

PUBLICATIONS
1 January–31 December 2009

- Aksnes, D.L., and M. D. Ohman. 2009. Multi-decadal shoaling of the euphotic zone in the southern sector of the California Current System. *Amer. Soc. of Limnol. and Oceanogr.* 54(4):1272–1281.
- Auth, T. D. 2009. Importance of far-offshore sampling in evaluating the ichthyoplankton community in the Northern California Current. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:107–117.
- Baker, K. S., and L. Yarmey. 2009. Data stewardship: Environmental data curation and a web-of-repositories. *International Journal of Digital Curation.* 4(2):12–27.
- Barange, M., M. Bernal, M. C. Cercole, L. A. Cubillos, G. M. Daskalov, C. L. de Moor, J. A. A. De Oliveira, M. Dickey-Collas, D. J. Gaughan, K. Hill, et al. 2009. Current trends in the assessment and management of stocks. *In Climate Change and Small Pelagic Fish*, Chapter 9, pp 191–255. D. Checkley, J. Alheit, Y. Oozeki and C. Roy (Eds). Cambridge University Press. xiii+ 372 pp.
- Barange, M., J. Coetzee, A. Takasuka, K. Hill, M. Gutierrez, Y. Oozeki, C. van der Lingen, and V. Agostini. 2009. Habitat expansion and contraction in anchovy and sardine populations. *Prog. Oceanogr.* 83:251–260.
- Barsky, K., D. Haas, M. Heisdorf, K. Hubbard, L. Laughlin, A. Louie, M. Michie, D. Neilsen, W. Miller, D. Ono, K. Penttila, V. Taylor, P. Ton. 2009. Review of selected California fisheries for 2008: Coastal pelagic finfish, market squid, ocean salmon, groundfish, California spiny lobster, spot prawn, white bass, kelp bass, thresher shark, skates and rays, Kelle's whelk, and sea cucumber. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:5–13.
- Bowlin, N. M., W. Watson, R. L. Charter, and S. M. Manion. 2009. Ichthyoplankton and station data for surface (manta) and oblique (bongo) plankton tows for California Cooperative Oceanic Fisheries Investigations survey cruises and California Current Ecosystem survey in 2006. U.S. Dep. Commer., NOAA Tech. Memo., NOAA-TM-NMFS-SWFSC-442. 152 pp.
- Broquet, G., C. A. Edwards, A. M. Moore, B. S. Powell, M. Veneziani, and J. D. Doyle. 2009. Application of 4D-variational data assimilation to the California Current System. *Dyn. Atmos. Oceans.* 48:69–92.
- Checkley, D. M., Jr., J. Alheit, Y. Oozeki, and C. Roy. 2009. *Climate Change and Small Pelagic Fish*. Cambridge University Press. 372 pp.
- Churnside, J. H., D. Griffith, D. A. Demer, R. L. Emmett, and R. D. Brodeur. 2009. Comparisons of Lidar, acoustic and trawl data on two scales in the Northeast Pacific Ocean. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:118–122.
- Crone, P. R., K. T. Hill, J. D. McDaniel, and N. C. H. Lo. 2009. Pacific mackerel (*Scomber japonicus*) stock assessment for USA management in the 2009–10 fishing year. Pacific Fishery Management Council, Portland, Oregon, USA. 197 pp.
- Di Lorenzo, E., J. Fiechter, N. Schneider, A. Bracco, A. J. Miller, P. J. S. Franks, S. J. Bograd, A. M. Moore, A. C. Thomas, W. Crawford, A. Pena, and A. J. Hermann. 2009. Nutrient and salinity decadal variations in the Central and Eastern North Pacific. *Geophys. Res. Lett.* 36: L14601, doi:10.1029/2009GL038261.
- Dottori, M. C., and J. Allan. 2009. Rossby Waves and the interannual and interdecadal variability of temperature and salinity off California. *J. Phys. Ocean.* 39:2543–2561.
- Emmett, R., and N. C. H. Lo. 2009. Proceedings of the 2008 Trinitational sardine forum. NWFSC Adm. Rep. 89 pp.
- Gay, P. S., and T. K. Chereskin. 2009. Mean structure and seasonal variability of the poleward undercurrent off Southern California. *J. Geophys. Res.* 114: C02007, 10.1029/2008JC004886.
- Gilfillan, L.R., M. D. Ohman, M. L. Doyle, and W. Watson. 2009. Occurrence of plastic micro-debris in the Southern California Current System. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:123–133.
- Glaser, S. M. 2009. Foraging ecology of North Pacific albacore in the California Current System. PhD Thesis. Biological oceanography. University of California San Diego. 231 pp.
- Hill, K.T., N. C. H. Lo, P.R. Crone, B.J. Macewicz, and R. Felix-Uraga. 2009. Assessment of the Pacific sardine resource in 2009 for USA management in 2010. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-452. 221 pp.
- Hsieh, C. H., H. J. Kim, W. Watson, E. Di Lorenzo, and G. Sugihara. 2009. Climate-driven changes in abundance and distribution of larvae of oceanic fishes in the Southern California region. *Global Change Biol.* 15:2137–2152.
- Jarvis, E. T., H. L. Gliniak, O. Horning, and C. Linardich. 2009. Occurrence of juvenile Mexican Lookdown, *Selene brevoortii* (Gill, 1863), in Seal Beach, California. *California Fish and Game* 95:188–192.
- Johnston, T. M. S., O. M. Cheriton, J. T. Pennington, F. P. Chavez. 2009. Thin phytoplankton layer formation at eddies, filaments, and fronts in a coastal upwelling zone. *Deep Sea Res. (II Top. Stud. Oceanogr.)* 56:246–259.
- Kahru, M., R. Kudela, M. Manzano-Sarabia, and B. G. Mitchell. 2009. Trends in primary production in the California Current detected with satellite data. *J. Geophys. Res.* 114: C02004, doi: 10.1029/2008JC004979.
- Karpov, K. A., N. J. Kogut, and J. J. Geibel. 2009. Estimating fish length with vertical morphometric parameters. *California Fish and Game*, 95:161–174.
- Kim, H. J., A. J. Miller, J. McGowan, and M. Carter. 2009. Coastal phytoplankton blooms in the Southern California Bight. *Prog. Oceanogr.* 82:137–147.
- Koslow, J. A. 2009. The role of acoustics in ecosystem-based fishery management ICES. *Journal of Mar. Sci.* 66:966–973.
- Koslow, J. A., R. Goericke, S. McClatchie, R. Vetter, and L. Rogers-Bennett. 2009. The California Cooperative Oceanic Fisheries Investigations (CalCOFI): the continuing evolution and contributions of a 60-year ocean observation program. *OceanObs'09*. ESA, Venice, Italy.
- Koslow, J. A. 2009. Deepwater corals and the other CO2 problem. *In Herr, D., G. R. Galland (Eds.), The Ocean and Climate Change: Tools and Guidelines for Action*. IUCN, Gland, Switzerland, p. 19.
- Lanz, E., M. Nevarez-Martinez, J. Lopez-Martinez, and J. A. Dworak. 2009. Small pelagic fish catches in the Gulf of California associated with sea surface temperature and chlorophyll. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:134–146.
- Lluch-Belda, D., P. del Monte Luna, and S. E. Lluch-Cota. 2009. 20th century variability in Gulf of California SST. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:147–154.
- Lo, N. C. H., B. J. Macewicz, and D. A. Griffith. 2009. Spawning biomass of Pacific sardine (*Sardinops sagax*) off California in 2009. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-449, 31 pp.
- Lo, N. C. H., B. J. Macewicz, and D. A. Griffith. 2010. Biomass and reproduction of Pacific sardine off northwest U.S. in 2003–2005. *U.S. Fish. Bull.* 108(2):174–192.
- Lo, N.C.H., P. E. Smith, and M. Takahashi. 2009. Chapter 6. Egg, larval and juveniles surveys in Fish Reproductive Biology. Implications for Assessment & Management edited by T. Jakobsen, M. J. Fogarty, B. A. Megrey, and E. Moksness. Wiley-Blackwell.
- Mason, J.W., G. J. McChesney, W. R. McIver, H. R. Carter, J. Y. Takekawa, R. T. Golightly, J. T. Ackerman, D. L. Orthmeyer, W. M. Perry, J. L. Yee, M. O. Pierson, and M. D. McCrary. 2009. At-sea distribution and abundance of seabirds off Southern California: A 20-year comparison. *The Auk.* 126(4):937–939.
- McClatchie, S., R. Goericke, F. B. Schwing, S. J. Bograd, W. T. Peterson, R. Emmett, R. Charter, W. Watson, N. Lo, K. Hill, C. Collins, M. Kahru, B. G. Mitchell, J. A. Koslow, J. Gomez-Valdes, B. E. Lavaniegos, G. Gaxiola-Castro, J. Gottschalk, M. L'Heureux, Y. Xue, M. Manzano-Sarabia, E. Bjorkstedt, S. Ralston, J. Field, L. Rogers-Bennett, L. Munger, G. Campbell, K. Merken, D. Camacho, A. Havron, A. Douglas, and J. Hildebrand. 2009. The state of the California Current, Spring 2008–2009: Cold conditions drive regional differences. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:43–68.
- Mitchell, B. G., and M. Kahru. 2009. Bio-optical algorithms for ADEOS-2 GLI. *Journal of the Remote Sensing Society of Japan*, 29(1): 80–85.
- Moore, A. M., H. G. Arango, E. Di Lorenzo, A. J. Miller, and B. D. Cornuelle. 2009. An adjoint sensitivity analysis of the Southern California Current circulation and ecosystem. *J. Phys. Ocean.* 39:702–720.
- Munger, L. M., D. Camacho, A. Havron, G. Campbell, J. Calambokidis, A. Douglas and J. Hildebrand. 2009. Baleen whale distribution relative to surface temperature and zooplankton abundance off Southern California, 2004–2008. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:155–168.

- Ohman, M. D., B. E. Lavanigos, and A.W. Townsend. 2009. Multi-decadal variations in calcareous holozooplankton in the California Current System: Thecosome pteropods, heteropods, and foraminifera. *Geophys. Res. Lett.* 36: L18608, doi:10.1029/2009GL039901.
- Peterson, W.T. 2009. Copepod species richness as an indicator of long-term changes in the coastal ecosystem of the Northern California Current. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:73–81.
- Rago, T.A., R. Michisaki, B. Marinovic, M. Blum, and K. Whitaker. 2009. Physical, nutrient, and biological measurements of coastal waters off Central California in January 2009. Report of the Naval Postgraduate School. 46 pp.
- Ralston, S., and B. R. MacFarlane. 2010. Population estimation of bocaccio (*Sebastes paucispinis*) based on larval production. *Can. J. Fish. Aquat. Sci.* 67: 1005–1020.
- Rosales-Casián, J.A., and C. Almeda-Jáuregui. 2009. Unusual occurrence of a green sturgeon, *Acipenser medirostris*, at El Socorro, Baja California, México. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:169–171.
- Rykaczewski, R. 2009. Influence of oceanographic variability on the planktonic prey and growth of sardine and anchovy in the California Current Ecosystem. PhD Thesis. Biological Oceanography. University of California San Diego. 137 pp.
- Suk, S. H., S. E. Smith, and D.A. Ramon. 2009. Bioaccumulation of mercury in pelagic sharks from the Northeast Pacific Ocean. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:172–177.
- Sydeman, W. J., K. L. Mills, J. A. Santora, S. A. Thompson, D. F. Bertram, K. H. Morgan, J. M. Hipfner, B. K. Wells, and S. G. Wolf. 2009. Seabirds and climate in the California Current—a synthesis of change. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:82–106.
- Weber, E., and S. McClatchie. 2009. rcalcofi: Analysis and visualization of CalCOFI data in R. *Calif. Coop. Oceanic Fish. Invest. Rep.* 50:178–185.
- Williamson, M., and J.A. McGowan. 2009–2010. The copepod communities of the North and South Pacific central gyres and the form of species-abundance distributions. *J. of Plankton Res.* 32:273–283.