural changes by fin whales (*Balaenoptera physalus*) in response to shipping and airgun noise. *Biological Conservation* 147:115-122.

CETAP (Cetacean and Turtle Assessment Program). 1982. A characterization of marine mammals and turtles in the mid- and north-Atlantic areas of the U.S. Outer Continental Shelf. BLM/YL/TR-82/03, prepared by University of Rhode Island for Bureau of Land Management: 538.

Chivers, S.J., R.W. Baird, K.M. Martien, B.L. Taylor, E. Archer, A.M. Gorgone, B.L. Hancock, N.M. Hedrick, D. Matilla, D.J. McSweeney, E.M. Oleson, C.L. Palmer, V. Pease, K.M. Robertson, J. Robbins, J.C. Salinas, G.S. Schorr, M. Schultz, J.L. Thieleking, and D.L. Webster. 2010. Evidence of genetic differentiation for Hawai'i insular false killer whales (*Pseudorca crassidens*). NOAA Tech. Memo. NMFS-SWFSC-458. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 44 p.

Clark, C. W., and G. C. Gagnon. 2006. Considering the temporal and spatial scales of noise exposures from seismic surveys on baleen whales. IWC/SC/58 E 9.

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. *Mar. Ecol. Prog. Ser.* 395:201-222.

Committee on Taxonomy. 2014. List of marine mammal species and subspecies. Society for Marine Mammalogy, www.marinemammalscience.org, accessed on July 14, 2014

Cox, T.M., T.J. Ragen, A.J. Read, E. Vos, R.W. Baird, K. Balcomb, et al. 2006. Understanding the impacts of anthropogenic sound on beaked whales. *Journal of Cetacean Research and Management* 7 (3):177-187.

Croll, D. A., Clark, C. W., Calambokidis, J., Ellison, W. T., and Tershy, B. R. (2001). "Effect of anthropogenic low-frequency noise on the foraging ecology of Balaenoptera whales," *Anim. Conserv.* 4, 13–27.

Davis, R.W., G.S. Fargion, N. May, T.D. Leming, M. Baumgartner, W.E. Evans, L.J. Hansen and K. Mullin. 1998. Physical habitat of cetaceans along the continental slope in the north-central and western Gulf of Mexico. *Mar. Mamm. Sci.* 14(3):490-507.

DeRuiter, S. L., I. L. Boyd, D. E. Claridge, C. W. Clark, C. Gagnon, B. L. Southall, and P. L. Tyack. 2013. Delphinid whistle production and call matching during playback of simulated military sonar. *Marine Mammal Science* 29:E46-E59.

DeRuiter, S.L., I.L. Boyd, D.E. Claridge, C.W. Clark, C. Gagnon, B.L. Southall, and P.L. Tyack. 2013a. Delphinid whistle production and call matching during playback of simulated military sonar. *Mar. Mamm. Sci.* 29(2):E46-E59.

DeRuiter, S.L., B.L. Southall, J. Calambokidis, W.M.X. Zimmer, D. Sadykova, E.A. Falcone, A.S. Friedlaender, J.E. Joseph, D. Moretti, G.S. Schorr, L. Thomas, and P.L. Tyack. 2013b. First direct measurements of behavioural responses by Cuvier's beaked whales to mid-frequency active sonar. *Biol. Lett.* 9:20130223. <http://dx.doi.org/10.1098/rsbl.2013.0223>.

Diebold, J.B., M. Tolstoy, L. Doermann, S.L. Nooner, S.C. Webb, and T.J. Crone. 2010. R/V *Marcus G. Langseth* seismic source: modeling and
Di Iorio, L., and C. W. Clark. 2010. Exposure to seismic survey alters blue whale acoustic communication. *Biology Letters* 6:51-54.

Dolar, M.L.L. 2009. Fraser's dolphin: *Lagenodelphis hosei*. Pages 469-471 in W.F. Perrin, B. Wursig, and J.G.M. Thewissen, eds. *Encyclopedia of Marine Mammals*. Second edition. Academic Press, San Diego.

Doksæter L., Olsen E., Nøttestad L., Fernö A.. Distribution and feeding ecology of dolphins along the mid-Atlantic Ridge between Iceland and the Azores, *Deep Sea Research II* , 2008, vol. 55 (pg. 243-253)

DoN (U.S. Department of the Navy). 2005. Marine resources assessment for the Hawaiian Islands Operating Area. Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, HI. Contract No. N62470-02-D-9997, CTO 0026. Prepared by Geo-Marine, Inc., Plano, TX.

Duffield, D.A., S.H. Ridgway, and L.H. Cornell. 1983. Hematology distinguishes coastal and offshore forms of dolphins (*Tursiops*). *Can. J. Zool.* 61(4):930-933.

Dunn, R. A., and O. Hernandez. 2009. Tracking blue whales in the eastern tropical Pacific with an ocean-bottom seismometer and hydrophone array. *The Journal of the Acoustical Society of America* 126:1084-1094.

Edwards, E. F., et al. 2015. Global distribution of fin whales *Balaenoptera physalus* in the post-whaling era (1980-2012). *Mammal Review* 45(4): 197-214.

Ellison, W.T., B.L. Southall, C.W. Clark, and A.S. Frankel. 2012. A new context-based approach to assess marine mammal behavioral responses to anthropogenic sounds. *Conservation Biology* 26 (1):21-28.

Erbe, C. 2012. The effects of underwater noise on marine mammals. p. 17-22 *In*: A.N. Popper and A. Hawkins (eds.), *The effects of noise on aquatic life*. Springer, New York, NY. 695 p.

Erbe, C., C. Reichmuth, K. Cunningham, K. Lucke, and R. Dooling. 2016. Communication masking in marine mammals: a review and research strategy. *Mar. Poll. Bull.* 103:15-38. <https://doi.org/10.1016/j.marpolbul.2015.12.007>.

Evans, W.E. 1994. Common dolphin, white-bellied porpoise *Delphinus delphis* Linnaeus, 1758. p. 191-224 *In*: S.H. Ridgway and R. Harrison (eds.), *Handbook of marine mammals, Vol. 5: The first book of dolphins*. Academic Press, San Diego, CA. 416 p.

Fertl, D., T.A. Jefferson, I.B. Moreno, A.N. Zerbini, and K.D. Mullin. 2003. Distribution of the Clymene dolphin *Stenella clymene*. *Mammal Rev.* 33(3):253-271.

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. *J. Acoust. Soc. Am.* 138(3):1702-1726.

Finneran, J.J. and B.K. Branstetter. 2013. Effects of noise on sound perception in marine mammals. p. 273-308 *In*: H. Brumm (ed.), *Animal communication and noise*. Springer Berlin, Heidelberg, Germany. 453 p.

Finneran, J.J. and C.E. Schlundt. 2010. Frequency-dependent and longitudinal changes in noise-induced hearing loss in a bottlenose dolphin (*Tursiops truncatus*) (L). *J. Acoust. Soc. Am.* 128(2):567-570.

Finneran, J.J. and C.E. Schlundt. 2011. Noise-induced temporary threshold shift in marine mammals. *J. Acoust. Soc. Am.* 129(4):2432. [Supplemented by oral presentation at the ASA meeting, Seattle, WA, May 2011].

Finneran, J.J. and C.E. Schlundt. 2013. Effects of fatiguing tone frequency on temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*). *J. Acoust. Soc. Am.* 133(3):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 beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions. *J. Acoust. Soc. Am.* 108(1):417-431.

Finneran, J.J., C.E. Schlundt, R. Dear, D.A. Carder, and S.H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. *J. Acoust. Soc. Am.* 111(6):2929-2940.

Finneran, J.J., D.A. Carder, C.E. Schlundt, and S.H. Ridgway. 2005. Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones. *J. Acoust. Soc. Am.* 118(4):2696-2705.

Finneran, J.J., D.A. Carder, C.E. Schlundt, and R.L. Dear. 2010a. Growth and recovery of temporary threshold shift (TTS) at 3 kHz in bottlenose dolphins (*Tursiops truncatus*). *J. Acoust. Soc. Am.* 127(5):3256-3266.

Finneran, J.J., D.A. Carder, C.E. Schlundt, and R.L. Dear. 2010b. Temporary threshold shift in a bottlenose dolphin (*Tursiops truncatus*) exposed to intermittent tones. *J. Acoust. Soc. Am.* 127(5):3267-3272.

Finneran, J.J., C.E. Schlundt, B.K. Branstetter, J.S. Trickey, V. Bowman, and K. Jenkins. 2015. Effects of multiple impulses from a seismic air gun on bottlenose dolphin hearing and behavior. *J. Acoust. Soc. Am.* 137(4):1634-1646.

Finneran, J. J., D. A. Carder, C. E. Schlundt, and S. H. Ridgway. 2005. Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones. *The Journal of the Acoustical Society of America* 118:2696.

Finneran, J. J., and C. E. Schlundt. 2010. Frequency-dependent and longitudinal changes in noise-induced hearing loss in a bottlenose dolphin (*Tursiops truncatus*). *The Journal of the Acoustical Society of America* 128:567-570.

Finneran, J. J., C. E. Schlundt, D. A. Carder, and S. H. Ridgway. 2002. Auditory filter shapes for the bottlenose dolphin (*Tursiops truncatus*) and the white whale (*Delphinapterus leucas*) derived with notched noise. *The Journal of the Acoustical Society of America* 112:322-328.

Finneran, J. J., and Jenkins, A. K. (2012). "Criteria and thresholds for U.S. Navy acoustic and explosive effects analysis," SSC Pacific, San Diego, CA, p. 60.

Ford, J.K.B. 2009. Killer whale. p. 650-657 In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), *Encyclopedia of marine mammals*, 2nd edit. Academic Press, San Diego, CA. 1316 p.

Forney, K.A., J.V. Carretta, and S.R. Benson. 2014. Preliminary estimates of harbor porpoise abundance in Pacific coast waters of California, Oregon, and Washington, 2007-2012. NOAA Technical Memorandum NMFS NOAA-TM-NMFS-SWFSC-537. U.S. Department of Commerce, National Oceanic and Atmospheric Administration and National Marine Fisheries Service. 21 p.

Forney, K.A. 2007. Preliminary estimates of cetacean abundance along the U.S. west coast and within four National Marine Sanctuaries during 2005. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-406. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA.

Forney, K.A. and P.R. Wade. 2006. Worldwide distribution and abundance of killer whales. Pages 145-163 in J.A. Estes, D.P. DeMaster, D.F. Doak, T.M. Williams, and R.L. Brownell, eds. Whales, whaling, and ocean ecosystems. University of California Press, Berkeley, CA.

Francis, C. D. and Barber, J. R. (2013), A framework for understanding noise impacts on wildlife: an urgent conservation priority. *Frontiers in Ecology and the Environment*, 11: 305-313. doi:[10.1890/120183](https://doi.org/10.1890/120183)

Frankel A.S., C.W. Clark, L.M. Herman, and C.M. Gabriele. 1995. Spatial distribution, habitat utilization, and social interactions of humpback whales (*Megaptera novaeangliae*), off Hawai'i, determined using acoustic and visual techniques. *Can. J. Zool.* 73(6):1134-1146.

Frankel, A. S., and C. W. Clark. 2000. Behavioral responses of humpback whales (*Megaptera novaeangliae*) to full-scale ATOC signals. *Journal of the Acoustical Society of America* 108(4):1930-1937.

Fullard, J.H., Otero, L.D., Orellana, A. & Surlykke, A. (2000) Auditory sensitivity and diel flight activity in neotropical Lepidoptera. *Annals of the Entomological Society of America*, 93, 956–966.

Gailey G, Würsig B, McDonald T. 2007. Abundance, behavior, and movement patterns of western gray whales in relation to a 3-D seismic survey, northeast Sakhalin Island, Russia. *Environ Monit Assess* 134: 75–91.

Gailey, Glenn & Sychenko, O & McDonald, Trent & Racca, Roberto & Rutenko, Alexander & Broker, Koen. 2016. Behavioural responses of western gray whales to a 4-D seismic survey off northeastern Sakhalin Island, Russia. *Endangered Species Research*. 30. 53-71. 10.3354/esr00713.

Gambell, R. 1985. Fin whale *Balaenoptera physalus* (Linnaeus, 1758). *Handbook of Marine Mammals*. London, United Kingdom, Academic Press. 3: The Sirenians and Baleen Whales: 171-192.

Gedamke, J. 2011. Ocean basin scale loss of whale communication space: Potential impacts of a distant seismic survey. p. 105-106 *In*: Abstr. 19th Bienn. Conf. Biol. Mar. Mamm., 27 Nov.–2 Dec. 2011, Tampa, FL. 344 p.

Gedamke, J., N. Gales, and S. Frydman. 2011. Assessing risk of baleen whale hearing loss from seismic surveys: The effects of uncertainty and individual variation. *J. Acoust. Soc. Am.* 129(1):496-506.

Gerrodette, T. and J. Forcada. 2002. Estimates of abundance of western/southern spotted, whitebelly spinner, striped and common dolphins, and pilot, sperm and Bryde's whales in the eastern tropical Pacific Ocean. Admin. Rep. LJ-02-20. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 24 p.

Gerrodette, T., G. Watters, W. Perryman, and L. Balance. 2008. Estimates of 2006 dolphin abundance in the eastern tropical Pacific, with revised estimates from 1986–2003. NOAA

Goldbogen, J.A., B.L. Southall, S.L. DeRuiter, J. Calambokidis, A.S. Friedlaender, E.L. Hazen, E. Falcone, G. Schorr, A. Douglas, D.J. Moretti, C. Kyburg, M.F. McKenna, and P.L. Tyack. 2013. Blue whales respond to simulated mid-frequency military sonar. *Proc. R. Soc. B.* 280(1765):20130657. <http://dx.doi.org/10.1098/rspb.2013.0657>.

Goodall, R. N. P. 2009. Peale's dolphin: *Lagenorhynchus australis*. Pages 844-847 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, editors. *Encyclopedia of Marine Mammals*. Academic Press, San Diego.

Gordon, J., D. Gillespie, J. Potter, A. Frantzis, M.P. Simmonds, R. Swift, and D. Thompson. 2004. A review of the effects of seismic surveys on marine mammals. *Mar. Technol. Soc. J.* 37(4):16-34.

Götz, J., & Götz, N. N. 2009. Animal models for Alzheimer's disease and frontotemporal dementia: a perspective. *ASN NEURO*, 1(4), e00019. <http://doi.org/10.1042/AN20090042>.

Green, G.A., J.J. Brueggeman, R.A. Grotefendt, C.E. Bowlby, M.L. Bonnell, and K.C. Balcomb, III. 1992. Cetacean distribution and abundance off Oregon and Washington, 1989–1990. Chapter 1 *In*: J.J. Brueggeman (ed.), *Oregon and Washington marine mammal and seabird surveys*. Minerals Manage. Serv. Contract Rep. 14-12-0001-30426.

Green, G.A., R.A. Grotefendt, M.A. Smultea, C.E. Bowlby, and R.A. Rowlett. 1993. Delphinid aerial surveys in Oregon and Washington offshore waters. Rep. from Ebasco Environmental, Bellevue, WA, for Nat. Mar. Fish. Serv., Nat. Mar. Mamm. Lab., Seattle, WA. Contract #50ABNF200058. 35 p.

Greene Jr., C. R., N. S. Altman, and W. J. Richardson. 1999. The influence of seismic survey sounds on bowhead whale calling rates. *The Journal of the Acoustical Society of America* 106:2280-2280.

- Gregr, E. J. and A. W. Trites. 2001. Predictions of critical habitat for five whale species in the waters of coastal British Columbia. *Canadian Journal of Fisheries and Aquatic Sciences* 58(7): 1265-1285.
- Guan, S., J.F. Vignola, J.A. Judge, D. Turo, and T.J. Ryan. 2015. Inter-pulse noise field during an arctic shallow-water seismic survey. *J. Acoust. Soc. Am.* 137(4):2212.
- Hain, J. H. W., M. A. M. Hyman, R. D. Kenney, and H. E. Winn. 1985. The role of cetaceans in the shelf-edge region of the northeastern United States. *Mar. Fish. Rev.* 47(1): 13-17.
- Hamazaki, T. 2002. Spatiotemporal prediction models of cetacean habitats in the midwestern North Atlantic Ocean (from Cape Harteras, North Carolina, USA. to Nova Scotia, Canada). *Marine Mammal Science* 18:920-939.
- Hammond, P. S., G. Bearzi, A. Bjørge, K. A. Forney, L. Karkzmarski, T. Kasuya, W. F. Perrin, M. D. Scott, J. Y. Wang, R. S. Wells, and B. Wilson. 2012. *Phocoena spinipinnis*. . The IUCN Red List of Threatened Species.
- Hansen, L.J., K.D. Mullin, T.A. Jefferson and G.P. Scott. 1996. III. Visual surveys aboard ships and aircraft. p. 55-132 In: R.W. Davis and G.S. Fargion (eds.), *Distribution and abundance of cetaceans in the north-central and western Gulf of Mexico, final report. Volume II. Technical Report.* U.S. Department of the Interior, Minerals management Service, Gulf of Mexico OCS Region. OCS Study MMS 96-0027.
- Harris, C.M., ed. 1998. *Handbook of Acoustical Measurements and Noise Control.* Acoustical Society of America, Woodbury, NY.
- Harris, R. E., G. W. Miller, and W. J. Richardson. 2001. Seal responses to airgun sounds during summer seismic surveys in the Alaskan Beaufort Sea. *Marine Mammal Science* 17:795-812.
- Harwood, J. and B. Wilson. 2001. The implications of developments on the Atlantic Frontier for marine mammals. *Continental Shelf Research* 21(8-10): 1073-1093.
- Hastings, M.C. and A.N. Popper. 2005. *Effects of sound on fish.* Prepared by Jones & Stokes for the California Department of Transportation: 82.
- Hawkins, A.D., A.E. Pembroke, and A.N. Popper. 2015. Information gaps in understanding the effects of noise on fishes and invertebrates. *Rev. Fish Biol. Fisher.* 25(1):39-64.
<https://doi.org/10.1007/s11160-014-9369-3>.
- Hayes, S., Josephson, E., Maze-Foley, K., et al. 2017. *Draft US Atlantic and Gulf of Mexico Marine Mammal Stock Assessments – 2017.* NOAA Technical Memorandum NMFS-NE-241.
- Hazen, E.L., D.M. Palacios, K.A. Forney, E.A. Howell, E. Becker, A.L. Hoover, L. Irvine, M. DeAngelis, S.J. Bograd, B.R. Mate, and H. Bailey. 2016. *WhaleWatch: A dynamic management*

tool for predicting blue whale density in the California Current. *J. Appl. Ecol.* 14 p.
<http://dx.doi.org/doi:10.1111/1365-2664.12820>.

Hemilä, H. 2006. Do vitamins C and E affect respiratory infections?, pp 56-57, 62-63, 66-67. Helsinki, Finland: University of Helsinki. Available at:
<http://ethesis.helsinki.fi/julkaisut/laa/kansa/vk/hemila/>

Heyning, J.E. and M.E. Dahlheim. 1988. *Orcinus orca*. *Mammal. Spec.* 304:1-9.

Heyning, J.E. 1989. Cuvier's beaked whale - *Ziphius cavirostris* (G. Cuvier, 1823). Pages 289-308 in Ridgway, S.H. and R. Harrison, eds. *Handbook of marine mammals. Volume 4: River dolphins and the larger toothed whales.* San Diego, California: Academic Press.

Hoelzel, A.R., C.W. Potter, and P.B. Best. 1998. Genetic differentiation between parapatric 'nearshore' and 'offshore' populations of the bottlenose dolphin. *Proc. R. Soc Lond. B* 265:1177-1183.

Holst, M., and J. Beland. 2010. Marine mammal and sea turtle monitoring during Lamont-Doherty Earth Observatory's Shatsky Rise marine seismic program in the Northwest Pacific Ocean, July–September 2010. LGL Rep. TA4873-3. Rep. from LGL Ltd., King City, Ontario for Lamont-Doherty Earth Observatory of Columbia Univ., Palisades, NY.

Holst, M., and M. A. Smultea. 2008. Marine mammal and sea turtle monitoring during Lamont-Doherty Earth Observatory's marine seismic program off Central America, February–April 2008. Lamont-Doherty Earth Observatory of Columbia University, Palisades, New York.

Holst, M., M. A. Smultea, W. R. Koski, and B. Haley. 2005. Marine mammal and sea turtle monitoring during Lamont-Doherty Earth Observatory's marine seismic program in the Eastern Tropical Pacific Ocean off Central America, November–December 2004. Report from LGL Ltd., King City, Ontario, for Lamont-Doherty Earth Observatory of Columbia Univ., Palisades, NY, and National Marine Fisheries Service, Silver Spring, MD. Report TA2822-30. 125 p.

Hopkins, J.L., M.A. Smultea, T.A. Jefferson, and A.M. Zoidis. 2009. Rare sightings of a Bryde's whale (*Balaenoptera brydei/edeni*) and subadult sei whales (*B. borealis*) (Cetacea: Balaenopteridae) northeast of Oahu in November 2007. p. 115 *In: Abstr. 18th Bienn. Conf. Biol. Mar. Mamm., Québec, Canada, October 2009.* 306 p.

Horwood, J. 2009. Sei whale *Balaenoptera borealis*. p. 1001-1003 *In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), Encyclopedia of marine mammals, 2nd ed.* Academic Press, San Diego, CA. 1316 p.

Houghton, J., M.M. Holt, D.A. Giles, M.B. Hanson, C.K. Emmons, J.T. Hogan, T.A. Branch, and G.R. VanBlaricom. 2015. The relationship between vessel traffic and noise levels received by killer whales (*Orcinus orca*). *PLoS ONE* 10(12): e0140119.
doi:10.1371/journal.pone.0140119

Huggins, J.L., R.W. Baird, D.L. Webster, D.J. McSweeney, G.S. Schorr, and A.D. Ligon. 2005. Inter-island movements and re-sightings of melon-headed whales within the Hawaiian archipelago. p. 133-134 *In*: Abstr. 16th Bienn. Conf. Biol. Mar. Mamm., San Diego, CA. 12–16 Dec. 2005.

IPCC. 2007. IPCC, 2007: Climate change 2007: The physical science basis. Contribution of Working Group I to the fourth assessment report of the Intergovernmental Panel on Climate Change. Editors: Solomon, S., Qin, D., Manning, M., Chen, Z.,

ISO (International Organization for Standardization). 2003. Acoustics – Description, Measurement and Assessment of Environmental Noise – Part 1: Basic Quantities and Assessment Procedures (ISO 1996-1:2003(E)). International Organization for Standardization, Geneva.

IUCN (The World Conservation Union). 2015. The IUCN Red List of Threatened Species. Version 2015-4. Accessed in January 2016 at <http://www.iucnredlist.org>.

IWC (International Whaling Commission). 2007. Report of the standing working group on environmental concerns. Annex K to Report of the Scientific Committee. *J. Cetac. Res. Manage.* 9(Suppl.):227-260.

IWC. 2016. Whale Population Estimates. The International Whaling Commission's most recent information on estimated abundance.

Jackson, A., T. Gerrodette, S. Chivers, M. Lynn, S. Rankin, and S. Mesnick. 2008. Marine mammal data collected during a survey in the eastern tropical Pacific Ocean aboard NOAA ships David Starr Jordan and McArthur II, July 28–December 7, 2006. NOAA Tech. Memo. NMFS-SWFSC-421. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 45 p.

Jaquet, N. and H. Whitehead. 1996. Scale-dependent correlation of sperm whale distribution with environmental features and productivity in the South Pacific. *Mar. Ecol. Prog. Ser.* 135(1-3):1-9.

Jefferson, T.A., S. Leatherwood, and M.A. Weber. 1994. *Marine Mammals of the World*. FAO, Rome.

Jefferson, T. A., et al. 2008. *Marine Mammals of the World: A Comprehensive Guide to their Identification*. London, UK, Elsevier.

Jefferson, T.A., M.A. Webber, and R.L. Pitman. 2015. *Marine mammals of the world: a comprehensive guide to their identification*, 2nd edit. Academic Press, London, U.K.. 608 p.

Karl, T., J. Melillo, and T. Peterson. 2009. *Global climate change impacts in the United States*. Global climate change impacts in the United States.

Kastak, D., and R. J. Schusterman. 1998. Low-frequency amphibious hearing in pinnipeds: Methods, measurements, noise, and ecology. *The Journal of the Acoustical Society of America* 103:13.

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. *The Journal of the Acoustical Society of America* 106:1142-1148.

Kastelein, R. A., et al. 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., and N. Jennings. 2012. Impacts of anthropogenic sounds on *Phocoena phocoena* (harbor porpoise) in. Pages 311-315 *The Effects of Noise on Aquatic Life*. Springer.

Kastelein, R., R. Gransier, L. Hoek, and J. Olthuis. 2012a. Temporary threshold shifts and recovery in a harbor porpoise (*Phocoena phocoena*) after octave-band noise at 4 kHz. *J. Acoust. Soc. Am.* 132(5):3525-3537.

Kastelein, R.A., R. Gransier, L. Hoek, A. Macleod, and J.M. Terhune. 2012b. Hearing threshold shifts and recovery in harbor seals (*Phoca vitulina*) after octave-band noise exposure at 4 kHz. *J. Acoust. Soc. Am.* 132(4):2745-2761.

Kastelein, R.A., R. Gransier, L. Hoek, and C.A.F. de Jong. 2012c. The hearing threshold of a harbor porpoise (*Phocoena phocoena*) for impulsive sounds (L). *J. Acoust. Soc. Am.* 132(2):607-610.

Kastelein, R.A., N. Steen, R. Gransier, and C.A.F. de Jong. 2013a. Brief behavioral response threshold level of a harbor porpoise (*Phocoena phocoena*) to an impulsive sound. *Aquat. Mamm.* 39(4):315-323.

Kastelein, R.A., R. Gransier, and L. Hoek, and M. Rambags. 2013b. Hearing frequency thresholds of a harbour porpoise (*Phocoena phocoena*) temporarily affected by a continuous 1.5-kHz tone. *J. Acoust. Soc. Am.* 134(3):2286-2292.

Kastelein, R., R. Gransier, and L. Hoek. 2013c. Comparative temporary threshold shifts in a harbour porpoise and harbour seal, and severe shift in a seal. *J. Acoust. Soc. Am.* 134(1):13-16.

Kastelein, R.A., L. Hoek, R. Gransier, M. Rambags, and N. Clayes. 2014. Effect of level, duration, and inter-pulse interval of 1–2 kHz sonar signal exposures on harbor porpoise hearing. *J. Acoust. Soc. Am.* 136:412-422.

Kastelein, R.A., R. Gransier, J. Schop, and L. Hoek. 2015a. Effects of exposure to intermittent and continuous 6-7 kHz sonar sweeps on harbor porpoise (*Phocoena phocoena*) hearing. *J. Acoust. Soc. Am.* 137(4):1623-1633.

Kastelein, R.A., R. Gransier, M.A.T. Marijt, and L Hoek. 2015b. Hearing frequency thresholds of harbor porpoises (*Phocoena phocoena*) temporarily affected by played back offshore pile driving sounds. *J. Acoust. Soc. Am.* 137(2):556-564.

Kastelein, R.A., I. van den Belt, R. Gransier, and T. Johansson. 2015c. Behavioral responses of a harbor porpoise (*Phocoena phocoena*) to 25.5-

Kastelein, R.A., R. Gransier, and L. Hoek. 2016. Cumulative effects of exposure to continuous and intermittent sounds on temporary hearing threshold shifts induced in a harbor porpoise (*Phocoena phocoena*). p. 523-528 *In: A.N. Popper*

Katona, S.K., J.A. Beard, P.E. Girton, and F. Wenzel. 1988. Killer whales (*Orcinus orca*) from the Bay of Fundy to the Equator, including the Gulf of Mexico. *Rit Fiskideildar* 11:205-224.

Kenney, R. D. and H. E. Winn .1987. Cetacean biomass densities near submarine canyons compared to adjacent shelf/slope areas. *Continental Shelf Research* 7(2): 107-114.

Ketten, D.R. 2012. Marine mammal auditory system noise impacts: evidence and incidence. p. 207-212 *In: A.N. Popper and A. Hawkins (eds.)*, *The effects of noise on aquatic life*. Springer, New York, NY. 695 p.

Klatsky, L.J. 2004. Movement and dive behavior of bottlenose dolphins (*Tursiops truncatus*) near the Bermuda Pedestal. M.Sc. Thesis. San Diego State University, CA. 31 p.

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.

Kryter, Karl D. (1985). *The Effects of Noise on Man*. Maryland Heights, MO: Academic Press.

Kujawa, S. G., and M. C. Liberman. 2009. Adding insult to injury: cochlear nerve degeneration after “temporary” noise-induced hearing loss. *The Journal of Neuroscience* 29:14077-14085.

Laws, R. 2012. Cetacean hearing-damage zones around a seismic source. p. 473-476 *In: A.N. Popper and A. Hawkins (eds.)*, *The effects of noise on aquatic life*. Springer, New York, NY. 695 p.

Lawson, J.W. and T.S. Stevens. 2014. Historic and current distribution patterns, and minimum abundance of killer whales (*Orcinus orca*) in the north-west Atlantic. *Journal of the Marine Biological Association of the United Kingdom* 94 (6):1253-1265.

LGL. 2017. Request by Scripps Institution of Oceanography for an Incidental Harassment Authorization to Allow the Incidental Take of Marine Mammals during a Low-Energy Marine Geophysical Survey by the R/V Roger Revelle in the Northeastern Pacific Ocean, September 2017.

Leatherwood, J. S., and M. E. Dahlheim. 1978. Worldwide distribution of pilot whales and killer whales. Naval Ocean Systems Center, Tech. Rep. 443:1-39.

Lin, H. W., A. C. Furman, S. G. Kujawa, and M. C. Liberman. 2011. Primary neural degeneration in the Guinea pig cochlea after reversible noise-induced threshold shift. *Journal of the Association for Research in Otolaryngology* 12:605-616.

Leatherwood, J. S. and M. E. Dahlheim 1978. Worldwide distribution of pilot whales and killer whales, Naval Undersea Center: 39.

Lucke, K., U. Siebert, P. A. Lepper, and M.-A. Blanchet. 2009. Temporary shift in masked hearing thresholds in a harbor porpoise (*Phocoena phocoena*) after exposure to seismic airgun stimuli. *The Journal of the Acoustical Society of America* 125:4060-4070.

Lusseau, D., L. Bejder. The long-term consequences of short-term responses to disturbance experiences from whalewatching impact assessment *Int. J. Comp. Psychol.*, 20 (2007), pp. 228-236

MacLeod, C.D., N. Hauser, and H. Peckham. 2004. Diversity, relative density and structure of the cetacean community in summer months east of Great Abaco, Bahamas. *Journal of the Marine Biological Association of the United Kingdom* 84:469-474.

Macleod, K., M. P. Simmonds, and E. Murray. 2006. Abundance of fin (*Balaenoptera physalus*) and sei whales (*B. borealis*) amid oil exploration and development off northwest Scotland. *Journal of Cetacean Research and Management* 8:247.

Madsen, P. T., and B. Møhl. 2000. Sperm whales (*Physeter catodon* L. 1758) do not react to sounds from detonators. *The Journal of the Acoustical Society of America* 107:668-671.

Madsen, P.T., Wahlberg, M., Tougaard, J., Lucke, K. and Tyack, P. 2006. Wind turbine underwater noise and marine mammals: implications of current knowledge and data needs. *Mar. Ecol. Progr. Ser.* 309, 279-295.

Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack, and J. E. Bird. 1983. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior. Final report for the period of 7 June 1982 - 31 July 1983 Page 64 in M. M. S. U.S. Department of the Interior, Alaska OCS Office, editor., Anchorage, AK. Report No. 5366. 64 pp.

Malme, C. I., P. R. Miles, C. W. Clark, P. Tyack, and J. E. Bird. 1984. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior: phase II: January 1984 migration. Page 357 in M. M. S. U.S. Department of Interior, Alaska OCS Office, editor., Anchorage, AK. 357 pp.

Malme, C.I. and P.R. Miles. 1985. Behavioral responses of marine mammals (gray whales) to seismic discharges. p. 253-280 *In*: G.D. Greene, F.R. Engelhard, and R.J. Paterson (eds.), *Proc. Workshop on Effects of Explosives Use in the Marine Environment*, Jan. 1985, Halifax, NS. Tech. Rep. 5. Can. Oil & Gas Lands Admin., Environ. Prot. Br., Ottawa, Canada. 398 p.

Malme, C.I., P.R. Miles, C.W. Clark, P. Tyack, and J.E. Bird. 1984. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior/Phase II: January 1984 migration. BBN Rep. 5586. Rep. from Bolt Beranek & Newman Inc., Cambridge, MA, for MMS, Alaska OCS Region, Anchorage, AK. NTIS PB86-218377.

Malme, C.I., P.R. Miles, P. Tyack, C.W. Clark, and J.E. Bird. 1985. Investigation of the potential effects of underwater noise from petroleum industry activities on feeding humpback whale behavior. BBN Rep. 5851. OCS Study MMS 85-0019. Rep. from BBN Labs Inc., Cambridge, MA, for MMS, Anchorage, AK. NTIS PB86-218385.

Malme, C.I., B. Würsig, J.E. Bird, and P. Tyack. 1986. Behavioral responses of gray whales to industrial noise: Feeding observations and predictive modeling. BBN Rep. 6265. OCS Study MMS 88-0048. Outer Contin. Shelf Environ. Assess. Progr., Final Rep. Princ. Invest., NOAA, Anchorage, AK. 56(1988):393-600. NTIS PB88-249008.

Malme, C.I., B. Würsig, B., J.E. Bird, and P. Tyack. 1988. Observations of feeding gray whale responses to controlled industrial noise exposure. p. 55-73 *In*: W.M. Sackinger, M.O. Jeffries, J.L. Imm, and S.D. Treacy (eds.), *Port and Ocean Engineering Under Arctic Conditions, Vol. II: Symposium on noise and marine mammals*. Univ. Alaska Fairbanks, Fairbanks, AK. 111 p.

Mangels, K.F. and T. Gerrodette. 1994. Report of cetacean sightings during a marine mammal survey in the eastern Pacific Ocean and the Gulf of California aboard the NOAA ships McArthur and David Starr Jordan, July 28–November 6, 1993. NOAA Tech. Memo. NOAA-TM-NMFS-SWFSC-211. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA.

Mannocci, L., J.J. Roberts, D.L. Miller, and P.N. Halpin. 2017. Extrapolating cetacean densities to quantitatively assess human impacts on populations in the high seas. **Conserv. Biol.** 31(3):601–614. Models for all species available at: <http://seamap.env.duke.edu/models/AFTT-2015/>.

May-Collado, L., T. Gerrodette, J. Calambokidis, K. Rasmussen, and I. Sereg. 2005. Patterns of cetacean sighting distribution in the Pacific Exclusive Economic Zone of Costa Rica based on data collected from 1979-2001. *Revista de Biología Tropical* 53 (1-2):249-263.

McAlpine, D.F. 2002. Pygmy and Dwarf Sperm whales. pp. 1007-1009. *In*: W. F. Perrin, B. Würsig, and J.G.M. Theewissen (eds.) *Encyclopedia of Marine Mammals*. Academic Press, San Diego, CA.

McCauley, R. D. *et al.* Widely used marine seismic survey air gun operations negatively impact zooplankton. *Nat. Ecol. Evol.* 1, 0195 (2017).

McCauley, R. D., J. Fewtrell, A. J. Duncan, C. Jenner, M.-N. Jenner, J. D. Penrose, R. I. T. Prince, A. Adhitya, J. Murdoch, and K. McCabe. 2000. *Marine Seismic Surveys: Analysis And Propagation of Air-Gun Signals; And Effects of Air-Gun Exposure On Humpback Whales, Sea Turtles, Fishes and Squid*. Rep. from Centre for Marine Science and Technology, Curtin Univ., Perth, Western Australia, for Australian Petrol. Produc. & Explor. Association:203 pages.

McCauley, R. D., M. N. Jenner, C. Jenner, K. A. McCabe, and J. Murdoch. 1998. The response of humpback whales (*Megaptera novaeangliae*) to offshore seismic survey noise: preliminary results of observations about a working seismic vessel and experimental exposures. *Appea Journal* 38:692-707.

McDonald, M. A., J. A. Hildebrand, and S. C. Webb. 1995. Blue and fin whales observed on a seafloor array in the northeast Pacific. *Journal of the Acoustical Society of America* 98:712-721.

McDonald, T.L., W.J. Richardson, K.H. Kim, and S.B. Blackwell. 2010. Distribution of calling bowhead whales exposed to underwater sounds from Northstar and distant seismic surveys, 2009. p. 6-1 to 6-38 *In*: W.J. Richardson (ed.), *Monitoring of industrial sounds, seals, and bowhead whales near BP's Northstar oil development, Alaskan Beaufort Sea: Comprehensive report for 2005–2009*. LGL Rep. P1133-6. Rep. by LGL Alaska Res. Assoc. Inc., Anchorage, AK, Greeneridge Sciences Inc., Santa Barbara, CA, WEST Inc., Cheyenne, WY, and Applied Sociocult. Res., Anchorage, AK, for BP Explor. (Alaska) Inc., Anchorage, AK. 265 p.

McDonald, T.L., W.J. Richardson, K.H. Kim, S.B. Blackwell, and B. Streever. 2011. Distribution of calling bowhead whales exposed to multiple anthropogenic sound sources and comments on analytical methods. p. 199 *In*: *Abstr. 19th Bienn. Conf. Biol. Mar. Mamm.*, 27 Nov.–2 Dec. 2011, Tampa, FL. 344 p.

Mead, J.G. 1989a. Shepherd's beaked whale *Tasmacetus shepherdi* Oliver, 1937. p. 309-320 *In*: S.H. Ridgway and R.J. Harrison (eds.), *Handbook of marine mammals, Vol. 4: River dolphins and the larger toothed whales*. Academic Press, San Diego, CA. 444 p.

Mead, J.G. 1989b. Beaked whales of the genus *Mesoplodon*. p. 349-430 *In*: S.H. Ridgway and R.J. Harrison (eds.), *Handbook of marine mammals, Vol. 4: River dolphins and the larger toothed whales*. Academic Press, San Diego, CA. 444 p.

Mead, J.G. and C.W. Potter. 1995. Recognizing two populations of the bottlenose dolphins (*Tursiops truncatus*) off the Atlantic coast of North America: morphological and ecological considerations. *IBI Reports* 5:31-44.

Menza, C., J. Leirness, T. White, A. Winship, B. Kinlan, L. Kracker, J.E. Zamon, L. Balance, E. Becker, K.A. Forney, J. Barlow, J. Adams, D. Pereksta, S. Pearson, J. Pierce, S. Jeffries, J. Calambokidis, A. Douglas, B. Hanson, S.R. Benson, and L. Antrim. 2016. Predictive mapping of seabirds, pinnipeds and cetaceans off the Pacific coast of Washington. NOAA Technical Memorandum NOS NCCOS 210. Silver Spring, MD. 96 p.
<http://dx.doi.org/doi:10.7289/V5NV9G7Z>.

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

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

Miller, G.W., R.E. Elliott, W.R. Koski, V.D. Moulton, and W.J. Richardson. 1999. Whales. p. 5-1 to 5-109 *In*: W.J. Richardson (ed.), Marine mammal and acoustical monitoring of Western Geophysical's open-water seismic program in the Alaskan Beaufort Sea, 1998. LGL Rep. TA2230-3. Rep. by LGL Ltd., King City, ON, and Greeneridge Sciences Inc., Santa Barbara, CA, for Western Geophysical, Houston, TX, and Nat. Mar. Fish. Serv., Anchorage, AK, and Silver Spring, MD. 390 p.

Miller, G.W., V.D. Moulton, R.A. Davis, M. Holst, P. Millman, A. MacGillivray, and D. Hannay. 2005. Monitoring seismic effects on marine mammals—southeastern Beaufort Sea, 2001–2002. p. 511-542 *In*: S.L. Armsworthy, P.J. Cranford, and K. Lee (eds.), Offshore oil and gas environmental effects monitoring/approaches and technologies. Battelle Press, Columbus, OH. 631 p.

Miller, P.J.O., M.P. Johnson, P.T. Madsen, N. Biassoni, M. Quero, and P.L. Tyack. 2009. Using at-sea experiments to study the effects of airguns on the foraging behavior of sperm whales in the Gulf of Mexico. *Deep-Sea Res. I* 56(7):1168-1181.

Miller, P.J.O., P.H. Kvasdheim, F.P.A. Lam, P.J. Wensveen, R. Antunes, A.C. Alves, F. Visser, L. Kleivane, P.L. Tyack, and L.D. Sivle. 2012. The severity of behavioral changes observed during experimental exposures of killer (*Orcinus orca*), long-finned pilot (*Globicephala melas*), and sperm whales (*Physeter macrocephalus*) to naval sonar. *Aquat. Mamm.* 38(4):362-401.

Miller, P.J.O., R.N. Antunes, P.J. Wensveen, F.I.P. Samarra, A.C. Alves, P.L. Tyack, P.H. Kvasdheim, L. Kleivane, F.-P.A. Lam, M.A. Ainslie, and L. Thomas. 2014. Dose-response relationships for the onset of avoidance of sonar by free-ranging killer whales. *J. Acoust. Soc. Am.* 135(2):975-993.

Mitchell, E. D. 1975. Report of the meeting on smaller cetaceans, Montreal, April 1-11, 1974. *Journal of the Fisheries Research Board of Canada* 32(7): 889-983.

Mitchell, E.D. and V.M. Kozicki. 1975. Autumn stranding of a northern bottlenose whale (*Hyperoodon ampullatus*) in the Bay of Fundy, Nova Scotia. *Journal of the Fisheries Research Board of Canada* 32 (7):1019-1040.

Mitson, R. B. (Ed). 1995. Underwater noise of research vessels: review and recommendations. ICES Cooperative Research Report 209. 61 pp.

Mobley, J., Jr., S. Spitz, and R. Grotfendt. 2001. Abundance of humpback whales in Hawaiian waters: results of 1993–2000 aerial surveys. Prepared for the Hawaiian Islands Humpback Whale National Marine Sanctuary, NOAA, U.S. Department of Commerce, and the Hawaii Department of Land and Natural Resources. 16 p.

Monnahan, C. C., et al. 2014. Estimating historical eastern North Pacific blue whale catches using spatial calling patterns. *PLoS ONE* 9(6): e98974.

- Moore, S.E., K.M. Stafford, M.E. Dahlheim, C.G. Fox, H.W. Braham, J.J. Polovina, and D.E. Bain. 1998. Seasonal variation in reception of fin whale calls at five geographic areas in the North Pacific. *Mar. Mamm. Sci.* 14(3):617-627.
- Moore, S.E., K.M. Stafford, D.K. Mellinger, and C.G. Hildebrand. 2006. Listening for large whales in the offshore waters of Alaska. *BioScience* 56(1):49-55.
- Moore, J. E. and J. P. Barlow 2014. Improved abundance and trend estimates for sperm whales in the eastern North Pacific from Bayesian hierarchical modeling. *Endangered Species Research* 25(2): 141-150.
- Morton, A. B., and Symonds, H. K. 2002. Displacement of *Orcinus orca* (L.) by high amplitude sound in British Columbia, Canada. *ICES Journal of Marine Science: Journal du Conseil*, 59: 71–80.
- Mullin, K. D. and G. L. Fulling. 2003. Abundance and distribution of cetaceans in the southern U.S. North Atlantic Ocean during summer 1998. *Fish. Bull.*, U.S. 101:603-613.
- Mullin, K.D. and G.L. Fulling. 2004. Abundance of cetaceans in the oceanic northern Gulf of Mexico, 1996-2001. *Marine Mammal Science* **20** (4):787-807.
- Mullin, K.D., W. Hoggard, and L.J. Hansen. 2004. Abundance and seasonal occurrence of cetaceans in outer continental shelf and slope waters of the north-central and northwestern Gulf of Mexico. *Gulf of Mexico Science* **22** (1):62-73.
- Muñoz-Hincapié, M. F., F. M. Mora-Pinto, D. M. Palacois, E. R. Sechi, and A. A. Mignucci-Giannoni. 1998a. First osteological record of the dwarf sperm whale in Colombia, with notes on the zoogeography of *Kogia* in South America. *Rev. de la Acad. Colombiana de Ciencias* 22: 433–444.
- Nachtigall, P.E. and A.Y. Supin. 2013. A false killer whale reduces its hearing sensitivity when a loud sound is preceded by a warning. *J. Exp. Biol.* 216(16):3062-3070.
- Nachtigall, P.E. and A.Y. Supin. 2014. Conditioned hearing sensitivity reduction in the bottlenose dolphin (*Tursiops truncatus*). *J. Exp. Biol.* 217(15):2806-2813.
- Nachtigall, P.E. and A.Y. Supin. 2015. Conditioned frequency-dependent hearing sensitivity reduction in the bottlenose dolphin (*Tursiops truncatus*). *J. Exp. Biol.* 218(7):999-1005.
- Nachtigall, P.E. and A.Y. Supin. 2016. Hearing sensation changes when a warning predict a loud sound in the false killer whale (*Pseuorca crassidens*). p. 743-746 *In: A.N. Popper and A. Hawkins (eds.), The Effects of Noise on Aquatic Life II.* Springer, New York, NY. 1292 p.
- Ng SL, Leung S. 2003. Behavioral response of Indo-Pacific humpback dolphin (*Sousa chinensis*) to vessel traffic. *Mar Environ Res* 56:555-567.

Nieukirk, S. L., K. M. Stafford, D. K. Mellinger, R. P. Dziak, and C. G. Fox. 2004. Low-frequency whale and seismic airgun sounds recorded in the mid-Atlantic Ocean. *The Journal of the Acoustical Society of America* 115:1832-1843.

NIOSH (National Institute for Occupational Safety and Health). 1998. *Criteria for a Recommended Standard: Occupational Noise Exposure*. United States Department of Health and Human Services, Cincinnati, OH.

NMFS. 2013. *Environmental Assessment for the Issuance of an Incidental Harassment Authorization to Lamont-Doherty Earth Observatory to Take Marine Mammals by Harassment Incidental to a Marine Geophysical Survey in the Atlantic Ocean, April - June, 2013*. Page 36, Silver Spring, MD.

NMFS. 2013. *Environmental Assessment: Issuance of an Incidental Harassment Authorization to Lamont-Doherty Earth Observatory to Take Marine Mammals by Harassment Incidental to a Marine Geophysical Survey in the Northeast Atlantic Ocean, June to July 2013*. Page 39, Silver Spring, MD.

NMFS. 2014. *Annual report of a comprehensive assessment of marine mammal, marine turtle, and seabird abundance and spatial distribution in US waters of the western North Atlantic Ocean*. National Marine Fisheries Service: 197.

NMFS. 2015. *Proposed Issuance of an Incidental Harassment Authorization to Lamont-Doherty Earth Observatory to Take Marine Mammals by Harassment Incidental to a Marine Geophysical Survey in the Eastern Mediterranean Sea, Mid-November – December 2015*. Page 54 in N. M. F. Service, editor., Silver Spring, MD.

NMFS. 2015. *Proposed Issuance of an Incidental Harassment Authorization to Lamont-Doherty Earth Observatory to Take Marine Mammals by Harassment Incidental to a Marine Geophysical Survey in the Northwest Atlantic Ocean, June – August, 2015*. Page 54, Silver Spring, MD.

NMFS. 2016. *Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing: Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts*. U.S. Dept. of Commer., NOAA. NOAA Technical Memorandum NMFS-OPR-55, 178 p

NMFS. 2017. *Proposed Issuance of an Incidental Harassment Authorization to Spectrum Geo Inc., TGS-NOPEC Geophysical Company, ION GeoVentures, WesternGeco, LLC, and CCG to Take Marine Mammals by Harassment Geophysical Surveys in the Atlantic Ocean*. Silver Spring, MD.

Norman, S.A., C.E. Bowlby, M.S. Brancato, J. Calambokidis, D. Duffield, J.P. Gearin, T.A. Gornall, M.E. Gosho, B. Hanson, J. Hodder, S. Jeffries, B. Lagerquist, D.M. Lambourn, B. Mate, B. Norberg, R.W. Osborne, J.A. Rash, S. Riemer, and J. Scordino. 2004. Cetacean strandings in Oregon and Washington between 1930 and 2002. *J. Cetac. Res. Manage.* 6(1):87-99.

- Nowacek DP, Johnson MP, Tyack PL. 2004. North Atlantic right whales (*Eubalaena glacialis*) ignore ships but respond to alerting stimuli. *Proceedings of the Royal Society B: Biological Sciences* 271:227-231.
- Nowacek, D.P., L.H. Thorne, D.W. Johnston, and P.L. Tyack. 2007. Responses of cetaceans to anthropogenic noise. *Mammal Rev.* 37(2):81-115.
- Nowacek, D.P., A.I. Vedenev, B.L. Southall, and R. Racca. 2012. Development and implementation of criteria for exposure of western gray whales to oil and gas industry noise. p. 523-528 *In: A.N. Popper and A. Hawkins (eds.), The effects of noise on aquatic life.* Springer, New York, NY. 695 p.
- Nowacek, D.P., K. Bröker, G. Donovan, G. Gailey, R. Racca, R.R. Reeves, A.I. Vedenev, D.W. Weller, and B.L. Southall. 2013a. Responsible practices for minimizing and monitoring environmental impacts of marine seismic surveys with an emphasis on marine mammals. *Aquat. Mamm.* 39(4):356-377.
- Nowacek, D.P., K. Bröker, G. Donovan, G. Gailey, R. Racca, R.R. Reeves, A.I. Vedenev, D.W. Weller, and B.L. Southall. 2013b. Environmental impacts of marine seismic surveys with an emphasis on marine mammals. *Aquatic Mamm.* 39(4):356-377.
- Nowacek, D.P., C.W. Clark, P. Mann, P.J.O. Miller, H.C. Rosenbaum, J.S. Golden, M. Jasny, J. Kraska, and B.L. Southall. 2015. Marine seismic surveys and ocean noise: Time for coordinated and prudent planning. *Front. Ecol. Environ.* 13(7):378-386. <http://dx.doi.org/10.1890/130286>.
- NSF. 2012. National Science Foundation. Record of Decision for marine seismic research funded by the National Science Foundation. June 2012. Page 41 pp.
- NSF-USGS. 2011. Programmatic Environmental Impact Statement/Overseas Environmental Impact Statement for Marine Seismic Research Funded by the National Science Foundation or Conducted by the U.S. Geological Survey. Page 801, Arlington, VA.
- OBIS (Ocean Biogeographic Information System). 2017. Data from the Ocean Biogeographic Information System. Intergovernmental Oceanographic Commission of UNESCO. Accessed in November 2017 at <http://www.iobis.org>.
- Oleson, E.M., R.W. Baird, K.K. Martien, and B.L. Taylor. 2013. Island-associated stocks of odontocetes in the main Hawaiian Islands: A synthesis of available information to facilitate evaluation of stock structure. PIFSC Working WP-13-003. 41 p.
- Olson, P.A. 2009. Pilot whales *Globicephala melas* and *G. macrorhynchus*. p. 847-852 *In: W.F. Perrin, B. Würsig, and J.G.M.*
- Palka, D., A. Read, and C. Potter. 1997. Summary of knowledge of white-sided dolphins (*Lagenorhynchus acutus*) from US and Canadian Atlantic waters. Report of the International Whaling Commission 47:729-734.

Pardo, M.A., T. Gerrodette, E. Beier, D. Gendron, K.A. Forney, S.J. Chivers, J. Barlow, and D.M. Palacios. 2015. Inferring cetacean population densities from the absolute dynamic topography of the ocean in a hierarchical Bayesian framework. *PLOS One* 10(3):e0120727. DOI:10.1371/journal.pone.0120727.

Parks, S. E., C. W. Clark, and P. L. Tyack. 2007. Short- and long-term changes in right whale calling behavior: The potential effects of noise on acoustic communication. *Journal of the Acoustical Society of America* 122:3725-3731.

Parks, S.E., M. Johnson, D. Nowacek, and P.L. Tyack. 2011. Individual right whales call louder in increased environmental noise. *Biol. Lett.* 7(1):33-35.

Parks, S.E., M.P. Johnson, D.P. Nowacek, and P.L. Tyack. 2012. Changes in vocal behaviour of North Atlantic right whales in increased noise. p. 317-320 *In: A.N. Popper and A. Hawkins (eds.), The effects of noise on aquatic life.* Springer, New York, NY. 695 p.

Parks, S.E., K. Groch, P. Flores, R. Sousa-Lima, and I.R. Urazghildiiev. 2016. Humans, fish, and whales: How right whales modify calling behavior in response to shifting background noise conditions. p. 809-813 *In: A.N. Popper and A. Hawkins (eds.), The effects of noise on aquatic Life II.* Springer, New York, NY. 1292 p.

Parsons, E. C. M., S. J. Dolman, M. Jasny, N. A. Rose, M. P. Simmonds, and A. J. Wright. 2009. A critique of the UK's JNCC seismic survey guidelines for minimising acoustic disturbance to marine mammals: Best practise? *Marine pollution bulletin* 58:643-651.

Perrin, W.F., E.D. Mitchell, J.G. Mead, D.K. Caldwell, M.C. Caldwell, P.J.H. van Bree and W.H. Dawbin. 1987. Revision of the spotted dolphins, *Stenella* spp. *Mar. Mamm. Sci.* 3(2): 99-170.

Perrin, W.F. and A.A. Hohn. 1994. Pantropical spotted dolphin *Stenella attenuata* (Meyen, 1833). Pages 129-159 in: S. H. Ridgway and R. Harrison (eds.) *Handbook of marine mammals, Vol. 5: The first book of dolphins.* Academic Press, London. 416 pp.

Perrin, W.F., B. Würsig and J.G.M. Thewissen. 2009. *Encyclopedia of Marine Mammals. Second Edition.* Academic Press, Amsterdam.

Perry, S. L., D. P. DeMaster, and G. K. Silber. 1999. The humpback whale. *Marine Fisheries Review* 61: 24-37.

Perryman, W.L., D.W.K. Au, S. Leatherwood, and T.A. Jefferson. 1994. Melon-headed whale *Peponocephala electra* Gray, 1846. p. 363-386 *In: S.H. Ridgway and R. Harrison (eds.), Handbook of marine mammals, Vol. 5: The first book of dolphins.* Academic Press, London, U.K. 416 p.

Perryman, W.L. 2009. Melon-headed whale *Peponocephala electra*. p. 719-721 In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), *Encyclopedia of marine mammals*, 2nd ed. Academic Press, San Diego, CA. 1316 p.

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: Journal du Conseil*:fst079.

Pirotta, E., K. L. Brookes, I. M. Graham, and P. M. Thompson. 2014. Variation in harbour porpoise activity in response to seismic survey noise. *Biology Letters* 10:20131090.

Popper, A.N. 2009. Are we drowning out fish in a sea of noise? *Mar. Sci.* 27:18-20.

Pitman, R. 2009. Mesoplodont whales (*Mesoplodon* spp.). Pages 721-726 in W.F. Perrin, B.G. Würsig, and J.G.M. Thewissen, eds. *Encyclopedia of marine mammals*, 2nd edition. San Diego, California: Academic Press.

Popov, L. E., Kebriaee-Zadeh, M. R. and Ghobadi Pour, M. 2016. Emergence of the *Saucrorthis* Fauna in the Middle Ordovician of northern Iran. *Australasian Palaeontological Memoirs*, **49**, 485–514.

Popper, A.N. and M.C. Hastings. 2009a. The effects of human-generated sound on fish. *Integr. Zool.* 4(1):43-52.

Popper, A.N. and M.C. Hastings. 2009b. The effects of anthropogenic sources of sound on fishes. *J. Fish Biol.* 75(3):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, M.B. Halvorsen, S. Løkkeborg, P.H. Rogers, B.L. Southall, D.G. Zeddies, and W.N. Tavolga. 2014. Sound exposure guidelines for fishes and sea turtles: A technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. Springer Briefs in Oceanography. ASA Press—ASA S3/SC1.4 TR-2014. 75 p.

Radford, A.N., E. Kerridge, and S.D. Simpson. 2014. Acoustic communication in a noisy world: Can fish compete with anthropogenic noise? *Behav. Ecol.* 25(5):1022-1030.

Rankin, S. and J. Barlow. 2005. Source of the North Pacific “boing” sound attributed to minke whales. *J. Acoust. Soc. Am.* 118(5):3346-3351.

Rankin, S., T.F. Norris, M.A. Smultea, C. Oedekoven, A.M. Zoidis, E. Silva, and J. Rivers. 2007. A visual sighting and acoustic detections of minke whales, *Balaenoptera acutorostrata* (Cetacea: Balaenopteridae), in near-shore Hawaiian waters. *Pacific Sci.* 61(3):395-398.

Rankin, S., J. Barlow, J. Oswald, and L. Balance. 2008. Acoustic studies of marine mammals during seven years of combined visual and acoustic line-transect surveys for cetaceans in the eastern and central Pacific Ocean. NOAA Tech. Memo. NMFS-SWFSC-429. Nat. Mar. Fish. Serv., Southwest Fish. Sci. Center, La Jolla, CA. 58 p.

- Redfern, J.V., M.F. McKenna, T.J. Moore, J. Calambokidis, M.L. Deangelis, E.A. Becker, J. Barlow, K.A. Forney, P.C. Fiedler, and S.J. Chivers. 2013. Assessing the risk of ships striking large whales in marine spatial planning. *Conserv. Biol.* 27(2):292-302.
- Reeves, R.R., P.J. Clapham, R.L. Brownell, Jr., and G.K. Silber. 1998. Recovery plan for the blue whale (*Balaenoptera musculus*). Office of Protected Resources, NMFS, NOAA, Silver Spring, MD. 30 p.
- Reichmuth, C., Holt, M. M., Mulsow, J., Sills, J. M., and Southall, B. L. 2013. "Comparative assessment of amphibious hearing in pinnipeds," *J. Comp. Physiol. A* 199, 491–507.
- Reilly, S. B. and V. G. Thayer 1990. Blue whale (*Balaenoptera musculus*) distribution in the eastern tropical Pacific. *Marine Mammal Science* 6(4): 265-277.
- Reeves, R.R., S. Leatherwood, and R.W. Baird. 2009. Evidence of a possible decline since 1989 in false killer whales (*Pseudorca crassidens*) around the main Hawaiian Islands. *Pacific Sci.* 63(2):253-261. Reyes, J. C. 2009. Burmeister's porpoise, *Phocoena spinipinnis*. Pages 163-167 in W. F. Perrin, B. Wursig, and J. G. M. Thewissen, editors. *Encyclopedia of Marine Mammals*. Academic Press, San Diego.
- Rice, D.W. 1974. Whales and whale research in the eastern North Pacific. p. 170-195 In: W.E. Schevill (ed.), *The whale problem: a status report*. Harvard Press, Cambridge, MA
- Rice, D.W. 1978. The humpback whale in the North Pacific: distribution, exploitation and numbers. p. 29-44 In: K.S. Norris and R.R. Reeves (eds.), *Report on a workshop on problems related to humpback whales (Megaptera novaeangliae) in Hawaii*. NTIS PB 280 794, U.S. Dept. Comm.
- Rice, D.W. 1989. Sperm whale *Physeter macrocephalus* Linnaeus, 1758. p. 177-233 In: S.H. Ridgway and R. Harrison (eds.), *Handbook of marine mammals, Vol. 4: River dolphins and the larger toothed whales*. Academic Press, San Diego, CA. 444 p.
- Rice, D.W. 1998. *Marine mammals of the world, systematics and distribution*. Spec. Publ. 4. Soc. Mar. Mammal., Allen Press, Lawrence, KS. 231 p.
- Richardson, W. J., C. R. Greene, C. I. Malme, and D. H. Thomson. 1995. *Marine Mammals and Noise*. Academic Press, San Diego, California.
- Richardson, W. J., and B. Wursig. 1997. Influences of man-made noise and other human actions on cetacean behaviour. *Marine And Freshwater Behaviour And Physiology* 29:183-209.
- Richardson, W. J., B. Würsig, and C. R. Greene Jr. 1986. Reactions of bowhead whales, *Balaena mysticetus*, to seismic exploration in the Canadian Beaufort Sea. *The Journal of the Acoustical Society of America* 79:1117-1128.

Ridgway, J. R., J. Minster, N. Williams, J. L. Bufton and W. B. Krabill, 1997. Airborne laser altimeter survey of Long Valley, California. *Geophys. J. Int.*, Vol. 131, pp. 267-280

Risch, D., P. J. Corkeron, W. T. Ellison, and S. M. Van Parijs. 2012. Changes in humpback whale song occurrence in response to an acoustic source 200 km away. *PloS one* 7:e29741.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, L.P. Garrison, K.D. Mullin, T.V.N. Cole, C.B. Khan, W.A. McLellan, D.A. Pabst, and G.G. Lockhart. 2016. Habitat-based cetacean density models for the U.S. Atlantic and Gulf of Mexico. **Sci. Rep.** 6:22615.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015a. Density model for minke whale (*Balaenoptera acutorostrata*) in the U.S. Atlantic: Supplementary information, Version 8.3, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015b. Density model for northern bottlenose whale (*Hyperoodon ampullatus*) in the U.S. Atlantic: Supplementary information, Version 1.2, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015c. Density model for pilot whales (*Globicephala* spp.) in the U.S. Atlantic: Supplementary information, Version 4.3, 2015-09-30. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015d. Density model for melon-headed whale (*Peponocephala electra*) in the U.S. Atlantic: Supplementary information, Version 1.2, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015e. Density model for blue whale (*Balaenoptera musculus*) in the U.S. Atlantic: Supplementary information, Version 1.3, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015f. Density model for Fraser's dolphin (*Lagenodelphis hosei*) in the U.S. Atlantic: Supplementary information, Version 1.2, 2015-10-05. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015g. Density model for killer whale (*Orcinus orca*) in the U.S. Atlantic: Supplementary information, Version 1.2, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015h. Density model for Kogia whales (*Kogia spp.*) in the U.S. Atlantic: Supplementary information, Version 3.2, 2015-10-07. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015i. Density model for spinner dolphin (*Stenella longirostris*) in the U.S. Atlantic: Supplementary information, Version 1.1, 2015-05-14. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015j. Density model for sei whale (*Balaenoptera borealis*) in the U.S. Atlantic: Supplementary information, Version 6.4, 2015-09-28. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015k. Density model for Atlantic white-sided dolphin (*Lagenorhynchus acutus*) in the U.S. Atlantic: Supplementary information, Version 2.3, 2015-09-03. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015l. Density model for beaked whales (*Mesoplodon spp.*) in the U.S. Atlantic: Supplementary information, Version 4.3, 2015-09-08. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015m. Density model for false killer whale (*Pseudorca crassidens*) in the U.S. Atlantic: Supplementary information, Version 1.2, 2015-09-26. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015n. Density model for sperm whale (*Physeter macrocephalus*) in the U.S. Atlantic: Supplementary information, Version 6.3, 2015-09-21. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Roberts, J.J., B.D. Best, L. Mannocci, E. Fujioka, P.N. Halpin, D.L. Palka, et al. 2015o. Density model for Atlantic spotted dolphin (*Stenella frontalis*) in the U.S. Atlantic: Supplementary information, Version 7.3, 2015-09-03. Marine Geospatial Ecology Lab, Duke University, Durham, North Carolina.

Ross, G. J. B. 1984. The smaller cetaceans of the south east coast of southern Africa. *Annals of the Cape Provincial Museums Natural History* 15(2): 173-410.

Ross G.J.B and S. Leatherwood. 1994. Pygmy killer whale – *Feresa attenuata*. In: Handbook of Marine Mammals (Ridgway SH, Harrison SR, eds.) Vol. 5: The first book of dolphins. Academic Press, London, pp. 387-404.

RPS. 2012a. Protected species mitigation and monitoring report. Harbor, Washington. Rep. by RPS, Houston, TX, for Lamont-Doherty Earth Observatory of Columbia Univ., Palisades, NY, and National Science Foundation, Arlington, VA.

Schlundt, C. R., J. J. Finneran, D. A. Carder, and S. H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, *Tursiops truncatus*, and white whale, *Delphinapterus leucas*, after exposure to intense tones. *Journal of the Acoustical Society of America* 107:3496-3508.

Schlundt, C. E., J. J. Finneran, B. K. Branstetter, J. S. Trickey, and K. Jenkins. 2013. Auditory effects of multiple impulses from a seismic air gun on bottlenose dolphins (*Tursiops truncatus*). Pages 188-189 in Twentieth Biennial Conference on the Biology of Marine Mammals Dunedin, New Zealand.

Scholik, A. R. and Yan, H. Y. (2001). Effects of underwater noise on auditory sensitivity of a cyprinid fish. *Hear. Res.* 152, 17-24.

Scholik, A. R. and Yan, H. Y. (2002). The effects of noise on the auditory sensitivity of the bluegill sunfish, *Lepomis macrochirus*. *Comp. Biochem. Physiol. A* 133, 43-52.

Scholik-Schlomer, A. 2015. Where the decibels hit the water: perspectives on the application of science to real-world underwater noise and marine protected species issues. *Acoustics Today* 11(3):36-44.

Sergeant, D.E. 1977. Stocks of fin whales *Balaenoptera physalus* L. in the North Atlantic Ocean. *Rep. Int. Whal. Comm.* 27:460-473.

Smultea, M. A., M. Holst, W. R. Koski, and S. Stoltz. 2004. Marine mammal monitoring during Lamont-Doherty Earth Observatory's seismic program in the Southeast Caribbean Sea and adjacent Atlantic Ocean, April-June 2004. LGL Rep. TA2822-26 King City, Ontario.

Silber, G.K., M.W. Newcomer, P.C. Silber, H. Perez-Cortes, and G.M. Ellis. 1994. Cetaceans of the northern Gulf of California: Distribution, occurrence, and relative abundance. *Marine Mammal Science* 10 (3):283-298.

Sivle, L.D., P.H., Kvadsheim, and M.A. Ainslie. 2014. Potential for population-level disturbance by active sonar in herring. *ICES J. Mar. Sci.* 72:558-567.

Sivle, L.D., P.H. Kvadsheim, A. Fahlman, F.P.A. Lam, P.L. Tyack, and P.J.O. Miller. 2012. Changes in dive behavior during naval sonar exposure in killer whales, long-finned pilot whales, and sperm whales. *Front. Physiol.* 3(400). <http://dx.doi.org/10.3389/fphys.2012.00400>.

Sivle, L.D., P.H. Kvaldsheim, C. Cure, S. Isojunno, P.J. Wensveen, F.-P.A. Lam, F. Visser, L. Kleivane, P.L. Tyack, C.M Harris, and P.J.O. Miller. 2015. Severity of expert-identified behavioural responses of humpback whale, minke whale, and northern bottlenose whale to naval sonar. *Aquat. Mamm.* 41(4) :469-502.

Southall, B.L., T. Rowles, F. Gulland, R.W. Baird, and P.D. Jepson. 2013. Final report of the Independent Scientific Review Panel investigating potential contributing factors to a 2008 mass stranding of melon-headed whales (*Peponocephala electra*) in Antsohihy, Madagascar.

Southall, B. L., A. E. Bowles, W. T. Ellison, J. J. Finneran, R. L. Gentry, G. Jr., K. D. C. R., 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* 33:411-522.

Southall, B. L., T. Rowles, F. Gulland, R. W. Baird, and P. D. Jepson. 2013. Final report of the Independent Scientific Review Panel investigating potential contributing factors to a 2008 mass stranding of melon headed whales (*Peponocephala electra*) in Antsohihy, Madagascar. Page 75. Madagascar.

Stacey, P.J. and R.W. Baird. 1991. Status of the false killer whale, *Pseudorca crassidens*, in Canada. *Can. Field-Nat.* 105(2):189-197.

Stacey, P. J., et al. 1994. *Pseudorca crassidens*. *Mammalian Species* 456: 6.

Stafford, K. M., S. L. Nieuwkirk, and C. G. Fox. 2001. Geographic and seasonal variation of blue whale calls in the North Pacific. *Journal of Cetacean Research and Management* 3.

Stafford, K.M., D.K. Mellinger, S.E. Moore, and C.G. Fox. 2007. Seasonal variability and detection range modeling of baleen whale calls in the Gulf of Alaska, 1999–2002. *J. Acoust. Soc. Am.* 122(6):3378-3390.

Stafford, K.M., J.J. Citta, S.E. Moore, M.A. Daher, and J.E. George. 2009. Environmental correlates of blue and fin whale call detections in the North Pacific Ocean from 1997 to 2002. *Mar. Ecol. Progr. Ser.* 395:37-53.

Tal S., Hadanny A., Berkovitz N., Sasson E., Ben-Jacob E., Efrati S. (2015). Hyperbaric oxygen may induce angiogenesis in patients suffering from prolonged post-concussion syndrome due to traumatic brain injury. *Restor. Neurol. Neurosci.* 33, 943–951. 10.3233/RNN-150585.

Thompson, D. R., M. Sjoberg, M. E. Bryant, P. Lovell, and A. Bjorge. 1998. Behavioural and physiological responses of harbour (*Phoca vitulina*) and grey (*Halichoerus grypus*) seals to seismic surveys. Report to European Commission of BROMMAD Project. MAS2 C 7940098.

Thompson, P. M., K. L. Brookes, I. M. Graham, T. R. Barton, K. Needham, G. Bradbury, and N. D. Merchant. 2013. Short-term disturbance by a commercial two-dimensional seismic survey

does not lead to long-term displacement of harbour porpoises. *Proceedings of the Royal Society B: Biological Sciences* 280:20132001.

Tyack, P.L. and V.M. Janik. 2013. Effects of noise on acoustic signal production in marine mammals. p. 251-271 *In*: H. Brumm (ed.), *Animal communication and noise*. Springer, Berlin, Heidelberg, Germany. 453 p.

Tyack, P.L., W.M.X. Zimmer, D. Moretti, B.L. Southall, D.E. Claridge, J.W. Durban, C.W. Clark, A. D'Amico, N. DiMarzio, S. Jarvis, E. McCarthy, R. Morrissey, J. Ward, and I.L. Boyd. 2011. Beaked whales respond to simulated and actual navy sonar. *PLoS One* 6(e17009). <http://dx.doi.org/10.1371/journal.pone.0017009>.

Urick, R. J. 1983. *Principles of Underwater Sound*. McGraw-Hill, New York.

U.S. Navy. 2010. NAVSEA NUWC Keyport Range Complex Extension Environmental Impact Statement/Overseas Environmental Impact Statement. Appendix D: Marine mammal densities and depth distribution. Prepared by Naval Facilities Engineering Command Northwest for Naval Undersea Warfare Center, Keyport.

Van Waerebeek, K., J. Canto, J. Gonzalez, J. Oporto, and J. L. Brito. 1991. Southern right whale dolphins, *Lissodelphis peronii* off the Pacific coast of South America. *Zeitschrift fur Saugtierkunde* 56:284-295.

Von Saunder, A. and J. Barlow. 1999. A report of the Oregon, California and Washington line-transect experiment (ORCAWALE) conducted in west coast waters during summer/fall 1996. NOAA Tech. Memo. NMFS-SWFSC-264. Nat. Mar. Fish. Serv, Southwest Fish. Sci. Center, La Jolla, CA. 40 p.

Wade, P. R., and T. Gerrodette. 1993. Estimates of cetacean abundance and distribution in the eastern tropical Pacific. Report of the International Whaling Commission 43.

Wade, P. R., A. De Robertis, K. Hough, R. Booth, A. Kennedy, R. LeDuc, L. Munger, J. Napp, K. E. W. Shelden, S. Rankin, O. Vasquez, and C. Wilson. 2011b. Rare detections of North Pacific right whales in the Gulf of Alaska, with observations of their potential prey. *Endang. Species Res.* 13:99-109.

Waite, J. M., K. Wynne, and D. K. Mellinger. 2003. Documented sighting of a North Pacific right whale in the Gulf of Alaska and post-sighting acoustic monitoring. *Northwest. Nat.* 84:38-43.

Walker, J.L., C.W. Potter, and S.A. Macko. 1999. The diets of modern and historic bottlenose dolphin populations reflected through stable isotopes. *Mar. Mamm. Sci.* 15(2):335-350.

Wang, M.-C., W.A. Walker, K.-T. Shao, and L.-S. Chou. 2002. Comparative analysis of the diets of pygmy sperm whales and dwarf sperm whales in Taiwanese waters. *Acta Zoologica Taiwanica* 13(2):53-62.

- 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., E. Josephson, C.P. Fairfield, and K. Maze-Foley (eds.). 2007. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments: 2007. NOAA Technical Memorandum NMFS-NE-205, National Marine Fisheries Service: 426.
- Waring G.T., L. Nøttestad, E. Olsen, H. Skov, and G. Víkingsson. 2008. Distribution and density estimates of cetaceans along the mid-Atlantic Ridge during summer 2004. *J. Cetac. Res. Manage.* 10:137–146.
- Waring, G.T., E. Josephson, K. Maze-Foley, and P.E. Rosel (eds.). 2016. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments: 2015. NOAA Technical Memorandum NMFS-NE-238, National Marine Fisheries Service: 512.
- Wartzok, D., and D.R. Ketten. 1999. Marine mammal sensory systems. Pages 117-175 in J.E. Reynolds III and S.A. Rommel, eds. *Biology of Marine Mammals*. Washington, D.C.: Smithsonian Institution Press.
- Wartzok et al. 2003. Factors Affecting the Responses of Marine Mammals to Acoustic Disturbance. *Marine Technology Society Journal* 37(4):6-15.
- Watkins, W.A., M.A. Daher, G.M. Reppucci, J.E. George, D.L. Martin, N.A. DiMarzio, and D.P. Gannon. 2000a. Seasonality and distribution of whale calls in the North Pacific. *Oceanography* 13:62-67.
- Watkins, W.A., J.E. George, M.A. Daher, K. Mullin, D.L. Martin, S.H. Haga, and N.A. DiMarzio. 2000b. Whale call data from the North Pacific, November 1995 through July 1999: occurrence of calling whales and source locations from SOSUS and other acoustic systems. Tech. Rep. WHOI-00-02. Woods Hole Oceanographic Inst., Woods Hole, MA. 160 p.
- Weilgart, L.S. 2007. A brief review of known effects of noise on marine mammals. *Int. J. Comp. Psychol.* 20(2):159-168.
- Weinrich, M.T., C.R. Belt, and D. Morin. 2001. Behavior and ecology of the Atlantic white-sided dolphin (*Lagenorhynchus acutus*) in coastal New England waters. *Marine Mammal Science* 17 (2):231-248.
- Weir, C. R. 2008. Short-finned pilot whales (*Globicephala macrorhynchus*) respond to an airgun ramp-up procedure off Gabon. *Aquatic Mammals* 34:349-354.
- Weller, D.W., Y.V. Ivashchenko, G.A. Tsidulko, A.M. Burdin, and R.L. Brownell, Jr. 2002. Influence of seismic surveys on western gray whales off Sakhalin Island, Russia in 2001. Paper SC/54/BRG14, IWC, Western Gray Whale Working Group Meet., 22-25 Oct., Ulsan, South Korea. 12 p.

Weller, D.W., S.H. Rickards, A.L. Bradford, A.M. Burdin, and R.L. Brownell, Jr. 2006a. The influence of 1997 seismic surveys on the behavior of western gray whales off Sakhalin Island, Russia. Paper SC/58/E4 presented to the IWC Scient. Commit., IWC Annu. Meet., 1-13 June, St. Kitts.

Weller, D.W., G.A. Tsidulko, Y.V. Ivashchenko, A.M. Burdin and R.L. Brownell Jr. 2006b. A re-evaluation of the influence of 2001 seismic surveys on western gray whales off Sakhalin Island, Russia. Paper SC/58/E5 presented to the IWC Scient. Commit., IWC Annu. Meet., 1-13 June, St. Kitts.

Whitehead, H. 2002. Estimates of the current global population size and historical trajectory for sperm whales. *Marine Ecology Progress Series* 242:295-304.

Whitehead, H. 2003. Sperm whales: social evolution in the ocean. University of Chicago Press, Chicago, IL. 431 p.

Whitehead, H. and T. Wimmer. 2005. Heterogeneity and the mark-recapture assessment of the Scotian Shelf population of northern bottlenose whales (*Hyperoodon ampullatus*). *Canadian Journal of Fisheries and Aquatic Sciences* **62** (11):2573-2585.

Whitehead, H. 2009. Sperm whale *Physeter macrocephalus*. p. 1091-1097 In: W.F. Perrin, B. Würsig, and J.G.M. Thewissen (eds.), *Encyclopedia of marine mammals*, 2nd edit. Academic Press, San Diego, CA. 1316 p.

Whitehead, H. and S.K. Hooker. 2012. Uncertain status of the northern bottlenose whale *Hyperoodon ampullatus*: Population fragmentation, legacy of whaling and current threats. *Endangered Species Research* **19** (1):47-61.

Würsig, B., S.K. Lynn, T.A. Jefferson, and K.D. Mullin. 1998. Behaviour of cetaceans in the northern Gulf of Mexico relative to survey ships and aircraft. *Aquat. Mamm.* 24(1):41-50.

Würsig, B.G., D.W. Weller, A.M. Burdin, S.H. Reeve, A.L Bradford, S.A. Blokhin, and R.L Brownell, Jr. 1999. Gray whales summering off Sakhalin Island, Far East Russia: July-October 1997. A joint U.S.-Russian scientific investigation. Final Report. Rep. from Texas A&M Univ., College Station, TX, and Kamchatka Inst. Ecol. & Nature Manage., Russian Acad. Sci., Kamchatka, Russia, for Sakhalin Energy Investment Co. Ltd and Exxon Neftegaz Ltd, Yuzhno-Sakhalinsk, Russia. 101 p.

Würsig, B., T.A. Jefferson, and D.J. Schmidly. 2000. *The marine mammals of the Gulf of Mexico*. Texas A&M University Press, College Station, TX. 232 p.

Yazvenko, S. B., McDonald, T. L., Blokhin, S. A., Johnson, S. R., Melton, H. R., Newcomer, M. W., et al. (2007). Feeding of western gray whales during a seismic survey near Sakhalin Island, Russia. *Environmental Monitoring and Assessment*.

Yelverton, J.T., Richmond, D.R., Fletcher, E.R., Jones, R.K., 1973. Safe distances from underwater explosions for mammals and birds. Defense Nuclear Agency report DNA3114T. Accession number AD766952.

Zimmer, W.M.X. and P.L. Tyack. 2007. Repetitive shallow dives pose decompression risk in deep-diving beaked whales. *Marine Mammal Science* 23 (4):888-925.