

PUBLICATIONS

- Arenas, P., J. T. Barnes, and L. D. Jacobson. Fishery and biological data for northern anchovy taken in Mexican waters, 1978–1989. U.S. Dep. Commer., NOAA, NMFS, SWFSC Admin. Rep., La Jolla, Calif. LJ-94-03, 24 pp.
- Barnes, J. T., and T. J. Foreman. Recent evidence for the formation of annual growth increments in the otoliths of Pacific sardines (*Sardinops sagax*). Calif. Fish Game (80):129–35.
- Baumgartner, T. R., and A. Soutar. Variation in coastal pelagic fish populations over the past millennium as a response to global climatic change and biological interaction: a perspective from the paleosedimentary record. Calif. Sea Grant Biennial Report of Completed Projects, 1990–1992, pp. 130–141.
- Berger, W. H., J. C. Herguera, C. B. Lange, and R. Schneider. Paleo-productivity: flux proxies versus nutrient proxies and other problems concerning the Quaternary productivity record. In *Carbon cycling in the glacial ocean*, R. Zahn et al., eds. NATO ASI Series I17:385–412.
- Bishop, T. The use of drum seines in the live bait fishery and their effects on Santa Monica Bay. Calif. Dep. Fish Game Legislative Rep., 10 pp.
- Blair, N. E., G. R. Plaia, S. E. Boehme, D. J. DeMaster, and L. A. Levin. The remineralization of organic carbon on the North Carolina continental slope. Deep-Sea Res. 41:755–766.
- Boyd, T. J., and A. F. Carlucci. Use of a ^3H -labeled substrate to measure microbial biodegradation in marine waters. J. Microbial Methods 20:11–22.
- Bridges, T. S., L. A. Levin, D. Cabrera, and G. Plaia. Effects of sediment amended with sewage, algae or hydrocarbons on growth and reproduction in two opportunistic polychaetes. J. Exp. Mar. Biol. Ecol. 177:99–119.
- Brinton, E. RACER: *Euphausia superba* in Gerlache Strait, Antarctica, springs of 1989 and 1991. Antarct. J. U.S. 28(5):174–179 (1993).
- Busby, M. S., and D. A. Ambrose. Development of larval and early juvenile pygmy poacher, *Odontopyxis trispinosa*, and blacktip poacher, *Xenertmus latifrons* (Scorpaeniformes: Agonidae). Fish. Bull. 91(3):397–413.
- Chereskin, T. K., and P. P. Niiler. Circulation in the Ensenada Front—September 1988. Deep-Sea Res. 41:1251–1287.
- Chereskin, T. K., P. T. Strub, C. Paulson, and D. Pillsbury. Mixed-layer observations at the offshore California Current moored array. EOS 75:140–141.
- DeMaster, D. J., R. H. Pope, L. A. Levin, and N. E. Blair. Biological mixing intensity and rates of organic carbon accumulation in North Carolina Slope sediments. Deep-Sea Res. 41:735–753.
- Dotson, R., L. D. Jacobson, and N. C. H. Lo. Fish spotter data from the special 1993 survey. SWFSC Admin. Rep., La Jolla, Calif. LJ-94-12, 34 pp.
- Ebert, T. A., S. C. Schroeter, J. D. Dixon, and P. Kalvass. Settlement patterns of red and purple sea urchins (*Strongylocentrotus franciscanus* and *S. purpuratus*) in California, USA. Mar. Ecol. Prog. Ser. 111:41–52.
- Franks, P. J. S., and J. Marra. A simple new formulation for phytoplankton photoresponse and an application in a wind-driven mixed-layer model. Mar. Ecol. Prog. Ser. 111:143–153.
- Genin, A., C. Greene, L. Haury, P. Wiebe, G. Gal, S. Kaartvedt, E. Meir, C. Fey, and J. Dawson. Zooplankton patch dynamics: daily gap formation over abrupt topography. Deep-Sea Res. 41:941–951.
- Goericke, R., and B. Fry. Variations of marine plankton ^{13}C with latitude, temperature, and dissolved CO_2 in the world ocean. Global Biogeochemical Cycles 8(1):85–90.
- Goericke, R., J. P. Montoya, and B. Fry. Physiology of isotopic fractionation in algae and cyanobacteria. In *Stable isotopes in ecology and environmental science*, K. Lajtha and B. Michener, eds. London: Blackwell Scientific, pp. 199–233.
- Haaker, P. L. Assessment of abalone resources at the Channel Islands. Abstracts of Fourth Channel Islands Symposium: update on the status of resources, W. L. Halvorsen and G. J. Maender, eds. Santa Barbara, Calif.: Santa Barbara Museum of Natural History.
- Haaker, P. L., and I. K. Taniguchi. The recreational diver and marine resource conservation. Proc. Int. Conf. on Underwater Education, IQ94, pp. 59–62.
- Haury, L. R., C. L. Fey, and E. Shulenberg. Surface enrichment of inorganic nutrients in the North Pacific Ocean. Deep-Sea Res. 41:1191–1205.
- Hayward, T. L., A. W. Mantyla, R. J. Lynn, P. E. Smith, and T. K. Chereskin. The state of the California Current in 1993–1994. Calif. Coop. Oceanic Fish. Invest. Rep. 35:19–35.
- Hunter, J. R., and T. Wada, eds. Coastal pelagic fishes (report of Working Group 3). In Part 1. PICES scientific report no. 1, 1993. North Pacific Marine Science Organization (PICES), c/o Institute of Ocean Sciences, P.O. Box 6000, Sidney, B.C. Canada V8L 4B2, 24 pp.
- Ianelli, J. N., R. Lauth, and L. D. Jacobson. Status of the thornyhead (*Sebastolobus* sp.) resource in 1994. In *Status of the Pacific coast groundfish fishery through 1994 and recommended acceptable biological catches for 1995, stock assessment and fishery evaluation*. Appendix vol. 1. Portland, Ore.: Pacific Fishery Management Council.
- Jacobson, L. D., and N. C. H. Lo. Spawning biomass of the northern anchovy in 1994. SWFSC Admin. Rep., La Jolla, Calif. LJ-94-17, 13 pp.
- Jacobson, L. D., E. S. Konno, and J. P. Perttierra. Status of Pacific mackerel and trends in abundance during 1989–1993 (with data tables). NMFS, SWFSC Admin. Rep., La Jolla, Calif. LJ-94-08, 33 pp.
- _____. Status of Pacific mackerel and trends in biomass during 1978–1993. Calif. Coop. Oceanic Fish. Invest. Rep. 35:36–39.
- Jacobson, L. D., N. C. H. Lo, and J. T. Barnes. A biomass based assessment model for northern anchovy *Engraulis mordax*. Fish. Bull., U.S. 92:711–724.
- Kalvass, P. 1994. The effect of different harvest methods on sea palm (*Postelsia palmaeformis*) sporophyll growth. Calif. Fish Game (80):57–67.
- Lange, C. B., and A. Schimmelmann. Seasonal resolution of laminated sediments in Santa Barbara Basin, its significance in paleoclimatic studies. In *Proc. Tenth Annual Pacific Climate (PACLIM) Workshop*, April 4–7, 1993, K. T. Redmond and V. T. Thorp, eds. Calif. Dep. Water Res. Interagency Ecol. Studies Program, Tech. Rep. 36:83–92.
- Lange, C. B., F. M. H. Reid, and M. Vernet. Temporal distribution of the potentially toxic diatom *Pseudonitzschia australis* at a coastal site in southern California. Mar. Ecol. Prog. Ser. 104:309–312.
- Lange, C. B., U. F. Treppke, and G. Fischer. Seasonal diatom fluxes in the Guinea Basin and their relationships to trade winds, hydrography and upwelling events. Deep-Sea Res. 41:859–878.
- Lea, R. N., and F. McAlary. Occurrence of the swallow damselfish, *Azurina hirundo*, from islands off southern California. Bull. South. Calif. Acad. Sci. 93(1):42–44.
- Leos, R. L. A portable field sampling table for dock-side sampling of fish. Calif. Fish Game 80(2):84–87.
- Levin, L. A. Paleoecology and ecology of xenophyophores. Palaios 9:32–41.
- Levin, L. A., and T. S. Bridges. Control and consequences of alternative development modes in a poecilogenous polychaete. Amer. Zool. 34:323–332.
- Levin, L. A., E. L. Leithold, T. F. Gross, C. L. Huggett, and C. DiBacco. Contrasting effects of substrate mobility on infaunal assemblages inhabiting two high-energy settings on Fieberling Guyot. J. Mar. Res. 52:489–522.
- Levin, L. A., G. Plaia, and C. Hugget. The influence of natural organic enhancement on life histories and community structure of bathyal polychaetes. In *Invertebrate reproduction, larval biology and recruitment in the deep-sea benthos*, C. Young and K. Eckelbarger, eds. New York: Columbia Univ. Press, pp. 261–283.
- Lo, N. C. H. Level of significance and power of two commonly used procedures based on confidence intervals to compare mean values. Calif. Coop. Oceanic Fish. Invest. Rep. 35:246–254.
- Lyons, M. L. G., P. E. Smith, and H. G. Moser. Comparison of cross-shelf trends in acoustic Doppler current profiler amplitude and zooplankton displacement volume in southern California. Calif. Coop. Oceanic Fish. Invest. Rep. 35:240–245.
- Macewicz, B. J., and J. R. Hunter. Fecundity of sablefish, *Anoplopoma fimbria*, from Oregon coastal waters. Calif. Coop. Oceanic Fish. Invest. Rep. 35:160–174.
- Mantyla, A. W. The treatment of inconsistencies in Atlantic deep water salinity data. Deep-Sea Res. 41(9):1387–1405.
- Moser, H. G., R. L. Charter, P. E. Smith, D. A. Ambrose, S. R. Charter, C. A. Meyer, E. M. Sandknop, and W. Watson. Distributional atlas of fish and larvae in the California Current region: taxa with less than 1000 total larvae, 1951 through 1984. Calif. Coop. Oceanic Invest. Atlas 32, 181 pp.

- Moser, H. G., R. L. Charter, P. E. Smith, N. C. H. Lo, D. A. Ambrose, C. A. Meyer, E. M. Sandknop, and W. Watson. Early life history of sablefish, *Anoplopoma fimbria*, off Washington, Oregon, and California, with application to biomass estimation. Calif. Coop. Oceanic Fish. Invest. Rep. 35:144–159.
- Mullin, M. M. Distribution and reproduction of the planktonic copepod, *Calanus pacificus*, off southern California during winter-spring of 1992, relative to 1989–91. Fish. Oceanogr. 3(2):142–157.
- Nonacs, P., P. E. Smith, A. Bouskila, and B. Luttbeg. Modeling the behavior of the northern anchovy, *Engraulis mordax*, as a schooling predator exploiting patchy prey. Deep-Sea Res. Part II 41:1:147–170.
- O'Brien, J. W., and J. S. Sunada. A review of the southern California experimental drift longline fishery for sharks, 1988–1991. Calif. Coop. Oceanic Fish. Invest. Rep. 35:222–229.
- Oda, K. T. Pacific herring, *Clupea pallasi*, studies in San Francisco Bay, April 1990 to March 1992. Calif. Dep. Fish Game, Mar. Res. Div. Adm. Rep. 94-2, 38 pp.
- Ohman, M. D. Predation on microzooplankton assessed by immunoassay, In Biogeochemical processes in the Arabian Sea. U.S.-C.I.S. Arabian Sea Workshop, Sevastopol, Crimea, Ukraine. September 20–25, 1993. Marine Hydrophysical Institute, Sevastopol, Ukraine, pp. 300–303 (published in 1993).
- Ohman, M. D., and J. A. Runge. Sustained fecundity when phytoplankton resources are in short supply: omnivory by *Calanus finmarchicus* in the Gulf of St. Lawrence. Limnol. Oceanogr. 39:21–36.
- Ono, D. S. Surf's up . . . for fishing! Outdoor Calif. 55(4):14–17.
- Owens, S., and L. D. Jacobson. Thornyheads. In California's living marine resources and their utilization, W. S. Leet, C. W. Haugen, and C. M. Dewees, eds. Davis, Calif.: Univ. Calif. Sea Grant Ext. Prog.
- Palmer-Zwahlen, M. L., and D. A. Aseline. Successional development of the turf community on a quarry rock artificial reef. Bull. Mar. Sci. 55(2-3): 902–923.
- Park T. Geographic distribution of the bathypelagic genus *Paraeuchaeta* (Copepoda, Calanoida). Hydrobiologia 292/293:317–332.
- Patton, M. L., C. F. Valle, and R. S. Grove. Effects of bottom relief and fish grazing on the density of the giant kelp, *Macrocystis*. Bull. Mar. Sci. 55(2-3):631–644.
- Perrin, W. F., C. E. Wilson, and F. I. Archer. Striped dolphin *Stenella coeruleoalba* (Meyen, 1833). In Handbook of marine mammals: volume 5. The first book of dolphins, S. H. Ridgway and Sir R. Harrison, eds. London: Academic Press Ltd., pp. 129–159.
- Peterson, R. G., T. K. Chereskin, and A. M. Bradley. First scientific use of the fast hydrographic profiler: observing the California Current with the FHP and ADCP. WOCE Notes 6(3), October 1994.
- Reid, J. L. On the total geostrophic circulation of the North Atlantic Ocean: flow patterns, tracers and transports. Prog. Oceanogr. 33(1):1–92.
- Schaff, T. S., and L. A. Levin. Spatial heterogeneity of benthos associated with biological structures on the North Carolina continental slope. Deep-Sea Res. 41:901–918.
- Schimmelmann, A., J. Schuffert, M. I. Venkatesan, J. Leather, C. B. Lange, G. N. Baturin, and A. Simon. Biogeochemistry and origin of a phosphoritized coprolite from anoxic sediment of the Santa Barbara Basin. J. Sediment. Res. A64(4):771–777.
- Simpson, J. J. Cloud detection in AVHRR scenes over land and ocean: a status report. In AVHRR workshop proceedings, 7th Australian conference, Melbourne, Australia, 28 February 1994, pp. 41–55.
- . Remote sensing in fisheries: a tool for better management in the utilization of a renewable resource. Can. J. Fish. Aquat. Sci. 51:743–771.
- Simpson, J. J., and J. I. Gobat. Robust velocity estimates, stream functions and simulated Lagrangian drifters from sequential spacecraft data. IEEE Trans. Geosciences and Remote Sensing 32:479–493.
- Simpson, J. J., and S. Yhann. Reduction of noise in AVHRR channel 3 data with minimum distortion. IEEE Trans. Geosciences and Remote Sensing 32:315–328.
- Simpson, J. J., J. Bloom, and M. A. Botta. The CTD Ocean Rendering and Analysis Laboratory (CORAL). J. Atmos. Oceanic Technol. 11:1638–1655.
- Spratt, J. D. An informational summary on elasmobranchs in Elkhorn Slough. Calif. Dep. Fish Game, Mar. Res. Div. Adm. Rep. 94-1, 5 pp.
- Thomson, C. J., T. Bishop, and J. Morgan. Status of the California coastal pelagic fisheries in 1993. NFFS/SWFSC Admin. Rep. La Jolla, Calif., LJ-94-14, 53 pp.
- Vetter, R. D. Genetics of the fauna of the California Current. Calif. Coop. Fish. Invest. Rep. 35:43–44.
- Warner, R. W. Gold fever—clamming for razors. Outdoor Calif. January–February, pp. 24–27.
- Wendell, F. Relationship between sea otter range expansion and red abalone abundance and size distribution in central California. Calif. Fish Game 80(2):45–56.
- Wilson, C. E., and B. C. Collins. Life history, distribution, run size, and angler harvest of steelhead in the South Fork Trinity River Basin. Chapter III. Job III. In Annual report of the Trinity River Basin Salmon and Steelhead Monitoring Project, 1991–1992 season, K. Urquhart and R. Carpenter, eds. Calif. Dep. Fish Game, Inland Fish. Div., Sacramento, Calif., February 1994, pp. 56–102.