

**Review of the Scientific program and information relevant to the International
Dolphin Conservation Program Act (IDCPA) held at the Southwest Fisheries
Science Center, La Jolla, California, 8 to 11 March, 1999.**

**List of Documents Provided to the Reviewers
by the Southwest Fisheries Science Center**

MATERIALS PROVIDED IN THIS MAILING

- I. Draft Report to Congress dated 25 February 1999. Initial finding prepared by the Southwest Fisheries Science Center, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, Department of Commerce as required under the Marine Mammal Protection Act of 1972 as amended by the International Dolphin Program Conservation Act of 1997, regarding whether the intentional deployment on or encirclement of dolphins with purse seine nets is having a significant adverse impact on any depleted dolphin stock in the eastern tropical Pacific Ocean.
- II. Draft reports prepared for the initial finding:
 - Curry, B. E. 1999. Stress in Mammals: The Potential Influence of Fishery-Induced Stress on Dolphins in the Eastern Tropical Pacific Ocean. Draft report dated February, 1999.
 - Fiedler, P. C. 1999. Eastern tropical Pacific dolphin habitat variability. Draft report dated February 22, 1999. 11 pp.
 - Gerrodette, T. 1999. Preliminary estimates of 1998 abundance of four dolphin stocks in the eastern tropical Pacific. Draft Report dated February 26, 1999. 20 pp.
 - Goodman, D. 1999. Decision framework for assessing the status of the eastern tropical Pacific dolphin stocks. Contract report to the Southwest Fisheries Science Center, NMFS, dated January 24, 1999.
- III. Letters from the Marine Mammal Commission and the Inter-American Tropical Tuna Commission to Dr. Michael F. Tillman, Southwest Fisheries Science Center.
 - Marine Mammal Commission: 8 January and 12 February 1999.
 - Inter-American Tropical Tuna Commission: 14 January (ref # 0015-812), 3 February (ref # 0051-812), 17 February (ref # 0079-812).
- IV. Responses to Marine Mammal Commission and the Inter-American Tropical Tuna Commission letters, and responses to external reviewers of draft reports (comments provided by B.E. Curry, P. C. Fiedler, T. Gerrodette, D. Goodman, S. B. Reilly, and P. Wade).
- V. Supplemental reports and published papers:
 - Barlow, J. 1995. The abundance of cetaceans in California waters. Part I: Ship surveys in summer and fall of 1991. Fish. Bull. 93:1-14.

- Barlow, J., T. Gerrodette, and W. Perryman. 1998. Calibrating group size estimates for cetaceans seen on ship surveys. Southwest Fisheries Science Center, Administrative Report LJ-98-11. 39 pp.
- Buckland, S. T., D. R. Anderson, K. P. Burnham, and J. L. Laake. 1993. Distance Sampling: Estimating Abundance of Biological Populations. Chapman & Hall, London. 446 pp. [only title page and table of contents provided].
- Curry, B. E. and E. F. Edwards. 1998. Investigation of the potential influence of fishery-induced stress on dolphins in the eastern tropical Pacific Ocean: Research Planning. Southwest Fisheries Science Center, Technical Memorandum, NOAA-TM-NMFS-SWFSC-254. 59 pp.
- Curry, B. E., W. A. Walker and D. F. Cowan. In prep. Summary Report: Necropsy technician training course, Southwest Fisheries Science Center, La Jolla, California, 19-21 January 1999. Southwest Fisheries Science Center Draft Report dated February 26, 1999. 49 pp.
- Fiedler, P. C. and S. B. Reilly. 1994. Interannual variability of dolphin habitats in the eastern tropical Pacific. II: Effects on abundances estimated from tuna vessel sightings, 1975-1990. Fish. Bull. 92:451-463.
- Fiedler, P. C., F. P. Chavez, D. W. Behringer and S. B. Reilly. 1992. Physical and biological effects of Los Niños in the eastern tropical Pacific, 1986-1989. Deep-Sea Research 39(2):199-219.
- Fiedler, P. C., V. Philbrick and F. P. Chavez. 1991. Oceanic upwelling and productivity in the eastern tropical Pacific. Limnol. Oceanogr. 36(8):1834-1850.
- Gerrodette, T., and C. Perrin. 1991. Calibration of shipboard estimates of dolphin school size from aerial photographs. Southwest Fisheries Science Center, Administrative Report LJ-91-36. 71pp..
- Gerrodette, T., P. Olson, D. Kinzey, A. Anganuzzi, P. Fiedler, and R. Holland. 1998. Report of the survey design meeting for estimating abundance of eastern tropical Pacific dolphins, 1998-2000. Southwest Fisheries Science Center, Administrative Report LJ-98-03. 25 pp.
- Olson, P., and T. Gerrodette. In prep. Report of the meeting to review the preliminary estimates of eastern tropical Pacific dolphin abundance in 1998. Southwest Fisheries Science Center Draft Report dated January 21, 1999. 28 pp.
- Reilly, S. B. 1990. Seasonal changes in distribution and habitat differences among dolphins in the eastern tropical Pacific. Marine Ecology Progress Series 66:1-11.

- Reilly, S. B. and P. C. Fiedler. 1994. Interannual variability of dolphin habitats in the eastern tropical Pacific. I: Research vessel surveys, 1986-1990. Fish. Bull. 92:434-450.
- Smith, T. D. 1983. Changes in size of three dolphin (*Stenella* spp.) populations in the eastern tropical Pacific. Fish. Bull. 81:1-13.
- Wade, P. R. In press. A comparison of statistical models for fitting population models to data. In: McDonald, L. et al. (eds.). Proceedings of the symposium on marine mammal survey and assessment methods. Balkeema Publishers, The Netherlands.
- Wade, P. R. 1994. "Population status and rate of increase of the eastern spinner dolphin (*Stenella longirostris orientalis*) and the northeastern offshore spotted dolphin (*Stenella attenuata*) using a Bayesian parameter estimation method." Pages 200-255 in: Wade, P. R. Abundance and Population Dynamics of Two Eastern Pacific Dolphins, *Stenella attenuata* and *Stenella longirostris orientalis*. Ph.D. dissertation. University of California, San Diego.
- Wade, P. R. and T. Gerrodette. 1993. Estimates of cetacean abundance and distribution in the eastern tropical Pacific. Rep. Int. Whal. Commn. 43:477-493.