

References Cited

- AMAP (Arctic Monitoring and Assessment Program). 2007. Arctic oil and gas 2007. Arctic Monitoring and Assessment Programme, Oslo, Norway. 70 p. Accessed at <http://www.amap.no/oga/>.
- Atkinson, S. 1997. Reproductive biology of seals. *Reviews of Reproduction* 2:175–194.
- Boveng, P. L., J. L. Bengston, T. W. Buckley, M. F. Cameron, S. P. Dahle, B. A. Megrey, J. E. Overland, and N. J. Williamson. 2008. Status review of the ribbon seal (*Histriophoca fasciata*). U.S. Department of Commerce, NOAA Technical Memorandum NMFS-AFSC-191. 115 p.
- Burns, J. J. 1981. Bearded seal *Erignathus barbatus* Erxleben, 1777. Pages 145–170 in S. H. Ridgway and R. J. Harrison, editors. *Handbook of Marine Mammals Volume 2: Seals*. Academic Press New York.
- Burns, J. J., and K. J. Frost. 1979. The natural history and ecology of the bearded seal, *Erignathus barbatus*. Alaska Department of Fish and Game. 77 p.
- Cameron, M. F., J. L. Bengston, P. L. Boveng, J. K. Jansen, B. P. Kelly, S. P. Dahle, E. A. Logerwell, J. E. Overland, C. L. Sabine, G. T. Waring, and J. M. Wilder. 2010. Status review of the bearded seal (*Erignathus barbatus*). U.S. Department of Commerce, NOAA Technical Memorandum NMFS-AFSC-211. 246 p.
- Cameron, M., and P. Boveng. 2009. Habitat use and seasonal movements of adult and sub-adult bearded seals. Alaska Fisheries Science Center Quarterly Report, October-November-December 2009:1–4.
- Davis, C. S., I. Stirling, C. Strobeck, and D. W. Coltman. 2008. Population structure of ice-breeding seals. *Molecular Biology* 17:3078–3094.
- Douglas, D. C. 2010. Arctic sea ice decline: projected changes in timing and extent of sea ice in the Bering and Chukchi Seas. U.S. Department of the Interior, U.S. Geological Survey, Open-File Report 2010-1176, Reston, Virginia. 32 p.
- Fedoseev, G. A. 1984. Population structure, current status, and perspective for utilization of the ice-inhabiting forms of pinnipeds in the northern part of the Pacific Ocean. Pages 130–146 in A. V. Yablokov, editor. *Marine Mammals*. Nauka, Moscow, Russia. (Translated from Russian by F. H. Fay and B. A. Fay, 17 p.).
- Fedoseev, G. A. 2000. Population biology of ice-associated forms of seals and their role in the northern Pacific ecosystems. Center for Russian Environmental Policy, Russian Marine Mammal Council, Moscow, Russia. 271 p. (Translated from Russian by I. E. Sidorova, 271 p.).
- Gjertz, I., K. M. Kovacs, C. Lydersen, and Ø. Wiig. 2000. Movements and diving of bearded seal (*Erignathus barbatus*) mothers and pups during lactation and post-weaning. *Polar Biology* 23:559–566.
- Guisan, A. and N. E. Zimmermann. 2000. Predictive habitat distribution models in ecology. *Ecological Modelling* 135:147-186.

- Harding, K. C., M. Fujiwara, Y. Axberg, and T. Härkönen. 2005. Mass-dependent energetics and survival in harbour seal pups. *Functional Ecology* 19:129–135.
- Hawkins, E., and R. Sutton. 2009. The potential to narrow uncertainty in regional climate predictions. *Bulletin of the American Meteorological Society* 90:1095–1107.
- Heptner, L. V. G., K. K. Chapskii, V. A. Arsen'ev, and V. T. Sokolov. 1976. Bearded seal. *Erignathus barbatus* (Erxleben, 1777). Pages 166–217 in L. V. G. Heptner, N. P. Naumov, and J. Mead, editors. *Mammals of the Soviet Union. Volume II, Part 3—Pinnipeds and Toothed Whales, Pinnipedia and Odontoceti*. Vysshaya Shkola Publishers, Moscow, Russia. (Translated from Russian by P. M. Rao, 1996, Science Publishers, Inc., Lebanon, NH).
- Holland, M. M., C.M. Bitz, E. C. Hunke, W. H. Lipscomb, and J. L. Schramm. 2006: Influence of the sea ice thickness distribution on polar climate in CCSM3. *Journal of Climate* 19:2398–2414.
- Holsvik, R. 1998. Maternal behaviour and early behavioural ontogeny of bearded seals (*Erignathus barbatus*) from Svalbard, Norway. Masters Thesis. Norwegian University of Science and Technology, Trondheim, Norway. 36 p.
- IPCC (Intergovernmental Panel on Climate Change). 2000. Summary for policymakers. Pages 1–20 in *Emissions Scenarios. A Special Report of the Intergovernmental Panel on Climate Change Working Group III*. IPCC, Geneva, Switzerland.
- IPCC. 2007. *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*. IPCC, Geneva, Switzerland. 104 p.
- Jansen, J. K., P. L. Boveng, S. P. Dahle, and J. L. Bengtson. 2010. Reaction of harbor seals to cruise ships. *Journal of Wildlife Management* 74:1186–1194.
- Kingsley, M. C. S., I. Stirling, and W. Calvert. 1985. The distribution and abundance of seals in the Canadian high Arctic, 1980–82. *Canadian Journal of Fisheries and Aquatic Sciences* 42:1189–1210.
- Kosygin, G. M. 1971. Feeding of the bearded seal *Erignathus barbatus nauticus* (Pallas) in the Bering Sea during the spring-summer period. *Izvestiya TINRO* 75:144–151. (Translated from Russian by Fisheries and Marine Service, Quebec, Canada, Translation Series No. 3747, 14 p.).
- Kovacs, K. M. 2002. Bearded seal *Erignathus barbatus*. Pages 84–87 in W. F. Perrin, B. Würsig, and J. G. M. Thewissen, editors. *Encyclopedia of Marine Mammals*. Academic Press, San Diego, CA.
- Kovacs, K. M., C. Lydersen, and I. Gjertz. 1996. Birth-site characteristics and prenatal molting in bearded seals (*Erignathus barbatus*). *Journal of Mammalogy* 77:1085–1091.
- Krafft, B. A., C. Lydersen, K. M. Kovacs, I. Gjertz, and T. Haug. 2000. Diving behaviour of lactating bearded seals (*Erignathus barbatus*) in the Svalbard area. *Canadian Journal of Zoology* 78:1408–1418.

- Lydersen, C., M. O. Hammill, and K. M. Kovacs. 1994. Diving activity in nursing bearded seal (*Erignathus barbatus*) pups. *Canadian Journal of Zoology* 72:96–103.
- National Snow and Ice Data Center. 2012. Sea ice continues to track at low levels. National Snow and Ice Data Center, Boulder, Colorado. Accessed August 2012 at <http://nsidc.org/arcticseaicenews/2012/07/sea-ice-continues-to-track-at-low-levels/>.
- Nelson, R. R., J. J. Burns, and K. J. Frost. 1984. The bearded seal (*Erignathus barbatus*). Pages 1–6 in J. J. Burns, editor. *Marine Mammal Species Accounts*, Wildlife Technical Bulletin. Alaska Department of Fish and Game, Kotzebue, Alaska.
- NMFS (National Marine Fisheries Service). 2012. Report on special independent peer review of the bearded seal (*Erignathus barbatus*) status review report. National Marine Fisheries Service, Alaska Region, Juneau, Alaska. 19 p.
- North Pacific Fishery Management Council. 2009. Fishery Management Plan for Fish Resources of the Arctic Management Area. North Pacific Fishery Management Council, Anchorage, Alaska. 146 p.
- Overland, J. E., and M. Y. Wang. 2007. Future regional Arctic sea ice declines. *Geophysical Research Letters* 34:L17705.
- Quakenbush, L., J. Citta, and J. Crawford. 2011. Biology of the bearded seal (*Erignathus barbatus*) in Alaska, 1961-2009. Final report to the National Marine Fisheries Service. Alaska Department of Fish and Game, Arctic Marine Mammal Program, Fairbanks, Alaska. 71 p.
- Risch, D., C. W. Clark, P. J. Corkeron, A. Elepfandt, K. M. Kovacs, C. Lydersen, I. Stirling, and S. M. Van Parijs. 2007. Vocalizations of male bearded seals, *Erignathus barbatus*: classification and geographical variation. *Animal Behaviour* 73:747–762.
- Simpkins, M. A., L. M. Hiruki-Raring, G. Sheffield, J. M. Grebmeier, and J. L. Bengtson. 2003. Habitat selection by ice-associated pinnipeds near St. Lawrence Island, Alaska in March 2001. *Polar Biology* 26:577–586.
- Stirling, I., M. Kingsley, and W. Calvert. 1982. The distribution and abundance of seals in the eastern Beaufort Sea, 1974-79. Environment Canada, Canadian Wildlife Service, Edmonton, Canada. 25 p.
- Stroeve, J., M. M. Holland, W. Meier, T. Scambos, and M. Serreze. 2007. Arctic sea ice decline: faster than forecast. *Geophysical Research Letters* 34:L09501.
- Taylor, B. L., M. Martinez, T. Gerrodette, J. Barlow, and Y. N. Hrovat. 2007. Lessons from monitoring trends in abundance of marine mammals. *Marine Mammal Science* 23:157-175.
- Ver Hoef, J. M., M. F. Cameron, P. L. Boveng, J. M. London, and E. M. Moreland. *In review*. A hierarchical model for abundance of three ice-associated seal species in the Eastern Bering Sea.
- Wang, M. Y., and J. E. Overland. 2009. A sea ice free summer Arctic within 30 years? *Geophysical Research Letters* 36:1–5.

Watanabe, Y., C. Lydersen, K. Sato, Y. Naito, N. Miyazaki, and K. M. Kovacs. 2009. Diving behavior and swimming style of nursing bearded seal pups. *Marine Ecology Progress Series* 380:287–294.

Zhang, X. D., and J. E. Walsh. 2006. Toward a seasonally ice-covered Arctic Ocean: scenarios from the IPCC AR4 model simulations. *Journal of Climate* 19:1730–1747.