

This list was generated from the Aquatic Acoustic Archive
(<http://aquaticacousticarchive.com/literaturelibrary.php>)

Effects of Noise as a Deterrent

- Andersen, S., and Hawkins, A. 1978. Scaring seals by sound. *Mammal Review*, 8(1-2), 19-24.
- Brandt, M.J., Hoschle, C., Diederichs, A., Betke, K., Matuschek, R., and Nehls, G. (2013). Seal scarers as a tool to deter harbour porpoises from offshore construction sites. *Marine Ecology Progress Series*, 475, 291-302.
- [Erbe, C., and McPherson, C. 2012. Acoustic characterisation of bycatch mitigation pingers on Queensland Shark Control nets. *Endangered Species Research*, 19\(2\), 109-121, doi: 10.3354/esr00467.](#)
- Gervaise, C., and Andre, M. 2008. Optimal design of a whale of anti-collision system. *Traitement Du Signal*, 25(1-2), 13-27.
- Goodson, A.D. 1997. Developing deterrent devices designed to reduce the mortality of small cetaceans in commercial fishing nets. *Marine and Freshwater Behaviour and Physiology*, 29(1-4), 211-236.
- [Gotz, T., and Janik, V.M. 2010. Aversiveness of sounds in phocid seals: psycho-physiological factors, learning processes and motivation. *Journal of Experimental Biology*, 213\(9\), 1536-1548, doi: 10.1242/Jeb.035535.](#)
- Gotz, T., and Janik, V.M. 2013. Acoustic deterrent devices to prevent pinniped depredation: Efficiency, conservation concerns and possible solutions. *Marine Ecology Progress Series*, 492, 285-302.
- Götz, T., and Janik, V.M. 2010. Aversiveness of sounds in phocid seals: psycho-physiological factors, learning processes and motivation. *Journal of Experimental Biology*, 213, 1536-1548.
- Hardy, T., Williams, R., Caslake, R., and Tregenza, N. 2012. An investigation of acoustic deterrent devices to reduce cetacean bycatch in an inshore set net fishery. *Journal of Cetacean Research and Management*, 12(1), 85-90.
- Jacobs, S.R., and Terhune, J.M. 2002. The effectiveness of acoustic harassment devices in the Bay of Fundy, Canada: Seal reactions and a noise exposure model. *Aquatic Mammals*, 28, 147-158.
- Johnston, D.W. 2002. The effect of acoustic harassment devices on harbour porpoises (*Phocoena phocoena*) in the Bay of Fundy, Canada. *Biological Conservation*, 108(1), 113-118, doi: 10.1016/s0006-3207(02)00099-x.
- [Kastelein, R.A., van der Heul, S., Terhune, J.M., Verboom, W.C., and Triesscheijn, R.J.V. 2006. Deterring effects of 8-45 kHz tone pulses on harbour seals \(*Phoca vitulina*\) in a large pool. *Marine Environmental Research*, 62\(5\), 356-373, doi: 10.1016/j.marenvres.2006.05.004.](#)
- [Kastelein, R.A., Verboom, W.C., Jennings, N., and de Haan, D. 2008. Behavioural avoidance threshold level of a harbour porpoise \(*Phocoena phocoena*\) for a continuous 50 kHz pure tone \(L\). *Journal of the Acoustical Society of America*, 123\(4\), 1858-1861, doi: 10.1121/1.2874557.](#)
- McPherson, G.R., Lien, J., Gribble, N.A., and Lane, B. 2000. Utilisation of an acoustic alarm strategy to minimise bycatch of humpback whales in Queensland coastal gill net fisheries. *Humpback Whale Conference*, 1-10.
- [Stansbury, A.L., Gotz, T., Deecke, V.B., and Janik, V.M. 2014. Grey seals use anthropogenic signals from acoustic tags to locate fish: evidence from a simulated foraging task. *Proceedings of the Royal Society B*, 282\(1798\), doi: 10.1098/rspb.2014.1595.](#)

- Small, R.J., Brost, B., Hooten, M., Castellote, M., and Mondragon, J. 2017. Potential for spatial displacement of Cook Inlet beluga whales by anthropogenic noise in critical habitat. *Endangered Species Research*, 32, 43-57.
- Würsig, B., and Greene Jr., C.R. 2002. Underwater sounds near a fuel receiving facility in western Hong Kong: relevance to dolphins. *Marine Environmental Research*, 54, 129-145.

Effects of Noise from Pile Driving

- Bailey, H., Senior, B., Simmons, D., Rusin, J., Picken, G., and Thompson, P.M. 2010. Assessing underwater noise levels during pile-driving at an offshore windfarm and its potential effects on marine mammals. *Marine Pollution Bulletin*, 60(6), 888-897, doi: 10.1016/j.marpolbul.2010.01.003.
- Brandt, M.J., Diederichs, A., Betke, K., and Nehls, G. 2011. Responses of harbour porpoises to pile driving at the Horns Rev II offshore wind farm in the Danish North Sea. *Marine Ecology Progress Series*, 421, 205-216.
- David, J.A. 2006. Likely sensitivity of bottitviircnsns. *Mar* 0.002 T

Frankel, A.S., and Clark, C.W. 2002. ATOC and other factors affecting the distribution and abundance of humpback whales (*Megaptera novaeangliae*) off the north shore of Kauai. *Marine Mammal Science*, 18(3), 644-662.

Herman, L.M. 1994. Hawaiian humpback whales and ATOC: A conflict of interests. *The Journal of Environment and Development*, 3(2), 63-76.

Effects of Noise from Seismic Surveys

[Carroll, A.G., Przeslawski, R., Duncan, A., Gunning, M., and Bruce, B. 2017. A critical review of the potential impacts of marine seismic surveys on fish & invertebrates. *Marine Pollution Bulletin*, 114\(1\), 9-24, doi: 10.1016/j.marpolbul.2016.11.038.](#)

[Castellote, M., Clark, C., and Lammers, M. \(2012\). Acoustic and behavioural changes by fin whales \(*Balaenoptera physalus*\) in response to shipping and airgun noise. *Biological Conservation*, 147\(1\), 115-122, doi: 10.1016/j.biocon.2011.12.021.](#)

Cato, D.H., Noad, M.J., Dunlop, R.A., McCauley, R.D., Gales, N.J., Salgado Kent, C.P., Kniest, H., Paton, D., Jenner, K.C.S., Noad, J., Maggi, A.L., Parnum, I.M., and Duncan, A.J. 2013. A study of the behavioural response of whales to the noise of seismic air guns: design, methods and progress. *Acoustics Australia*, 41(1), 88-97.

[Di Iorio, L., and Clark, C.W. 2010. Exposure to seismic survey alters blue whale acoustic communication. *Biology Letters*, 6\(1\), 51-54, doi: 10.1098/rsbl.2009.0651.](#)

[Dunlop, R.A., Noad, M.J., McCauley, R.D., Kniest, E., Paton, D., and Cato, D.H. 2015. The behavioural response of Humpback Whales \(*Megaptera novaeangliae*\) to a 20 cubic inch air gun. *Aquatic Mammals*, 41\(4\), 412-433, doi: 10.1578/AM.41.4.2015.412](#)

Engas, A., and Løkkeborg, S. 2002. Effects of seismic shooting and vessel-generated noise, on fish behaviour and catch rates. *Bioacoustics*, 12(2-3), 313-316.

[Fewtrell, J.L., and McCauley, R.D. 2012. Impact of air gun noise on the behaviour of marine fish and squid. *Marine Pollution Bulletin*, 64\(5\), 984-993.](#)

[Finneran, J.J., Dear, R., Carder, D.A., and Ridgway, S.H. 2003. Auditory and behavioral responses of California sea lions \(*Zalophus californianus*\) to single underwater impulses from an arc-gap transducer. *Journal of the Acoustical Society of America*, 114\(3\), 1667-1677, doi: 10.1121/1.1598194.](#)

[Finneran, J.J., Schlundt, C.E., Dear, R., Carder, D.A., and Ridgway, S.H. 2002. Temporary shift in masked hearing threshold for 100-4000 Hz narrowband noise. *Journal of the Acoustical Society of America*, 112\(5\), 2463-2473, doi: 10.1121/1.1598194.](#)

- Gordon, J., Gillespie, D., Potter, J., Frantzis, A., Simmonds, M.P., Swift, R., and Thompson, D. 2003. A review of the effects of seismic surveys on marine mammals. *Marine Technology Society Journal*, 37(4), 16-34.
- [Harris, R.E., Miller, G.W., and Richardson, W.J. 2001. Seal responses to airgun sounds during summer seismic surveys in the Alaskan Beaufort Sea. *Marine Mammal Science*, 17\(4\), 795-812, doi: 10.1111/j.1748-7692.2001.tb01299.x.](#)
- [Hermanssen, L., Tougaard, J., Beedholm, K., Nabe-Nielsen, J., and Madsen, P.T. 2015. Characteristics and propagation of airgun pulses in shallow water with implications for effects on small marine mammals. *PLoS ONE*, 10\(7\), e0133436, doi: 10.1371/journal.pone.0133436](#)
- [Jorgenson, J.K., and Gyselman, E.C. 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.](#)
- Kremser, U., Klemm, P., and Kotz, W.D. 2005. Estimating the risk of temporary acoustic threshold shift, caused by hydroacoustic devices, in whales in the Southern Ocean. *Antarctic Science*, 17(1), 3-10.
- [Lalas, C., and McConnell, H. 2016. Effects of seismic surveys on New Zealand fur seals during daylight hours: Do fur seals respond to obstacles rather than airgun noise? *Marine Mammal Science*, 32\(2\), 643-663, doi: 10.1111/mms.12293.](#)
- [Lucke, K., Siebert, U., Lepper, P.A., and Blanchet, M.-A. 2009. Temporary shift in masked hearing thresholds in a harbor porpoise \(*Phocoena phocoena*\) after exposure to seismic airgun stimuli. *Journal of the Acoustical Society of America*, 125\(6\), 4060-4070, doi: 10.1121/1.3117443.](#)
- [Muir, J.E., Ainsworth, L., Racca, R., Bychkov, Y., Gailey, G., Vladimirov, V., Starodymov, S., and Bröker, K. 2016. Gray whale densities during a seismic survey off Sakhalin Island, Russia. *Endangered Species Research*, 29\(3\), 211-227, doi: 10.3354/esr00709.](#)
- [Nieukirk, S., Mellinger, D., Moore, S., Klinck, K., Dziak, R., and Goslin, J. \(2012\). Sounds from airguns and fin whales recorded in the mid-Atlantic Ocean, 1999–2009. *Journal of the Acoustical Society of America*, 131\(2\), 1102-1112.](#)
- Parente, C.L., and de Araujo, M.E. 2011. Effectiveness of monitoring marine mammals during marine seismic surveys off northeast Brazil. *Journal of Integrated Coastal Zone Management*, 11(4), 409-419.
- Parsons, E.C.M., Dolman, S.J., Jasny, M., Rose, N.A., Simmonds, M.P., and Wright, A.J. 2009. A critique of the UK's JNCC seismic survey guidelines for minimising acoustic disturbance to marine mammals: Best practise? *Marine Pollution Bulletin*, 58(5), 643-651, doi: 10.1016/j.marpolbul.2009.02.024.
- Paxton, A.B., Taylor, J.C., Nowacek, D.P., Dale, J., Cole, E., Voss, C.M., and Peterson, C.H. 2017. Seismic survey noise disrupted fish use of a temperate reef. *Marine Policy*, 78, 68-73, doi: <http://dx.doi.org/10.1016/j.marpol.2016.12.017>.
- Payne, J.F., Andrews, C.A., Fancy, L.L., Cook, A.L., and Christian, J.R. 2007. Pilot Study on the Effects of Seismic Air Gun Noise on Lobster (*Homarus americanus*). Canadian Technical Report of Fisheries and Aquatic Sciences, 2712.
- Reeves, R.R., Ljungblad, D.K., and Clarke, J.T. 1984

- [gun impulses. The Journal of the Acoustical Society of America, 140\(4\), 2646-2658. doi: 10.1121/1.4964470.](#)
- [Richardson, W.J., Wursig, B., and Greene, C.R., Jr. 1986. Reactions of bowhead whales, *Balaena mysticetus*, to seismic exploration in the Canadian Beaufort Sea. Journal of the Acoustical Society of America, 79\(4\), 1117-1128.](#)
- [Rutenko, A.N., Borisov, S.V., Gritsenko, A.V., and Jenkerson, M.R. 2007. Calibrating and monitoring the western gray whale mitigation zone and estimating acoustic transmission during a 3D seismic survey, Sakhalin Island, Russia. Environmental Monitoring and Assessment, 134\(1-3\), 21-44, doi: 10.1007/s10661-007-9814-z.](#)
- [Sills, J.M., Southall, B.L., and Reichmuth, C. 2017. The influence of temporally varying noise from seismic air guns on the detection of underwater sounds by seals. The Journal of the Acoustical Society of America, 141\(2\), 996-1008, doi: 10.1121/1.4976079.](#)
- [Slotte, A., Hansen, K., Dalen, J., and Ona, E. 2004. Acoustic mapping of pelagic fish distribution and abundance in relation to a seismic shooting area off the Norwegian west coast. Fisheries Research, 67\(2\), 143-150, doi: 10.1016/j.fishres.2003.09.046.](#)
- [Stone, C.J., and Tasker, M.L. 2006. The effects of seismic airguns on cetaceans in UK waters. Journal of Cetacean Resource Management, 8\(3\), 255-263.](#)
- [Wang, Z., Wu, Y., Duan, G., Cao, H., Liu, J., Wang, K., and Wang, D. 2014. Assessing the underwater acoustics of the world's largest vibration hammer \(OCTA-KONG\) and its potential effects on the Indo-Pacific humpbacked dolphin \(*Sousa chinensis*\). PLoS ONE, 9\(10\), e110590, doi: 10.1371/journal.pone.0110590](#)
- [Wiggins, S.M., Hall, J.M., Thayre, B.J., and Hildebrand, J.A. 2016. Gulf of Mexico low-frequency ocean soundscape impacted by airguns. The Journal of the Acoustical Society of America, 140\(1\), 176-183, doi: 10.1121/1.4955300.](#)
- [Wright, A.J., and Cosentino, A.M. 2015. JNCC guidelines for minimising the risk of injury and disturbance to marine mammals from seismic surveys: We can do better. Marine Pollution Bulletin, 100\(1\), 231–239, doi: 10.1016/j.marpolbul.2015.08.045.](#)

Effects of Noise from Sonars

- [Chapman, D. 1998. The elusive decibel: thoughts on sonars and marine mammals. Canadian Acoustics, 26\(2\), 29-31.](#)
- [Clark, C.W., and Altman, N.S. \(2006\). Acoustic detections of blue whale \(*Balaenoptera musculus*\) and fin whale \(*B. physalus*\) sounds during a SURTASS LFA exercise. IEEE Journal of Oceanic Engineering, 31\(1\), 120-128, doi: 10.1109/Joe.2006.872213.](#)
- [Craig, R.K. 2009. Beyond Winter V NRDC. A decade of litigating the Navy's active sonar around the environmental exemptions. Environmental Affairs, 36\(353\), 353-378.](#)
- [Curé, C., Isojunno, S., Visser, F., Wensveen, P.J., Sivle, L.D., Kvasdheim, P.H., Lam, F.P.A., and Miller, P.J.O. 2016. Biological significance of sperm whale responses to sonar: comparison with anti-predator responses. Endangered Species Research, 31, 89-102, doi: 10.3354/esr00748.](#)
- [Doksæter, L., Handegard, N., Godø, O., Kvasdheim, P., and Nordlund, N. 2012. Behaviour of captive herring exposed to naval sonar transmissions \(1.0–308 m | +ʋj tqwi j qwʋc" { gctnʋ" cycle. Journal of the Acoustical Society of America, 131\(2\), 1632-1642.](#)
- [Dolman, S.J., Evans, P.G.H., Notarbartolo-di-Sciara, G., and Frisch, H. 2011. Active sonar, beaked whales and European regional policy. Marine Pollution Bulletin, 63\(1-4\), 27-34, doi: 10.1016/j.marpolbul.2010.03.034.](#)

- [Guan, S., Southall, B.L., Vignola, J.F., Judge, J.A., and Turo, D. 2017. Sonar inter-ping noise field characterization during cetacean behavioral response studies off Southern California. *Acoustical Physics*, 63\(2\), 204-215, doi: 10.1134/s106377101702004x.](#)
- [Isojunno, S., Curé, C., Kvadsheim, P.H., Lam, F.-P.A., Tyack, P.L., Wensveen, P.J., and Miller, P.J.O.M. 2016. Sperm whales reduce foraging effort during exposure to 1–2 kHz sonar and killer whale sounds. *Ecological Applications*, 26\(1\), 77-93, doi: 10.1890/15-0040.](#)
- [Kane, A.S., Song, J., Halvorsen, M.B., Miller, D.L., Salierno, J.D., Wysocki, L.E., Zeddies, D., and Popper, A.N. 2010. Exposure of fish to high-intensity sonar does not induce acute pathology. *Journal of Fish and Biology*, 76\(7\), 1825-1840.](#)
- [Kastelein, R.A., Steen, N., de Jong, C., Wensveen, P.J., and Verboom, W.C. 2011. Effect of broadband-noise masking on the behavioral response of a harbor porpoise \(*Phocoena phocoena*\) to 1-s duration 6-7 kHz sonar up-sweeps. *Journal of the Acoustical Society of America*, 129\(4\), 2307-2315, doi: 10.1121/1.3559679.](#)
- [Hilary L. Maybaum. H.L. 1993. Responses of humpback whales to sonar sounds. *The Journal of the Acoustical Society of America* 94, 1848.](#)
- [Kastelein, R.A., van den Belt, I., Helder-Hoek, L., Gransier, R., and Johansson, T. 2011. Behavioral responses of a harbor porpoise \(*Phocoena phocoena*\) to 25-kHz fm sonar signals. *Aquatic Mammals*, 41\(3\), 311-326, doi: 10.1578/AM.41.3.2015.311.](#)
- [Moretti, D., Thomas, L., Marques, T., Harwood, J., Dilley, A., Neales, B., Shaffer, J., McCarthy, E., New, L., Jarvis, S., and Morrissey, R. 2014. A risk function for behavioral disruption of Blainville's beaked whales \(*Mesoplodon densirostris*\) from mid-frequency active sonar. *PloS One*, 9\(1\), e85064.](#)
- [Parsons, E.C.M., Dolman, S.J., Wright, A.J., Rose, N.A., and Burns, W.C.G. \(2008\). Navy sonar and cetaceans: Just how much does the gun need to smoke before we act? *Marine Pollution Bulletin*, 56\(7\), 1248-1257, doi: 10.1016/j.marpolbul.2008.04.025.](#)
- [Sivle, L.D., Kvadsheim, P.H., Cure, C., Isojunno, S., Wensveen, P.J., Lam, F.-P.A., Visser, F., Kleivane, L., Tyack, P.L., Harris, C.M., and Miller, P.J.O. 2015. Severity of expert-identified behavioural responses of Humpback Whale, Minke Whale, and Northern Bottlenose Whale to naval sonar. *Aquatic Mammals*, 41\(4\), 469-502, doi: 10.1578/AM.41.4.2015.469](#)
- [Stimpert, A.K., Deruiter, S.L., Southall, B.L., Moretti, D.J., Falcone, E.A., Goldbogen, J.A., Friedlaender, A., Schorr, G.S., and Calambokidis, J. 2014. Acoustic and foraging behavior of a Baird's beaked whale, *Berardius bairdii*, exposed to simulated sonar. *Scientific Reports*, 4, 7031, doi: 10.1038/srep07031.](#)
- [Tyack, P.L., Zimmer, W.M.X., Moretti, D., Southall, B.L., Claridge, D.E., Durban, J.W., Clark, C.W., D'Amico, A., DiMarzio, N., Jarvis, S., McCarthy, E., Morrissey, R., Ward, J., and Boyd, I.L. 2011. Beaked whales respond to simulated and actual navy sonar. *PLoS ONE*, 6\(3\), e17009, doi: 10.1371/journal.pone.0017009.](#)
- [Wensveen, P.J., Von Benda-Beckmann, A.M., Ainslie, M.A., Lam, F.-P.A., Kvadsheim, P.H., Tyack, P.L., and Miller, J.O. 2015. How effectively do horizontal and vertical response strategies of long-finned pilot whales reduce sound exposure from naval sonar? *Marine Environmental Research*, 106, 68-81, doi: 10.1016/j.marenvres.2015.02.005.](#)
- [Zirbel, K., Balint, P., and Parsons, E.C.M. 2011. Navy sonar, cetaceans and the US Supreme Court: A review of cetacean mitigation and litigation in the US. *Marine Pollution Bulletin*, 63\(1-4\), 40-48, doi: 10.1016/j.marpolbul.2011.03.018.](#)

Effects of Noise from Underwater Mining

[Mann, D., Cott, P., and Horne, B. 2009. Under-ice noise generated from diamond exploration in a Canadian sub-arctic lake and potential impacts on fishes. The Journal of the Acoustical Society of America, 126\(5\), 2215-2222, doi: 10.1121/1.3203865.](#)

Effects of Noise from Vessels

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

[Allen, K., Peterson, M., Sharrard, G., Wright, D., and Todd, S. 2012. Radiated noise from commercial ships in the Gulf of Maine: Implications for whale/vessel collisions. The Journal of the Acoustical Society of America, 132\(3\), EL229-EL235.](#)

[Amoser, S., Wysocki, L.E., and Ladich, F. 2004. Noise emission during the first powerboat race in an Alpine lake and potential impact on fish communities. The Journal of the Acoustical Society of America, 116\(6\), 3789-3797.](#)

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

Ando-Mizobata, N., Ichikawa, K., Arai, N., and Kato, H. 2014. Does boat noise affect dugong (*Dugong dugon*) vocalization? Mammal Study, 39(2), 121-127, doi: 10.3106/041.039.0208

[Au, W.W.L., and Green, M. 2000. Acoustic interaction of humpback whales and whale-watching boats. Marine Environmental Research, 49\(5\), 469-481, doi: 10.1016/s0141-1136\(99\)00086-0.](#)

Bauer, G.B., Mobley, J.R., and Herman, L.M. 1993. Responses of wintering humpback whales to vessel traffic. The Journal of the Acoustical Society of America, 94(3), 1848.

[Brierley, A.S., Fernandes, P.G., Brandon, M.A., Armstrong, F., Millard, N.W., McPhail, S.D., Stevenson, P., Pebody, M., Perrett, J., Squires, M., Bone, D.G., and Griffiths, G. 2003. An investigation of avoidance by Antarctic krill of RRS James Clark Ross using the Autosub-2 autonomous underwater vehicle. Fisheries Research, 60\(2-3\), 569-576. doi: Pii S0165-7836\(02\)00144-3.](#)

Buckstaff, K.C. 2004. Effects of watercraft noise on the acoustic behaviour of bottlenose dolphins, *Tursiops truncatus*, in Sarasota Bay, Florida. Marine Mammal Science 20(4), 709-725.

[Castellote, M., Clark, C., and Lammers, M. \(2012\). Acoustic and behavioural changes by fin whales \(*Balaenoptera physalus*\) in response to shipping and airgun noise. Biological Conservation, 147\(1\), 115-122, doi: 10.1016/j.biocon.2011.12.021.](#)

- Footo, A.D., Osborne, R.W., and Hoelzel, A.R. 2004. Whale-call response to masking boat noise. [10.1038/428910a]. *Nature*, 428(6986), 910, doi: http://www.nature.com/nature/journal/v428/n6986/supinfo/428910a_S1.html.
- Fujieda, S., Inamoto, T., Yamanaka, Y., and Matsuno, Y. 1998. Interference of underwater noise emitted by cruising vessel. *Nippon Suisan Gakkaishi*, 64(1), 48-55.

[Lesage, V., Barrette, C., Kingsley, M.C.S., and Sjare, B. 1998. The effect of vessel noise on the vocal behaviour of belugas in the St. Lawrence River Estuary, Canada. *Marine Mammal Science*, 15\(1\), 65-84, doi: 10.1111/j.1748-7692.1999.tb00782.x.](#)

[Li, S., Wu, H., Xu, Y., Peng, C., Fang, L., Lin, M., Xing, L., and Zhang, P. 2015. Mid- to high-frequency noise from high-speed boats and its potential impacts on humpback dolphins. *The Journal of the Acoustical Society of America*, 138, 942-952, doi: 10.1121/1.4927416.](#)

Ljungblad, D.K., Wursig, B., Swartz, S.L., and Keene, J.M. 1988. Observations on the behavioural responses of bowhead whales (*Balaena mysticetus*) to active geophysical vessels in the Alaskan 0.599 n(a)4(r)2M., 6(W)4E(M)4 and B.F.(n)6Jn 12.436)33,765-64(m)-2ce,(t)

General

Alter, S.E., Simmonds, M.P., and Brandon, J.R. 2010. Forecasting the consequences of climate-driven shifts in human behaviour on cetaceans. *Marine Policy*, 34(5), 943-954, doi: 10.1016/j.marpol.2010.01.026.

Andre, M. 2009. The sperm whale sonar: Monitoring and use in mitigation of anthropogenic noise effects in the marine environment. *Nuclear Instruments & Methods in Physics Research Section a-Accelerators Spectrometers Detectors and Associated Equipment*, 602(1), 262-267, doi:10.1016/j.nima.2008.12.223.

[Azzellino, A., Lanfredi, C., D'Amico, A., Pavan,](#)

- Dungan, S., Riehl, K., Wee, A., and Wang, J. 2011. A review of the impacts of anthropogenic activities on the critically endangered eastern Taiwan Strait Indo-Pacific humpback dolphins (*Sousa chinensis*). *Journal of Marine Animals and their Ecology*, 4(2), 3-9.
- [Dunlop, R.A., Cato, D.H., and Noad, M.J. 2010. Your attention please: increasing ambient noise levels elicits a change in communication behaviour in humpback whales \(*Megaptera novaeangliae*\). *Proceedings of the Royal Society B-Biological Sciences*, 277\(1693\), 2521-2529, doi: 10.1098/rspb.2009.2319.](#)
- [Dunlop, R.A., Cato, D.H., and Noad, M.J. 2014. Evidence of a Lombard response in migrating humpback whales \(*Megaptera novaeangliae*\). *The Journal of the Acoustical Society of America*, 136\(1\), 430-437, doi: 10.1121/1.4883598.](#)
- Ellison, W., Southall, B., Clark, C., and Frankel, A. 2012. A new context-based approach to assess marine mammal behavioral responses to anthropogenic sounds. *Conservation Biology*, 26(1), 21-28.
- Erbe, C. 2013. Underwater passive acoustic monitoring & noise impacts on marine fauna--a workshop report. *Acoustics Australia*, 41(1), 113-119.
- [Erbe, C., and Farmer, D.M. 2000. A software model to estimate zones of impact on marine mammals around anthropogenic noise. *Journal of the Acoustical Society of America*, 108\(3\), 1327-1331, doi: 10.1121/1.1288938.](#)
- [Farcas, A., Thompson, P.M., and Merchant, N.D. 2016. Underwater noise modelling for environmental impact assessment. *Environmental Impact Assessment Review*, 57, 114-122, doi: 10.1016/j.eiar.2015.11.012.](#)
- [Fay, R. 2009. Soundscapes and the sense of hearing of fishes. *Integrative Zoology*, 4\(1\), 26-32, doi: 10.1111/j.1749-4877.2008.00132.x.](#)
- Forney, K.A., Southall, B.L., Sloaten, E., A., aean E., (e3.1(m500.5/CS0 cs 0 scn1.12880.6 re f EMC /C

- Hotchkin, C., and Parks, S. 2013. The Lombard effect and other noise-induced vocal modifications: insight from mammalian communication systems. *Biological Reviews*, 88(4), 809-824.
- Kastak, D., Holt, M.M., Mulsow, J., Kastak, C.J.R., Schusterman, R.J., and Southall, B.L. 2006. Towards a predictive model of noise-induced temporary threshold shift for an amphibious marine mammal, the California sea lion (*Zalophus californianus*). *The Journal of the Acoustical Society of America*, 120(5), 3226.
- Kastak, D., Mulsow, J., Ghaul, A., and Reichmuth, C. 2008. Noise-induced permanent threshold shift in a harbour seal. *The Journal of the Acoustical Society of America*, 123(5), 2986.
- [Kastak, D., and Schusterman, R.J. 1996. Temporary threshold shift in a harbour seal \(*Phoca vitulina*\). *The Journal of the Acoustical Society of America*, 100\(3\), 1905-1908.](#)
- [Kastak, D., Schusterman, R.J., Southall, B.L., and Reichmuth, C.J. 1999. Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. *Journal of the Acoustical Society of America*, 106\(2\), 1142-1148.](#)
- Kastak, D., Southall, B., Holt, M., Kastak, C.R., and Schusterman, R. 2004. Noise-induced temporary threshold shifts in pinnipeds: Effects of noise energy. *The Journal of the Acoustical Society of America*, 116(4), 2531-2532.
- Kastak, D., Southall, B.L., Schusterman, R.J., and Kastak, C.R. 2005. Underwater temporary threshold shift in pinnipeds: Effects of noise level and duration. *Journal of the Acoustical Society of America*, 118(5), 3154-3163, doi: 10.1021/1.2047128.
- [Kastelein, R., Gransier, R., Hoek, L., Macleod, A., and Terhune, J. 2012](#)

Ketten, D.R., O'Malley, J., Moore, P.W.B., Ridgway, S., and Merigo, C. 2001. Aging, injury, disease, and noise in marine mammal ears. *Journal of the Acoustical Society of America*, 110(5), 2721-2721.

[Lugli, M., Yan, H.Y., and Fine, M.L. 2003](#)

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, 59(1), 71-80.

Nabe-Nielsen, J., Sibly, R. M., Tougaard, J., Teilmann, J., and Sveegaard, S. 2014. Effects of noise and by-catch on a Danish harbour porpoise population. Ecological Modelling, 272, 242-251.

Nachtigall, P.E., Pawloski, J.L., and Au, W.W.L. 2003. Temporary threshold shifts and recovery following noise exposure in the Atlantic bottlenosed dolphin (*Tursiops truncatus*). Journal of the Acoustical Society of America, 113(6), 3425-3429.

Nachtigall, P. E., Supin, A. Y., Pawloski, J., and Au, W.W.L. 2004. Temporary threshold shifts after noise exposure in the bottlenose dolphin (*Tursiops truncatus*) measured using evoked auditory potentials. Marine Mammal Science 20, 673-687.

Nakahara, F. 1999. Influences of the underwater man-made noise on acoustic behavior of dolphins. Otsuchi Marine Science 24, 18-23.

[Neo, Y., Ufkes, E., Kastelein, R., Winter, H., ten Cate, C., and Slabbekoorn, H. 2015. Impulsive sounds change European seabass swimming patterns: influence of pulse repetition interval. Marine Pollution Bulletin, 97\(1-2\), 111-117, doi: 10.1016/j.marpolbul.2015.06.027.](#)

Nowacek, D.P., Thorne, L.H., Johnston, D.W., and Tyack, P.L. 2007. Responses of cetaceans to anthropogenic noise. Mammal Review, 37(2), 81-115.

Papale, E., Ga4(l)-Td 0 Td(e)42.02 0 Td 15. BT /P <</MCEMC reqK63702 0.388 0.757 scn 12 -01 scn

[Radford, A.N., Kerridge, E., and Simpson, S.D. 2014. Acoustic communication in a noisy world: Can fish compete with anthropogenic noise? Behavioural Ecology, 25\(5\), 1022-1030, doi: 10.1093/beheco/aru029.](#)

Ray, C., and Schevill, W.E. 1967

[Solé, M., Lenoir, M., Durfort, M., López-Bejar, M., Lombarte, A., and André, M. 2013. Ultrastructural Damage of *Loligo vulgaris* and *Illex coindetii* statocysts after Low Frequency Sound Exposure. PLOS ONE, 8\(10\), e78825, doi: 10.1371/journal.pone.0078825.](#)

Southall, B.L., Bowles, A.E., Ellison, W.T., Finneran, J.J., Gentry, R.L., Greene, C.R.J., Kastak, D., Ketten, D.R., Miller, J.H., Nachtigall, P.E., Richardson, W.J., Thomas, J.A., and Tyack, P.L. 2007. Marine Mammal Noise Exposure Criteria: Initial Scientific Recommendations. *Aquatic Mammals*, 33(4), 411-521.

[Southall, B.L., Schusterman, R.J., Kastak, D., and Kastak, C.R. 2005. Reliability of underwater hearing thresholds in pinnipeds. *Acoustics Research Letters Online-Arlo*, 6\(4\), 243-249, doi: 10.1121/1.1985956.](#)

Southall, B.L., Schusterman, R.J., Kastak, D., Kastak, C.R., and Holt, M.M. 2001

- Williams, R., Clark, C.W., Ponirakis, D., and Ashe, E. 2014. Acoustic quality of critical habitats for three threatened whale populations. *Animal Conservation*, 17(2), 174-185.
- [Williams, R., Erbe, C., Ashe, E., and Clark, C.W. 2015. Quiet\(er\) marine protected areas. *Marine Pollution Bulletin*, 100\(1\), 154-161, doi: 10.1016/j.marpolbul.2015.09.012.](#)
- [Wright, A.J. 2015. Sound science: maintaining numerical and statistical standards in the pursuit of noise exposure criteria for marine mammals. *Frontiers in Marine Science*, 24 November 2015 doi: 10.3389/fmars.2015.00099.](#)
- [Wright, A.J., Deak, T., and Parsons, E.C.M. 2011. Size matters: Management of stress responses and chronic stress in beaked whales and other marine mammals may require larger exclusion zones. *Marine Pollution Bulletin*, 63\(1-4\), 5-9, doi: 10.1016/j.marpolbul.2009.11.024.](#)

- [Branstetter, B.K., Trickey, J.S., Aihara, H., Finneran, J.J., and Liberman, T.R. 2013. Time and frequency masking in bottlenose dolphins \(*Tursiops truncatus*\). Journal of the Acoustical Society of America, 134\(6\), 4556-4565, doi: 10.1121/1.4824680.](#)
- [Branstetter, B.K., Trickey, J.S., Bakhtiari, K., Black, A., Aihara, H., and Finneran, J.J. 2013. Auditory masking patterns in bottlenose dolphins \(*Tursiops truncatus*\) with natural, anthropogenic, and synthesized noise. Journal of the Acoustical Society of America, 133\(3\), 1811-1818, doi: 10.1121/1.4789939.](#)
- [Clark, C.W., Ellison, W.T., Southall, B.L., Hatch, L., Van Parijs, S.M., Frankel, A., and Ponirakis, D. 2009. Acoustic masking in marine ecosystems: intuitions, analysis, and implication. Marine Ecology Progress Series, 395, 201-222, doi: 10.3354/Meps08402.](#)
- [Erbe, C. 2008. Critical ratios of beluga whales \(*Delphinapterus leucas*\) and masked signal duration. The Journal of the Acoustical Society of America, 124\(4\), 2216-2223, doi: 10.1121/1.2970094](#)
- [Erbe, C. \(2015\). The maskogram: A tool to illustrate zones of masking. Aquatic Mammals, 41\(4\), 434-443, doi: 10.1578/AM.41.4.2015.434.](#)
- [Erbe, C., King, A., Yedlin, M., and Farmer, D. \(1999\). Computer models for masked hearing experiments with beluga whales \(*Delphinapterus leucas*\). Journal of the Acoustical Society of America, 105\(5\), 2967-2978, doi: 10.1121/1.426945.](#)
- [Erbe, C., Reichmuth, C., Cunningham, K.C., Lucke, K., and Dooling, R.J. 2016. Communication masking in marine mammals: A review and research strategy. Marine Pollution Bulletin, 103, 15-38, doi: 10.1016/j.marpolbul.2015.12.007.](#)
- [Fay, R.R. 2011. Signal-to-noise ratio for source determination and for a comodulated masker in goldfish, *Carassius auratus*. Journal of the Acoustical Society of America, 129\(5\), 3367-3372.](#)
- [Holt, M.M., and Schusterman, R.J. 2007. Spatial release from masking of aerial tones in pinnipeds. The Journal of the Acoustical Society of America, 121\(2\), 1219-1225, doi: 10.1121/1.2404929.](#)
- [Kastelein, R.A., and Wensveen, P.J. 2008. Effect of two levels of masking noise on the hearing threshold of a harbour porpoise \(*Phocoena phocoena*\) for a 4.0 kHz signal. Aquatic Mammals, 34\(4\), 420-425.](#)
- [Southall, B.L., Schusterman, R.J., and Kastak, D. 2000. Masking in three pinnipeds: Underwater, low-frequency critical ratios. Journal of the Acoustical Society of America, 108\(3\), 1322-1326, doi: 10.1121/1.1288409.](#)
- [Southall, B.L., Schusterman, R.J., and Kastak, D. 2003. Auditory masking in three pinnipeds: Aerial critical ratios and direct critical bandwidth measurements. Journal of the Acoustical Society of America, 114\(3\), 1660-1666, doi: 10.1121/1.1587733.](#)
- Physiological and behavioral human noise effects on marine organisms**
- [Amoser, S., and Ladich, F. 2003. Diversity in noise-induced temporary hearing loss in otophysine fishes. The Journal of the Acoustical Society of America, 113\(4\), 2170-2179, doi: 10.1121/1.1557212.](#)
- [An Wei, C., Lin, T.H., Chen, R.D., Tseng, Y.-C., and Shao, Y.T. 2017. The effects of continuously acoustical stress on cortisol in milkfish \(*Chanos chanos*\). General and Comparative Endocrinology, doi: <https://doi.org/10.1016/j.ygcen.2017.07.018>.](#)

Banner, A., and Hyatt, M. 1973. Effects of noise on eggs and larvae of two estuarine fishes. Transactions of the American Fisheries Society, 102(1), 134-136.

[Belanger, A.J., Boeica, I., and Higgs, D.M. 2010. The effect of stimulus type and background noise on hearing abilities of the round goby *Neogobius melanostomus*. Journal of Fish Biology, 77\(7\), 1488-1504, doi: 10.1111/j.1095-8649.2010.02773.x.](#)

Buscaino, G., Filiciotto, F., Buffa, G., Bellante, A., Di Stefano, V., Assenza, A., Fazio, F., Caola, G., and Mazzola, S. 2010. Impact of an acoustic stimulus on the motility and blood parameters of European sea bass (*Dicentrarchus labrax* L.) and gilthead sea bream (*Sparus aurata* L.). Marine Environmental Research, 69(3), 136-142.

[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. Animal Conservation, 4\(1\), 13-27, doi: 10.1017/s1367943001001020.](#)

Finneran, J.J. 2015. Noise-induced hearing loss in marine mammals: A review of temporary noise-induced hearing loss. [Noise & Vibration Control, 44\(1\), 1-14, doi: 10.1007/s11335-014-9444-4.](#)