

PUBLICATIONS
January 1 through December 31, 1996*

- Aksnes, D. L., and M. D. Ohman. A vertical life table approach to zooplankton mortality estimation. *Limnol. Oceanogr.* 41:1461–1469.
- Altstatt, J. M., R. F. Ambrose, J. M. Engle, P. L. Haaker, K. D. Laferty, and P. T. Raimondi. Recent declines of black abalone *Haliotis cracherodii* on the mainland coast of central California. *Mar. Ecol. Prog. Ser.* 142:185–192.
- Arenas, P. R., J. R. Hunter, and L. D. Jacobson. The 1994 Mexico–U.S. spawning biomass survey for Pacific sardine (*Sardinops sagax*) and the 1995 CalCOFI Sardine Symposium. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:129–133.
- Barnes, J. T. Compensation of displaced gill netters pursuant to Proposition 132. *Calif. Dep. Fish Game, MRD Admin. Rep.* 95-03. 19 pp. (1995 publication, first time listed).
- Barnes, J. T., and D. A. Hanan. Status of the Pacific mackerel resource and fishery, 1994 and 1995. *Calif. Dep. Fish Game, MRD Admin. Rep.* 95-04. 20 pp. (1995 publication, first time listed).
- Barnes, J. T., M. Yaremko, and D. A. Hanan. Status of the Pacific sardine resource and fishery. *Calif. Dep. Fish Game, MRD Admin. Rep.* 96-1. 22 pp.
- Barry, J. P., M. M. Yoklavich, G. M. Cailliet, D. A. Ambrose, and B. S. Antrim. Trophic ecology of the dominant fishes in Elkhorn Slough, California, 1974–1980. *Estuaries* 19(1):115–138.
- Bedford, D., J. Kashiwada, and G. Walls. Biological surveys of five artificial reefs: Oceanside #1, Oceanside #2, Carlsbad, Pacific Beach, and Mission Bay. *Calif. Dep. Fish Game, MRD Admin. Rep.* 95-06. 17 pp. (1995 publication, first time listed).
- Beeson, M. J. Effort estimates of California gill net fisheries: halibut–angel shark set net, shark–swordfish drift net, and white seabass–yellowtail drift net, for January–December 1995, Final report submitted to NOAA Fisheries, SWR. June 1996. Contract no. NA57FX0358. 15 pp.
- . Effort estimates of California gill net fisheries: halibut–angel shark set net, shark–swordfish drift net, white seabass–yellowtail drift net, and nearshore shark set and drift net, for January 1994–December 1994. Final rep. cooperative agreement no. NA47FX0231. NOAA/NMFS SWR. 12 pp. (1995 publication, first time listed).
- Beeson, M. J., and D. A. Hanan. An evaluation of pinniped-fishery interactions in California. Report to the Pacific States Marine Fisheries Commission, Gladstone, Oregon. January 1996. Contract no. FGR5965MR/PSMFC95-95. 22 pp.
- . Wary seals challenge researchers. *Outdoor Calif.* 56(1):6–10 (1995 publication, first time listed).
- . Harbor seal, *Phoca vitulina richardsi*, census in California, May–June 1994. Final rep. coop. agreement no. NA37FX0265. NOAA/NMFS SWR. 68 pp. (1994 publication, first time listed).
- Bentley, P. J., R. L. Emmett, N. C. H. Lo, and H. G. Moser. Egg production of Pacific sardine (*Sardinops sagax*) off Oregon in 1994. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:193–200.
- Blair, N. E., L. A. Levin, D. J. DeMaster, and G. Plaia. The short-term fate of fresh algal carbon in continental slope sediments. *Limnol. Oceanogr.* 41:1208–1219.
- Brodziak, J., R. Conser, L. Jacobson, T. Jagielo, and G. Sylvia. Groundfish stock assessment review meeting—June 3–7, 1996 in Newport, Oregon. In *Status of the Pacific Coast groundfish fishery through 1996 and recommended acceptable biological catches for 1997*. Portland, Ore.: Pacific Fishery Management Council, 44 pp.
- Butler, J. L., K. A. Dahlin, and H. G. Moser. Growth and duration of the planktonic phase and a stage based population matrix of Dover sole, *Microstomus pacificus*. *Bull. Mar. Sci.* 58(1):29–43.
- Butler, J. L., M. L. Granados G., J. T. Barnes, M. Yaremko, and B. J. Macewicz. Age composition, growth, and maturation of the Pacific sardine (*Sardinops sagax*) during 1994. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:152–159.
- Chereskin, T. K., and M. Trunnell. Correlation scales, objective mapping, and absolute geostrophic flow in the California Current. *J. Geophys. Res.* 101:22619–22629.
- Churnside, J. H., and J. R. Hunter. Laser remote sensing of epipelagic fishes. In *Laser remote sensing of natural waters: from theory to practice*, V. I. Feigels and Y. I. Kopilevich, eds. Bellingham, Wash.: SPIE, pp. 38–53.
- Davis, G. E., P. L. Haaker, and D. V. Richards. Status and trends of white abalone at the California Channel Islands. *Trans. Am. Fish. Soc.* 125:42–48.
- Deriso, R. B., J. T. Barnes, L. D. Jacobson, and P. R. Arenas. Catch-at-age analysis for Pacific sardine (*Sardinops sagax*), 1983–1995. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:175–187.
- Dotson, R. C., and D. A. Griffith. A high-speed midwater rope trawl for collecting coastal pelagic fishes. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:134–139.
- Gingras, M. L., D. A. VenTresca, and D. S. Short. A boat-mounted system to synoptically record vessel position and sea-surface temperature. *Calif. Fish Game* 82(2):97–100.
- Grimm, K. A., C. B. Lange, and A. S. Gill. Biological forcing of hemipelagic sedimentary laminae: evidence from ODP Site 893, Santa Barbara Basin, California. *J. Sediment. Res.* 66(3):613–624.
- Hanan, D. A., and M. J. Beeson. Harbor seal, *Phoca vitulina richardsi*, census in May–June 1993. Final rep. coop. agreement no. NA27FX027-01. NOAA/NMFS SWR. 61 pp. (1994 publication, first time listed).
- Hasle, G. R., C. B. Lange, and E. E. Syvertsen. A review of *Pseudo-nitzschia*, with special reference to the Skagerrak, North Atlantic, and adjacent waters. *Helgolander Meeresunters* 50:131–175.
- Hayward, T. L. Long-term change in the North Pacific Ocean: a consideration of some important issues. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:41–44.
- Hayward, T. L., S. L. Cummings, D. R. Cayan, F. P. Chavez, R. J. Lynn, A. W. Mantyla, P. P. Niiler, F. B. Schweng, R. R. Veit, and E. L. Venrick. The state of the California Current in 1995–1996: continuing declines in macrozooplankton biomass during a period of nearly normal circulation. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:22–37.
- Jacobson, L. D., and R. D. Vetter. Bathymetric demography and niche separation of thornyhead rockfish: *Sebastolobus alascanus* and *Sebastolobus altivelis*. *Can. J. Fish. Aquat. Sci.* 53:600–609.
- Jacobson, L. D., S. Ralston, and A. D. MacCall. Historical larval abundance indices for Bocaccio rockfish (*Sebastes paucispinis*) from CalCOFI data. SWFSC Admin. Rep., La Jolla, LJ-96-06, 30 pp.
- Juhl, A. R., M. D. Ohman, and R. Goericke. Astaxanthin in *Calanus pacificus*: assessment of pigment-based measures of omnivory. *Limnol. Oceanogr.* 41:1198–1207.
- Lange, C. B., A. Schimmelmann, M. Yasuda, and W. H. Berger. Marine varves off southern California. SIO Ref. Series, 96-22.
- Lea, R. N. Ophididae. In *Guia FAO para la identificación de especies para los fines de la pesca. Pacífico centro-oriental. Vertebrados Parte 2*, F. Krupp, W. Scheinder, C. Sommer, K. E. Carpenter, and V. H. Niem. FAO Rome, 3:1342–1348 (1995 publication, first time listed).
- . Review of: P. R. Last and J. D. Stevens, *Sharks and rays of Australia*. CSIRO, Australia. 612 pp. Chondros 1995 (winter)6(4):6.
- Lea, R. N., and H. J. Walker Jr. Record of the bigeye trevally, *Caranx sexfasciatus*, and Mexican lookdown, *Selene brevoorti*, with notes on other carangids from California. *Calif. Fish Game* 81(3):89–95 (1995 publication, first time listed).
- Lenarz, W. H., D. A. VenTresca, W. M. Graham, F. B. Schweng, and F. Chavez. Explorations of El Niño events and associated biological population dynamics off central California. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:106–119 (1995 publication, first time listed).
- Levin, L., H. Caswell, T. Bridges, C. DiBacco, D. Cabrera, and G. Plaia. Demographic responses of estuarine polychaetes to pollutants: life table response experiments. *Ecol. Appl.* 6:1295–1313.
- Levin, L. A., D. Talley, and G. Thayer. Succession of macrobenthos in a created salt marsh. *Mar. Ecol. Prog. Ser.* 141:67–82.
- Lo, N. C. H., Y. A. Green Ruiz, M. J. Cervantes, H. G. Moser, and R. J. Lynn. Egg production and spawning biomass of Pacific sardine (*Sardinops sagax*) in 1994, determined by the daily egg production method. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:160–174.
- Macewicz, B. J., J. J. Castro-González, C. E. Cotero-Altamirano, and J. R. Hunter. Adult reproductive parameters of Pacific sardine (*Sardinops sagax*) during 1994. *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:140–151.

*Unless otherwise noted

- Mangel, M., and 40 others (P. K. Dayton is author no. 12). Principles for the conservation of wild living resources. *Ecol. Appl.* 6(2):338–362.
- McCosker, J. E., and R. N. Lea. White shark attacks in the eastern Pacific Ocean: an update and analysis. In *Great white sharks: the biology of *Carcharodon carcharias**, A. P. Klimley and D. G. Ainley, eds. Chapter 39, pp. 419–434. San Diego, Calif.: Academic Press.
- Mitchell, B. G. Regional challenges for development of satellite ocean color algorithms; (Sept. 12–16, 1995) COSPAR Colloquium on Space Remote Sensing of Subtropical Oceans (SRSSO), Taipei, Taiwan, ROC.
- Mitchell, B. G., P. J. Flatau, M. Kahru, and K. Mobley. Ocean optics in the California Current: observations and theory; (Oct. 22–25, 1996) SPIE 2963:714–724; Ocean Optics XIII, Nova Scotia, Canada.
- Morris, P. A., M. Domeier, and J. Stephens Jr. Notes on the occurrence and depth distribution of the bat ray in the Southern California Bight, with comments on the effect of trawl size on estimates of abundance. *Calif. Dep. Fish Game* 82(1):48–53.
- Moser, H. G., ed. The early stages of fishes in the California Current region. *Calif. Coop. Oceanic Fish. Invest. Atlas* 33, 1505 pp.
- Mullin, M. M. Review of: Ivan Valiela, *Marine ecological processes*, 2d ed., published by Springer-Verlag, N.Y., 1995. *Estuaries* 19:752–753.
- Ohman, M. D. Freezing and storage of copepod samples for the analysis of lipids. *Mar. Ecol. Prog. Ser.* 130:295–298.
- _____. Review of: Mazzochi et al., *Atlas of marine zooplankton. Straits of Magellan: Copepods*. *Limnol. Oceanogr.* 41:1584–1585.
- Ohman, M. D., and S. N. Wood. Mortality estimation for planktonic copepods: *Pseudocalanus newmani* in a temperate fjord. *Limnol. Oceanogr.* 41:126–135.
- Ohman, M. D., D. L. Aksnes, and J. A. Runge. The interrelationship of copepod fecundity and mortality. *Limnol. Oceanogr.* 41:1470–1477.
- Owen, S. L. Pismo clams three years later. *Outdoor Calif.* 56(4):22–24 (1995 publication, first time listed).
- Simpson, J. J., and L. Al-Rawi. The Tiling and General Research Imaging System (TIGRIS). *IEEE Trans. Geosci. Remote Sens.* 34:149–162.
- Simpson, J. J., and J. I. Gobat. Improved cloud detection for daytime AVHRR scenes over land. *Remote Sens. Environ.* 55:21–49.
- Sosik, H. M., and B. G. Mitchell. Light absorption by phytoplankton, photosynthetic pigments and detritus in the California Current system. *Deep-Sea Res.* 1(42):10:117–1748.
- Taniguchi, I. K., and P. L. Haaker. A red abalone tag return after 16 years at liberty. *Calif. Dep. Fish Game* 82(3):141–143.
- Tegner, M. J., L. V. Basch, and P. K. Dayton. Near extinction of an exploited marine invertebrate. *Trends Ecol. Evol.* 11:278–280.
- Tegner, M. J., P. K. Dayton, P. B. Edwards, and K. L. Riser. Is there evidence for long-term climate change in southern California kelp forests? *Calif. Coop. Oceanic Fish. Invest. Rep.* 37:111–126.
- Terry, J., G. Sylvia, D. Squires, W. Silverthorne, J. Seger, G. Munro, R. Marasco, D. Larson, J. Kirkley, L. Jacobson, S. Herrick, J. Gauvin, A. B. Gautam, S. Freese, and R. Baldwin. Fixed costs and joint cost allocation in the management of Pacific whiting—a workshop report. U.S. Dep. Commer., NOAA Tech. Memo., NOAA-TM-NMFS-SWFSC-234, 29 pp.
- Treppke, U. F., C. B. Lange, B. Donner, G. Fischer, G. Ruhland, and G. Wefer. Diatom and silicoflagellate fluxes at the Walvis Ridge: an environment influenced by coastal upwelling in the Benguela system. *J. Mar. Res.* 54:991–1016.
- Treppke, U. F., C. B. Lange, and G. Wefer. Vertical fluxes of diatoms and silicoflagellates in the eastern equatorial Atlantic, and their contribution to the sedimentary record. *Mar. Micropaleontol.* 28:73–96.
- Venrick, E. L. A comparison between the phytoplankton species from station ALOHA and from the Climax region. *EOS, Trans., Am. Geophys. Union* 76(3):65.
- VenTresca, D. A., J. L. Houk, M. J. Paddock, M. L. Gingras, N. L. Crane, and S. D. Short. Early life history studies of nearshore rockfishes and lingcod off central California, 1987–92. *Calif. Dep. Fish Game, Mar. Res. Div. Admin. Rep.* 96-4, 77 pp.
- VenTresca, D. A., R. H. Parrish, J. L. Houk, M. L. Gingras, S. D. Short, and N. L. Crane. El Niño effects on the somatic and reproductive condition of blue rockfish, *Sebastodes mystinus*. *Calif. Coop. Oceanic Fish. Invest. Rep.* 36:167–174 (1995 publication, first time listed).
- Vernet, M., B. G. Mitchel, E. Sakshaug, G. Johnsen, R. Iturriaga, and P. Wassmann. Evidence for a novel pigment with in vivo absorption maximum at 708 nm associated with *Phaeocystis* cf. *pouchetii* blooms. *Mar. Ecol. Prog. Ser.* 133:253–262.
- Wendel, F. A perspective on sea otter management. *Outdoor Calif.* 56(4):21 (1995 publication, first time listed).
- Wilson, C. E., L. H. Halko, D. Wilson-Vandenberg, and P. N. Reilly. Onboard sampling of the rockfish and lingcod commercial passenger fishing vessel industry in northern and central California, 1992. *Calif. Dep. Fish Game, Mar. Res. Div. Admin. Rep.* 96-2, 103 pp.
- Wilson-Vandenberg, D., P. N. Reilly, and L. Halko. Onboard sampling of the rockfish and lingcod commercial passenger fishing vessel industry in northern and central California, 1993. *Calif. Dep. Fish Game, Mar. Res. Div. Admin. Rep.* 95-2, 122 pp. (1995 publication, first time listed).
- Wilson-Vandenberg, D., P. N. Reilly, and C. E. Wilson. Onboard sampling of the rockfish and lingcod commercial passenger fishing vessel industry in northern and central California 1994. *Calif. Dep. Fish Game, Mar. Res. Div. Admin. Rep.* 96-6, 96 pp.