

Peer-Reviewed Publications For Kristin Laidre March 4, 2009.

40. Heide-Jørgensen M. P., **K. L. Laidre**, M.J. Simon, D. Borchers, and H. Stern. In Press. The effect of sea ice loss on beluga whales (*Delphinapterus leucas*) in West Greenland. [Polar Research](#)
39. **Laidre, K. L.**, M. P Heide-Jørgensen, J. Nyland, A. Mosbech, and D. Boertmann. 2008. Latitudinal gradients in sea ice and primary production determine Arctic seabird colony size in Greenland. [Proceedings of the Royal Society B](#). 275: 2695–2702, doi:10.1098/rspb.2008.0874
38. Stafford, K., S. E. Moore, **K. L. Laidre**, and M. P. Heide-Jørgensen. 2008. Bowhead whale springtime song offshore West Greenland. [J of Acoustical Society of America](#) 124(5): 3315-3323.
37. Heide-Jørgensen, M. P., D. L. Borchers, L. Witting, M. J. Simon, **K. L. Laidre**, A. Rosing-Asvid, and D. Pike. In Press. Final estimates of large whale abundance in West Greenland waters from an aerial survey in 2005. [Journal of Cetacean Research and Management](#)
36. Dietz, R., M. P. Heide-Jørgensen, P. Richard, J. Orr, **K. L. Laidre**, and H. C. Schmidt. 2008. Movements of narwhals (*Monodon monoceros*) from Admiralty Inlet monitored by satellite telemetry. [Polar Biology](#). DOI 10.1007/s00300-008-0466-4
35. Heide-Jørgensen, M. P., R. Dietz, **K. L. Laidre**, P. Nicklen, E. Garde, P. Richard, J. Orr. 2008. Resighting of a narwhal (*Monodon monoceros*) instrumented with a satellite transmitter. [Arctic](#) 61(4). In Press.
34. **Laidre, K. L.**, M. P. Heide-Jørgensen. 2007. Using narwhals as oceanographic sampling platforms in the high Arctic. [Oceanography](#) 20(4): 30-35.
33. **Laidre, K.L.**, I. Stirling, L. Lowry, Ø. Wiig, M. P. Heide-Jørgensen, and S. Ferguson. 2008. Quantifying the sensitivity of arctic marine mammals to climate-induced habitat change. [Ecological Applications](#) 18(2): S97-S125.
32. Heide-Jørgensen, M.P., **K. L. Laidre**, D. Borchers, F. Samara, and H. Stern. 2007. Increasing abundance of bowhead whales in West Greenland. [Biology Letters](#) 3: 577-580.
31. **Laidre, K. L.**, M. P. Heide-Jørgensen, and T. G. Nielsen. 2007. The role of the bowhead whale as a predator in West Greenland. [Marine Ecology Progress Series](#) 346: 285-297.
30. Heide-Jørgensen, M. P., and **K. L. Laidre**. 2007. Autumn-space use patterns of humpback whales (*Megaptera novaeangliae*) in West Greenland. [Journal of Cetacean Research and Management](#) 9(2):121-126.
29. Heide-Jørgensen, M. P., **K. L. Laidre**, M. L. Logsdon, and T. G. Nielsen. 2007. Springtime coupling between phytoplankton, sea ice and sea temperature in Disko Bay, West Greenland. [Progress in Oceanography](#) 73:79-95.
28. Heide-Jørgensen, M. P., M. Juul Simon, and **K. L. Laidre**. 2007. Estimates of large whale abundance in Greenland in September 2005. [Journal of Cetacean Research and Management](#) 9(2): 95-104.
27. Heide-Jørgensen, M. P, H. Stern, and **K. L. Laidre**. 2007. Dynamics of the sea ice edge in Davis Strait. [Journal of Marine Systems](#) 67:170-178.

26. **Laidre, K. L.**, M. P. Heide-Jørgensen, and J. Orr. 2006. Reactions of narwhals, *Monodon monoceros*, to killer whale, *Orcinus orca*, attacks in the eastern Canadian High Arctic. Canadian Field-Naturalist 120: 457-465.
25. **Laidre K. L.**, J. A. Estes, M. T. Tinker, J. Bodkin, D. Monson, K. Schneider. 2006. Patterns of growth and body condition in sea otters from the Aleutian archipelago before and after the recent population decline. Journal of Animal Ecology 75:978-989.
24. **Laidre K. L.** and R. J. Jameson. 2006. Foraging patterns and prey selection in an increasing and expanding sea otter population. Journal of Mammalogy 87(4): 799-807.
23. Moore, S. E. and **K. L. Laidre**. 2006. Analysis of sea ice trends scaled to habitats used by bowhead whales in the western Arctic. Ecological Applications 16(3): 932-944
22. Koski, W. R., M. P. Heide-Jørgensen, **K. L. Laidre**. 2006. Winter abundance of bowhead whales, *Balaena mysticetus*, in Hudson Strait in March 1981. Journal of Cetacean Research and Management 8(2): 139-144.
21. Heide-Jørgensen, M. P., **K. L. Laidre**, M.V. Jensen, L. Dueck and L. D. Postma. 2006. Dissolving stock discreteness with satellite tracking: Bowhead whales in Baffin Bay. Marine Mammal Science: 22(1):34-45.
20. Hobbs, R.C., **K. L. Laidre**, D. J. Vos, and B. A. Mahoney. 2005. Movements and area use of belugas, *Delphinapterus leucas*, in a subarctic Alaskan estuary. Arctic 58(4): 331-340.
19. Simpkins, M. A., **K. L. Laidre**, and P. J. Heagerty. 2005. Multivariate regression of satellite-linked dive recorder data: Simultaneous analysis of all bins. Marine Mammal Science 21(2):243-259.
18. **Laidre K. L.**, and M. P. Heide-Jørgensen. 2005. Winter feeding intensity of narwhals. Marine Mammal Science 21(1): 45-57.
17. **Laidre K. L.** and M. P. Heide-Jørgensen. 2005. Arctic sea ice trends and narwhal vulnerability. Biological Conservation 121:509-517.
16. **Laidre K. L.**, M. P. Heide-Jørgensen, M. L. Logdson, R. C. Hobbs, P. Heagerty, R. Dietz, O. A. Jørgensen, and M. A. Treble. 2004. Seasonal narwhal habitat associations in the high Arctic. Marine Biology 145:821-831.
15. Heide-Jørgensen M. P. and **K. L. Laidre**. 2004. Declining open water refugia for top predators in Baffin Bay and adjacent waters. Ambio 33(8): 488-495.
14. **Laidre K. L.**, M. P. Heide-Jørgensen, O. A. Jørgensen, and M. A. Treble. 2004. Deep ocean predation by a high Arctic cetacean. ICES Journal of Marine Science 61(3): 430-440.
13. **Laidre K. L.**, M. P. Heide-Jørgensen, M. L. Lodgson, R. C. Hobbs, R. Dietz, and G. R. VanBlaricom. 2004. Fractal analysis of narwhal space use patterns. Zoology 107(1): 3-11.
12. **Laidre K. L.**, M. P. Heide-Jørgensen, R. Dietz, R. C. Hobbs, and O. A. Jørgensen. 2003. Deep-diving by narwhals, *Monodon monoceros*: differences in foraging behavior between wintering areas? Marine Ecology Progress Series 261:269-281.
11. Heide-Jørgensen M. P., R Dietz, **K. L. Laidre**, P. Richard, J Orr, H. C. Schmidt. 2003. The migratory habits of narwhals. Canadian Journal of Zoology 81: 1298-1305.
10. Heide-Jørgensen M. P., P. Richard, R Dietz, **K. L. Laidre**, J Orr, and H. C. Schmidt. 2003. An

estimate of the fraction of belugas (*Delphinapterus leucas*) in the Canadian High Arctic that winter in West Greenland. Polar Biology 26: 318-326.

9. Heide-Jørgensen M. P., **K. L. Laidre**, O. Wiig, M. V. Jensen, L. Dueck, L. Maiers, H. C. Schmidt, and R. C. Hobbs. 2003. From Greenland to Canada in two weeks: Movements of bowhead whales, *Balaena mysticetus*, in Baffin Bay. Arctic 56(1): 21-31.

8. **Laidre K. L.**, R. J. Jameson, S. J. Jeffries, R. C. Hobbs, C. E. Bowlby, and G. R. VanBlaricom. 2002. Developing carrying capacity estimates for sea otters (*Enhydra lutris kenyoni*) in Washington State. Wildlife Society Bulletin 30(4): 1172-1181

7. Innes S., M. P. Heide-Jørgensen, J. L. Laake, **K. L. Laidre**, H.J. Cleator, P. R. Richard and R. E. A. Stewart. 2002. Surveys of belugas and narwhals in the Canadian high Arctic in 1996. NAMMCO Scientific Publications 4: 147-190.

6. **Laidre K. L.**, M. P. Heide-Jørgensen, and R. Dietz. 2002. Diving behavior of narwhals (*Monodon monoceros*) at two coastal localities in the Canadian High Arctic. Canadian Journal of Zoology 80: 624-635.

5. Heide-Jørgensen M. P., R. Dietz, **K. L. Laidre**, P. Richard. 2002. Autumn movements, home range and winter density of narwhals (*Monodon monoceros*) from Tremblay Sound, Baffin Island. Polar Biology 25: 331-341.

4. **Laidre K. L.**, R. J. Jameson, and D. P. DeMaster. 2001. An estimation of carrying capacity for the sea otter along the California coast. Marine Mammal Science 17(2): 294-309.

3. Heide-Jørgensen M. P., L. Kleivane, N. Øien, **K. L. Laidre** and M. V. Jensen. 2001. A new technique for satellite tagging baleen whales: Tracking a blue whale (*Balaenoptera musculus*) in the North Atlantic. Marine Mammal Science 17(4): 949-954.

2. Heide-Jørgensen M. P., E. Nordøy, N. Øien, L. P. Folkow, L. Kleivane, A. S. Blix, M. V. Jensen, and **K. L. Laidre**. 2001. Satellite tracking of minke whales (*Balaenoptera aucostrata*) off the North Norwegian coast. Journal of Cetacean Research and Management 3(2): 175-178.

1. **Laidre K. L.**, K.E.W. Shelden, D.J. Rugh, and B. A. Mahoney. 2000. Distribution of beluga whales and survey effort in the Gulf of Alaska. Marine Fisheries Review 62(3): 27-36.

Dissertation

Laidre, K. L. Space-use patterns of narwhals (*Monodon monoceros*) in the high Arctic. University of Washington, Seattle, Ph.D. dissertation. 166 pgs.

Books

M. P. Heide-Jørgensen and **K. L. Laidre**. 2006. "Greenland's Winter Whales: the beluga, the narwhal and the bowhead whale". Published in Danish as "Grønlands Vinterhvaler: Hvidhvalen, narhvalen og grønlandshvalen" and in Greenlandic as "Kalaallit Nunaanni ukiumi arferit: Qilalugaq qaqortaq, qilalugaq qernertaq arfivillu". Ilinnisiorfik Undervisningsmiddelforlag, Nuuk, Greenland. 128 pages. ISBN-13: 978-87-7975-299-3.

Other

K.L. Laidre. 2007. Background Document for Development of a Circumpolar Beluga (*Delphinapterus leucas*) Monitoring Plan. Report to the Marine Mammal Commission, Bethesda, MD. Unpublished report. Available from the US Marine Mammal Commission.

Presentations for Scientific Societies and Symposia

Alaska Marine Life Symposium, January 19-22, 2009

Laidre, K. L., M. P. Heide-Jørgensen. Spoken presentation titled: Bowhead whale foraging ecology in West Greenland

Sixteenth Biennial Conference on the Biology of Marine Mammals, San Diego, California, December 11-16, 2005

Laidre, K. L., M. P. Heide-Jørgensen. Spoken presentation titled: Linking spring productivity to bowhead whales in a coastal Arctic ecosystem

Gordon Polar Marine Science Conference: Climate Feedbacks and Trophic Shifts in Polar Seas, Ventura, California, March 14-19, 2005

Laidre, K. L., M. P. Heide-Jørgensen. Spoken presentation titled: Narwhals and the pack ice habitat.

Fifteenth Biennial Conference on the Biology of Marine Mammals, Greensboro, North Carolina, December 15-19, 2003

Laidre, K. L., M. P. Heide-Jørgensen, R. Dietz, and R. Hobbs. Spoken presentation titled: Winter predation and resource selection by narwhals

Laidre, K. L. Spoken presentation titled: Combining satellite telemetry data and spatial models: Narwhal resource selection in the high Arctic. Presented at the conference workshop on "Spatial modeling and GIS".

M. P. Heide-Jørgensen and **K. L. Laidre**. Spoken presentation titled: Tagging and tracking of bowhead whales (*Balaena mysticetus*) in West Greenland

Open Science Meeting of the Study of Environmental Arctic Change (SEARCH), National Science Foundation. Seattle, Washington, October 27-30, 2003

Laidre K. L. Poster presentation titled: Narwhal pack ice habitat: Increasing threats?

International symposium on Bio-logging Science, Tokyo, Japan, March 16-22, 2003

Laidre, K. L. Spoken presentation titled: Deep ocean predation by narwhals revealed by satellite telemetry

Fourteenth Biennial Conference on the Biology of Marine Mammals, Vancouver, B. C., Canada, November 28-December 3, 2001

Laidre K. L., M. P. Heide-Jørgensen, R. Dietz. Poster presentation titled: Diving behaviour of narwhals (*Monodon monoceros*) at two coastal localities in the Canadian Arctic

Dietz R., J. Teilmann, O.D. Henriksen and **K. L. Laidre**. Poster presentation titled: Satellite tracking as a tool to study potential effects of offshore wind farm on seals at Rødsand

Rugh D. J., **K. L. Laidre**, K. E. W. Sheldon, and B. A. Mahoney. Poster presentation titled: A shrinking distribution of a declining beluga population.

Washington Cooperative Fish and Wildlife Research Unit Annual Cooperators meeting, Washington State University, Pullman, Washington, October 2001

Laidre K. L. Spoken presentation titled: Narwhal habitat selection patterns in the Canadian High Arctic: A spatial analysis

Puget Sound Research Conference, Bellevue, Washington, February 2001

Laidre K. L., R. J. Jameson, S. J. Jeffries, and C. E. Bowlby. Poster presentation titled: Developing Carrying Capacity Estimates for the Washington State sea otter population

National Science Foundation Arctic Geographic Information Systems Conference, Seattle, Washington, January 22-24, 2001

Laidre K. L., M. P. Heide-Jørgensen, R. Dietz, P. Richard, and R Hobbs. Poster presentation titled: Narwhals in the ice: Migration tracking in GIS

Thirteenth Biennial Conference on the Biology of Marine Mammals, Wailea, Hawaii, November 28-December 3, 1999

Laidre, K. L., K.E.W. Sheldon, D.J. Rugh, and B.A. Mahoney. Poster presentation titled: Distribution of beluga whales and survey effort in the Gulf of Alaska

Laidre. K. L., D. P. DeMaster and R. J. Jameson. Poster presentation at the Conference Workshop on 'Using Geographic Information Systems and Remote Sensing in Marine Mammal Science' titled: An estimation of carrying capacity for the sea otter along the California coast