

MARINE MAMMAL DIVISION PUBLICATIONS - 1997

- Ballance, L.T., R.L. Pitman, and S.B. Reilly. 1997. Seabird community structure along a productivity gradient: Importance of competition and energetic constraint. *Ecology* 78(5):1502-1518.
- Barlow, J., T. Gerrodette, and G. Silber. 1997. First estimates of vaquita abundance. *Mar.Mamm.Sci.* 13(1): 44-58.
- Barlow, J. 1997. Preliminary estimates of cetacean abundance off California, Oregon, and Washington based on a 1996 ship survey, and comparisons of passing and closing modes. SWFSC Admin. Rept. LJ-97-11. 25 p.
- Barlow, J. and P.J. Clapham. 1997. A new birth interval approach to estimating demographic parameters of humpback whales. *Ecology* 78(2):535-546.
- Barlow, J., K. Forney, A. VonSaunder, and J. Urban-R. 1997. A report of cetacean acoustic detection and dive interval studies (CADDIS) conducted in the southern Gulf of California, 1995. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-250. 48 pp.
- Barlow, J., K. Forney, P.S. Hill, R.L. Brownell, Jr., J.V. Carretta, D.P. DeMaster, F. Julian, M.S. Lowry, T. Ragen, and R.R. Reeves. 1997. U.S. Pacific marine mammal stock assessments. NOAA Technical Memorandum NOAA-TM-NMFS-SWFSC-248. 223 p.
- Brownell, R.L., Jr., A.M. Burdin, S.A. Blokhin, and A.A. Berzin. 1997. Observations on bowhead whales (*Balaena mysticetus*) in the Shantar Archipelago, Western Okhotsk Sea. IBI Reports 7:1-7.
- Brownell, R.L. Jr., S.A Blokhin, A.M. Burdin, A.A. Berzin, R.G. Le Duc, R.L. Pitman and H. Minakuchi. 1997. Observations on Okhotsk-Korean gray whales on their feeding grounds off Sakhalin Island. *Rep. Int. Whal. Commn.* 47:161-162.
- Chivers, S.J., and B. L. Taylor. 1997. Probabilities of population dispersal rates inferred from genetic distance data. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 365-380, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- Clapham, P.J., S. Leatherwood, I. Szczepaniak, and R.L. Brownell, Jr. 1997. Catches of humpback and other whales from shore stations at Moss Landing and Trinidad, California, 1919-1926. *Marine Mammal Science* 13(3):368-394.
- Curry, B. E. and J. Smith. 1997. Phylogeographic structure of the bottlenose dolphin (*Tursiops truncatus*): Stock identification and implications for management. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 227-247, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.

- Curry, B.E. 1997. Phylogenetic relationships among bottlenose dolphins (Genus *Tursiops*) in a worldwid context. Ph.D. Thesis, Texas A&M University. 138 pp.
- Denny, G.F., K.E. deVilleroy, and P.K. Simpson. 1997. (Contract report) Long-range tuna school detection sonar system design specification. SWR Admin Rept. SWR-98-01. 43p.
- Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds). 1997. Molecular genetics of marine mammals. Special Publication Number 3, The Society for Marine Mammalogy. 388 pp.
- Escorza-Trevino, S., C. A. Lux and A. S. Costa. 1997. Methods of DNA extraction: From initial tissue preservation to purified DNA storage. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp.87-106, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- Henshaw, M.D., R.G. LeDuc, S.J. Chivers and A.E. Dizon. 1997. Identifying beaked whales (Family Ziphidae) using mtDNA sequences. *Marine Mammal Science* 13(3):487-495.
- Jefferson, T.A., R.L. Pitman, S. Leatherwood, and M.L.L. Dolar. 1997. Developmental and sexual variation in the external appearance of Fraser's dolphins (*Lagenodelphis hosei*). *Aquatic Mammals* 23(3):145-153.
- Jefferson, T.A., B.E. Curry, S. Leatherwood, and J.A. Powell. 1997. Dolphins and porpoises of west Africa: A review of records (Cetacea: Delphinidae, Phocoenidae). *Mammalia* 61(1):87-108.
- Kasuya, T., R.L. Brownell, Jr. and K.C. Balcomb, III. 1997. Life history of Baird's beaked whales off the Pacific coast of Japan. *Rep.Int.WhalCommn* 47:969-979.
- LeDuc, R.G. 1997. Mitochondrial systematics of the Delphinidae (Mammalia: Cetacea). Ph.D. Thesis, University of California, San Diego. 124 pp.
- LeDuc, R.G., W.F. Perrin, A.O. Debrot, N.B. Barros, P.J.H. vanBree. 1997. *Stenella attenuata* from Curaçao misidentified as *S. coeruleoalba*. *Mar. Mam. Sci.* 13:356-357.
- Mangel, M., L.M. Talbot, G.K. Meffe, M. Tundi Agardy, D.L. Alverson, J. Barlow, et al. 1997. Principles for the conservation of wild living resources. *Ecological Applications* 6(2):338-372.
- O'Corry-Crowe, G., R. Suydam, A. Rosenberg, K. Frost, and A. Dizon. 1997. Phylogeography, population structure, and dispersal patterns of the beluga whale, *Delphinapterus leucas*, in the western Neartic revealed by mitochondrial DNA. *Molecular Ecology* 6:955-970.
- O'Corry-Crowe, G. M. and L. F. Lowry. 1997. Genetic ecology and management concerns for the beluga whale (*Delphinapterus leucas*). In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp.249-274, Molecular Genetics of Marine Mammals. Special Publication

Number 3, The Society for Marine Mammalogy.

- O'Corry-Crowe, G. M., and R. L. Westlake. 1997. Molecular investigations of spotted seals (*Phoca largha*) and harbor seals (*P. vitulina*) and their relationship in areas of sympatry. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 291-304, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- O'Corry-Crowe, G. M., R. S. Suydam, A. Rosenberg, K. J. Frost, and A. E. Dizon. 1997. Phylogeography, population structure and dispersal patterns of the beluga whale *Delphinapterus leucas* in the western Nearctic revealed by mtDNA. Molecular Ecology 6:955-970.
- Perkins, P.C. and E.F. Edwards. 1997. Capture rate as a function of school size in offshore spotted dolphins from the eastern tropical Pacific Ocean. Admin. Rept. LJ-97-03. 40p.
- Reeves, R.R., S.L. Leatherwood, T.A. Jefferson, B.E. Curry, and T. Henningsen. 1997. The Amazonian manatee, *Trichechus inunguis*, in Peru: Distribution, exploitation, and status. Interscience 21:246-254.
- Robertson, K.M. and S.J. Chivers. 1997. Prey occurrence in pantropical spotted dolphins, *Stenella attenuata*, from the eastern tropical Pacific. Fish.Bull. 95(2).
- Rosenbaum, H.C., M.G. Egan, P.J. Clapham, R.L. Brownell, Jr., and R. DeSalle. 1997. An effective method for isolating DNA from historical specimens of baleen. Molecular Ecology 6:677-681.
- Sydeman, W.J., and S.G. Allen. 1997. Trends and oceanographic correlates of pinniped populations in the Gulf of the Farallones, California. SWFSC Admin. Rept. LJ-97-2C. 27p.
- Taylor, B. L. 1997. Defining "populations" to meet management objectives for marine mammals. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 49-65, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- Taylor, B. L., S. J. Chivers and A. E. Dizon. 1997. Using statistical power to interpret genetic data to define management units for marine mammals. In: Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 347-364, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- Taylor, B. L. and S. J. Chivers. 1997. Anonymous alleles can bias results. In:Dizon, A. E., S. J. Chivers, and W. F. Perrin (eds), pp. 341-346, Molecular Genetics of Marine Mammals. Special Publication Number 3, The Society for Marine Mammalogy.
- Vidal, O., J. Barlow, L.A. Hurtado, J. Torre, P. Cendón, and Z. Ojeda. 1997. Distribution and abundance of the Amazon River dolphin (*Inia geoffrensis*) and the tucuxi (*Sotalia*

fluvialis) in the upper Amazon River. Marine Mammal Science 13(3):427-445.

Westlake, R.L. 1997. Genetic investigation and management of Alaskan harbor seals (*Phoca vitulina richardsi*) with reference to *P.V. Stejnegeri*, using mitochondrial DNA techniques. M.S. Thesis, San Diego State University, 100 pp.