

List of peer-reviewed scientific studies on the
impacts of ocean noise on marine living resources
submitted by the United States, pursuant to paragraph 107 of
General Assembly resolution 61/222 of 20 December 2006

Key Articles

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

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Cranford, T.W., M. McKenna, M. Soldevilla, S.M. Wiggins, J. Goldbogen, R. Shadwick, P. Krysl, J. St. Leger, and J. A. Hildebrand. (in press). Anatomic geometry of sound transmission and reception in Cuvier's beaked whale (*Ziphius cavirostris*). *The Anatomical Record*.

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Houser, D.S., R. Howard, and S. Ridgway. 2001. Can diving-induced tissue nitrogen supersaturation increase the chance of acoustically driven bubble growth in marine mammals. *J. Theor. Biol.* 213: 183-195.

Kastak, D., B.L. Southall, R.J. Schusterman, and C.R. Kastak. 2005. Underwater Temporary Threshold Shift in Pinnipeds: Effects of Noise Level and Duration. *Journal of Acoustical Society of America* 118: 3154–3163.

Madsen, P.T., M. Johnson, P.J.O. Miller, N. A. Soto, J. Lynch, and P. Tyack. 2006. Quantitative measures of air-gun pulses recorded on sperm whales (*Physeter macrocephalus*) using acoustic tags during controlled exposure experiments. *Journal of the Acoustical Society of America* 120(4): 2366–2379.

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Nowacek, D.P., H.T. Lesley, D.W. Johnston, and P.L. Tyack. 2007. Responses of cetaceans to anthropogenic noise. *Mammal Review* 37: 81-115.

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Additional Articles

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Costa, D.P., D.E. Crocker, J. Gedamke, P.M. Webb, D.S. Houser, S.B. Blackwell, D. Waples, S.A. Hayes, B.J. Le Boeuf. 2003. The effect of a low-frequency sound source (acoustic thermometry of the ocean climate) on the diving behavior of juvenile northern fur seals (*Mirounga angustirostris*). *Journal of the Acoustical Society of America*, 113(2): 1155-1165.

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Erbe, C. and D.M. Farmer. 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.

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- Finneran, J. J., C.E. Schlundt, B. Branstetter, and R. L. Dear. 2007. Assessing temporary threshold shift in a bottlenose dolphin (*Tursiops truncatus*) using multiple simultaneous auditory evoked potentials. *Journal of the Acoustical Society of America* 122: 1249-1264.
- Finneran, J. J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway. 2000. Auditory and behavioral responses of bottlenose dolphins (*Tursiops truncatus*) and a beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions. *Journal of the Acoustical Society of America* 108: 417-431.
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- Houser, D.S., D.E. Crocker, C. Kastak, J. Mulsow, and J.J. Finneran. 2007. Auditory evoked potentials in northern elephant seals (*Mirounga angustirostris*). *Aquat. Mammals* 33: 110-121.
- Houser, D.S. and J.J. Finneran. 2006. A comparison of underwater hearing sensitivity in bottlenose dolphins (*Tursiops truncatus*) determined by electrophysiological and behavioral methods. *Journal of the Acoustical Society of America* 120: 1713-1722.
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Schlundt, C.E., R.L. Dear, L. Green, D.S. Houser, and J.J. Finneran. 2007. Simultaneously measured behavioral and electrophysiological hearing thresholds in a bottlenose dolphin (*Tursiops truncatus*). *Journal of the Acoustical Society of America* 122: 615-622.

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Journal Issues

- Marine Technology Society Journal, volume 37(4) from 2003/2004
- IEEE Journal of Ocean Engineering, volume 31 from 2006