

2001 Publications

**National Marine Mammal Laboratory
Alaska Fisheries Science Center
National Marine Fisheries Service
7600 Sand Point Way NE
Seattle, WA 98115**

ANGLISS, R. P., D. P. DeMASTER, and A. L. LOPEZ. 2001. Alaska marine mammal stock assessments, 2001. U.S. Dep. Commer., NOAA Tech. Memo., NMFS-AFSC-124, 203 p. URL: <http://www.nmfs.noaa.gov/pr/pdfs/sars/ak2001.pdf>

BALLANCE, L. T., R. C. ANDERSON, R. L. PITMAN, K. STAFFORD, A. SHAAN, Z. WAHEED, and R. L. BROWNELL, Jr. 2001. Cetacean sightings around the Republic of the Maldives, April 1998. *J. Cetacean Res. Manage.* 3:213-218.

BOLTNEV, A. I., and A. E. YORK. 2001. Maternal investment in northern fur seals (*Callorhinus ursinus*): Interrelationships among mothers' age, size, parturition date, offspring size and sex relations. *J. Zool.* 254:219-228

BUCKLAND, S. T., D. R. ANDERSON, K. P. BURNHAM, J. L. LAAKE, D. L. BORCHERS, and L. THOMAS. 2001. Introduction to distance sampling. Oxford University Press, Oxford. 432 p.

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. GABRIELE, M. E. DAHLHEIM, S. UCHIDA, G. ELLIS, Y. MIYAMURA, P. LADRÓN 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. Mammal Sci.* 17:769-794.

CARRETTA, J. V., J. BARLOW, K. A. FORNEY, M. M. MUTO, and J. BAKER. 2001. U.S. Pacific marine mammal stock assessments: 2001. U.S. Dep. Commer., NOAA Tech. Memo., NMFS-SWFSC-317, 280 p. URL: <http://www.nmfs.noaa.gov/pr/pdfs/sars/po2001.pdf>

CERCHIO, S., and M. DAHLHEIM. 2001. Variation in feeding vocalizations of humpback whales *Megaptera novaeangliae* from Southeast Alaska. *Bioacoustics* 11(4):277-295.

DeMASTER, D. P., C. W. FOWLER, S. L. PERRY, and M. F. RICHLIN. 2001. Predation and competition: the impact of fisheries on marine-mammal populations over the next one hundred years. *J. Mammal.* 82:641-651.

DeMASTER, D. P., L. F. LOWRY, K. J. FROST, and R. A. BENGTON. 2001. The effect of sea state on estimates of abundance for beluga whales (*Delphinapterus leucas*) in Norton Sound, Alaska. *Fish. Bull.* 99:197-201. URL: <http://fishbull.noaa.gov/991/17.pdf>

FOWLER, C. W., M. KIYOTA, D. R. CORMANY, and K. SUNDSETH. 2001. Population assessment, Pribilof Islands, Alaska, p. 7-14. *In*: B. W. Robson (editor), Fur seal investigations, 1999. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-123. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-123.pdf>

- FROST, K. J., M. A. SIMPKINS, and L. F. LOWRY. 2001. Diving behavior of subadult and adult harbor seals in Prince William Sound, Alaska. *Mar. Mammal Sci.* 17:813-834.
- GABRIELE, C. M., J. M. STRALEY, S. A. MIZROCH, C. SCOTT BAKER, A. S. CRAIG, L. M. HERMAN, D. GLOCKNER-FERRARI, M. J. FERRARI, S. CERCHIO, O. VON ZIEGESAR, J. DARLING, D. McSWEENEY, T. J. QUINN II, and J. K. JACOBSEN. 2001. Estimating the mortality rate of humpback whale calves in the central North Pacific Ocean. *Can. J. Zool.* 79:589-600.
- HEIDE-JØRGENSEN, M. P., N. HAMMEKEN, R. DIETZ, J. ORR, and P. R. RICHARD. 2001. Surfacing times and dive rates for narwhals (*Monodon monoceros*) and belugas (*Delphinapterus leucas*). *Arctic* 54:284-298.
- HEIDE-JØRGENSEN, M. P., L. KLEIVANE, N. ØIEN, K. L. LAIDRE, and M. V. JENSEN. 2001. A new technique for deploying satellite transmitters on baleen whales: Tracking a blue whale (*Balaenoptera musculus*) in the North Atlantic. *Mar. Mammal Sci.* 17:949-954.
- HEIDE-JØRGENSEN, M. P., E. S. NORDØY, N. ØIEN, L. KLEIVANE, A. S. BLIX, M. V. JENSEN, and K. L. LAIDRE. 2001. Satellite tracking of minke whales (*Balaenoptera acutorostrata*) off the coast of northern Norway. *J. Cetacean Res. Manage.* 3:175-178.
- HUBER, H. R., S. J. JEFFRIES, R. F. BROWN, R. L. DeLONG, and G. VanBLARICOM. 2001. Correcting aerial survey counts of harbor seals (*Phoca vitulina richardsi*) in Washington and Oregon. *Mar. Mammal Sci.* 17(2):276-293
- JONES, B. A. and D. P. DeMASTER. 2001. Survivorship of captive southern sea otters. *Mar. Mammal Sci.* 17(2):414-418
- KRAHN, M. M., G. M. YLITALO, D. G. BURROWS, J. CALAMBOKIDIS, S. E. MOORE, M. GOSHO, P. GEARIN, P. D. PLESHA, R. L. BROWNELL, Jr., S. A. BLOKHIN, K. L. TILBURY, T. ROWLES, and J. E. STEIN. 2001. Organochlorine contaminant concentrations and lipid profiles in eastern North Pacific gray whales (*Eschrichtius robustus*). *J. Cetacean Res. Manage.* 3:19-29.
- KURLE, C. M., and G. A. J. WORTHY. 2001. Stable isotope assessment of temporal and geographic differences in feeding ecology of northern fur seals (*Callorhinus ursinus*) and their prey. *Oecologia* 126:254-265.
- LAIDRE, K. L., R. J. JAMESON, and D. P. DeMASTER. 2001. An estimation of carrying capacity for sea otters along the California coast. *Mar. Mammal Sci.* 17(2):294-309.
- LOCKYER, C., M. P. HEIDE-JØRGENSEN, J. JENSEN, C. C. KINZE, and T. BUUS SØRENSEN. 2001. Age, length and reproductive parameters of harbour porpoises *Phocoena phocoena* (L.) from West Greenland. *ICES J. Mar. Sci.* 58:154-162.
- LOWRY, L. F., K. J. FROST, J. M. Ver HOEF, and R. A. DeLONG. 2001. Movements of satellite-tagged subadult and adult harbor seals in Prince William Sound, Alaska. *Mar. Mammal Sci.* 17:835-861.

- LYONS, E. T., S. R. MELIN, R. L. DeLONG, A. J. ORR, F. M. GULLAND, and S. C. TOLLIVER. 2001. Current prevalence of adult *Uncinaria* spp. in northern fur seal (*Callorhinus ursinus*) and California sea lion (*Zalophus californianus*) pups on San Miguel Island, California with notes on the biology of these hookworms. *Vet. Parasitol.* 97:309-318
- MELIN, S. R., and R. L. DeLONG. 2001. The status of the northern fur seal population at San Miguel Island, California following the 1997-1998 El Niño event., p. 25-35. *In*: B. W. Robson (editor), *Fur seal investigations, 1999*. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-123. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-123.pdf>
- MOBLEY, J. R., L. MAZZUCA, A. S. CRAIG, M. W. NEWCOMER, and S. S. SPITZ. 2001. Killer whales (*Orcinus orca*) sighted west of Ni'ihau, Hawai'i. *Pac. Sci.* 55(3):301-303.
- MOORE, S. E., J. URBÁN R., W. L. PERRYMAN, F. GULLAND, H. PEREZ-CORTES M., P. R. WADE, L. ROJAS-BRACHO, and T. ROWLES. 2001. Are gray whales hitting 'K' hard? *Mar. Mammal Sci.* 17(4):954-958
- ORR, A. J., and J. T. HARVEY. 2001. Quantifying errors associated with using fecal samples to determine the diet of the California sea lion (*Zalophus californianus*). *Can. J. Zool.* 79:1080-1087.
- PERRY ROBERTS, S., and D. P. DeMASTER. 2001. Pinniped survival in captivity: annual survival rates of six species. *Mar. Mammal Sci.* 17(2):381-387.
- QUINN, T. J., II, and S. A. MIZROCH. 2001. Comment. [on Reese, C. S., et al. 2001. Estimation of fetal growth and gestation in bowhead whales. *J. Am. Statist. Assoc.* 96(455):915-923.] *J. Am. Statist. Assoc.* 96(455):928-933.
- ROBSON, B. W. (editor). 2001. *Fur seal investigations, 1999*. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-123, 52 p. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-123.pdf>
- ROBSON, B. W. 2001. Introduction, p. 1-6. *In*: B. W. Robson (editor), *Fur seal investigations, 1999*. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-123. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-123.pdf>
- RUGH, D. J., K. E.W. SHELDEN, and A. SCHULMAN-JANIGER. 2001. Timing of the gray whale southbound migration. *J. Cetacean Res. Manage.* 3:31-39.
- SAEKI, K., M. NAKAJIMA, T. R. LOUGHLIN, D. C. CALKINS, N. BABA, M. KIYOTA, and R. TATSUKAWA. 2001. Accumulation of silver in the liver of three species of pinnipeds. *Environ. Pollut.* 112:19-25.
- SEASE, J. L., W. P. TAYLOR, T. R. LOUGHLIN, and K. W. PITCHER. 2001. Aerial and land-based surveys of Steller sea lions (*Eumetopias jubatus*) in Alaska, June and July 1999 and 2000. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-122, 52 p. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-122.pdf>

SHELDEN, K. E. W., D. P. DeMASTER, D. J. RUGH, and A. M. OLSON. 2001. Developing classification criteria under the U.S. Endangered Species Act: Bowhead whales as a case study. *Cons. Biol.* 15:1300-1307.

SIMPKINS, M.A., B.P. KELLY, and D. WARTZOK. 2001. Three-dimensional analysis of search behaviour by ringed seals. *Anim. Behav.* 62:67-72.

SIMPKINS, M. A., B. P. KELLY, and D. WARTZOK. 2001. Three-dimensional diving behaviors of ringed seals (*Phoca hispida*). *Mar. Mammal Sci.* 17:925-941.

SIMPKINS, M. A., B. P. KELLY and D. WARTZOK. 2001. Three-dimensional movements within individual dives by ringed seals (*Phoca hispida*). *Can. J. Zool.* 79:1455-64.

TAYLOR, M. K., S. AKEEAGOK., D. ANDRIASHEK, W. BARBOUR, E. W. BORN, W. CALVERT, H. D. CLUFF, S. FERGUSON, J. LAAKE, A. ROSING-ASVID, I. STIRLING, and F. MESSIER. 2001. Delineating Canadian and Greenland polar bear (*Ursus maritimus*) populations by cluster analysis of movements. *Can. J. Zool.* 79:690-709.

TOWELL, R. G., and A. E. YORK. 2001. Mass, length, and sex ratios of northern fur seal pups on St. Paul and St. George Islands, 1999, p. 15-23 *In*: B. W. Robson (editor), Fur seal investigations, 1999. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-123. URL: <http://www.afsc.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-123.pdf>

TYNAN, C. T., D. P. DeMASTER, and W. T. PETERSON. 2001. Endangered right whales on the southeastern Bering Sea shelf. *Science* 294:1894.

WADE, P. R. 2001. The conservation of exploited species in an uncertain world: Novel methods and the failure of traditional techniques, p. 110-143. *In*: J. D. Reynolds, G. M. Mace, K. H. Redford, and J. G. Robinson (editors), Conservation of exploited species. Cambridge University Press.

WALKER, W. A. 2001. Geographical variation of the parasite, *Phyllobothrium delphini* (Cestoda), in Dall's porpoise *Phocoenoides dalli*, in the northern North Pacific, Bering Sea, and Sea of Okhotsk. *Mar. Mammal Sci.* 17(2):264-275.

NMML Gray Literature - 2001

BURKANOV, V. N. 2001. Steller sea lion survey on Kuril and Iony Islands, Russia. AFSC Quarterly Report Feature (October-November-December 2001). URL: <http://www.afsc.noaa.gov/Quarterly/ond2001/feature.htm>

FADELY, B. S. (editor). 2001. Steller sea lion investigations, 2000. AFSC Processed Report 2001-05, 226 p. Alaska Fish. Sci. Cent., Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE., Seattle, WA 98115.

LANCE, M. M., A. J. ORR, S. D. RIEMER, M. J. WEISE, and J. L. LAAKE. 2001. Pinniped food habits and prey identification techniques protocol. AFSC Processed Rep. 2001-04, 36 p. Alaska Fish. Sci. Cent., Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE., Seattle, WA 98115. URL: <http://www.afsc.noaa.gov/Publications/ProcRpt/PR%202001-04.pdf>

LOPEZ, A. L., and R. P. ANGLISS (editors). 2001. Marine Mammal Protection Act and Endangered Species Act implementation program 2000. AFSC Processed Report 2001-06, 115 p. Alaska Fish. Sci. Cent., Natl. Mar. Fish. Serv., NOAA, 7600 Sand Point Way NE., Seattle, WA 98115. URL: <http://www.afsc.noaa.gov/Publications/ProcRpt/PR%202001-06.pdf>