

## In Press

- Castorani, M. C., D. C. Reed, F. Alberto, T. W. Bell, R. D. Simons, K. C. Cavanaugh, D. A. Siegel and P. T. Raimondi. Connectivity structures local populations dynamics: a long-term empirical test in a large metapopulation system. *Ecology*. (sbc-id: 1084)
- Emery, K., D. Harlow, A. C. Whitmer and S. D. Gaines. Compelling evidence: an influence on middle school students' accounts that may impact decision-making about socioscientific issues. *Environmental Education Research*. (sbc-id: 1168)
- Fewings, M. R., L. Washburn, C. Dorman, C. Gotschalk and K. Lombardo. Synoptic Forcing of Wind Relaxations at Pt. Conception, California. *J. Geophys Res.* (sbc-id: 1155)
- Hanan, E. J., C. L. Tague and J. P. Schimel. Nitrogen cycling and export in California chaparral: the role of climate in shaping ecosystem responses to fire. *Ecological Monographs* . (sbc-id: 1156)
- Lastra, M., J. Lopez, J. Troncoso, D. M. Hubbard and J. E. Dugan. Scavenger and burrowing features of *Hippa pacifica* (Dana 1852) on a range of tropical sandy beaches. *Marine Biology*. (sbc-id: 1226)
- Liebowitz, D., K. J. Nielsen, J. E. Dugan, S. G. Morgan, D. P. Malone, J. Largier, D. M. Hubbard and M. H. Carr. Ecosystem connectivity and trophic subsidies of beach ecosystems. *Ecosphere*. (sbc-id: 1157)
- Miller, R. J., H. M. Page and D. C. Reed. Trophic versus structural effects of a marine foundation species, giant kelp (*Macrocystis pyrifera*). *Oecologia*. (sbc-id: 1073)
- Osborne, E. B., R. C. Thunell, B. J. Marshall, J. A. Holm, E. J. Tappa, C. R. Benitez-Nelson, W. J. Cai and B. Chen. Calcification of the planktonic foraminifera *Globigerina bulloides* and carbonate ion concentration: Results from the Santa Barbara Basin. *Paleoceanography*. (sbc-id: 1158)
- O'Brien, M. C., D. Costa and M. Servilla. Ensuring the quality of data packages in the LTER network data management system. *Ecological Informatics*. (sbc-id: 1160)
- Rivest, E. B., M. C. O'Brien, L. Kapsenberg, C. Gotschalk, C. A. Blanchette, U. Hoshijima and G. E. Hofmann. Beyond the benchtop and the benthos: dataset management planning and design for time series of ocean carbonate chemistry associated with Durafet®-based pH sensors. *Ecological Informatics*. (sbc-id: 1159)
- Rodriguez, G. E., D. C. Reed and S. J. Holbrook. Blade life span, structural investment, and nutrient allocation in giant kelp. *Oecologia* . (sbc-id: 1152)
- Simms, A. R., L. Reynolds, M. Bentz, A. Roman, T. Rockwell and R. Peters. Tectonic subsidence of California estuaries increases forecasts of relative sea-level rise. *Estuaries and Coasts*. (sbc-id: 1161)

## Published Journal Articles and Chapters by Year

### 2016

- Abelson, A., B. S. Halpern, D. C. Reed, G. Kendrick, J. Belmaker, R. J. Orth, M. Beck, G. Krause, E. Airoidi, E. Brokovich, G. Edgar, R. France, N. Shashar, A. de Blaeij, M. Shechter and P. Nelson. 2016. Restoration of marine ecosystems: A need for ecological-social concept upgrade. *BioScience*, 66: 156-163. (sbc-id: 1143)
- Blanchette, C. A., M. D. Denny, J. M. Engle, B. Helmuth, L. P. Miller, K. J. Nielsen and K. Smith. 2016. Intertidal. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1141)
- Carr, M. H. and D. C. Reed. 2016. Shallow rocky reefs and kelp forests. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1007)
- Dugan, J. E. and D. M. Hubbard. 2016. Sandy beach ecosystems. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1008)
- Hanan, E. J., J. P. Schimel, K. Dowdy and C. D'Antonio. 2016. Effects of substrate supply, pH, and char on net nitrogen mineralization and nitrification along a wildfire-structured age gradient in chaparral. *Soil Biology and Biochemistry*, 95: 87-99. (sbc-id: 1146)
- Hanan, E. J., C. M. D'Antonio, D. A. Roberts and J. P. Schimel. 2016. Factors regulating nitrogen retention during the early stages of recovery from fire in coastal chaparral ecosystems. *Ecosystems*, 5: 910–926. (sbc-id: 1147)
- Holbrook, S. J. 2016. Kelp Forests, Coral Reefs and the LTER Program: Synergies and Impacts on a Scientific Career. in: *Long-Term Environmental Research: Changing the Nature of Scientists*. Walker, L. R. and M. R. M.R. Willig, eds. Oxford University Press. (sbc-id: 1139)
- Kapsenberg, L. and G. E. Hofmann. 2016. Ocean pH time-series and drivers of variability along the northern Channel Islands, California, USA. *Limnology and Oceanography* , 61: 953-968. (sbc-id: 1148)
- Kroeker, K. J., E. Sanford, J. M. Rose, C. A. Blanchette, F. Chan, F. P. Chavez, B. P. Gaylord, B. Helmuth, T. M. Hill, G. E. Hofmann, M. A. McManus, B. A. Menge, K. J. Nielsen, P. T. Raimondi, A. D. Russell and L. Washburn. 2016. Interacting environmental mosaics drive geographic variation in mussel performance and predation vulnerability. *Ecology Letters*, 7: 771–779. (sbc-id: 1149)
- Morton, D. N., T. W. Bell and T. W. Anderson. 2016. Spatial synchrony of amphipods in giant kelp forests. *Marine Biology*, 163: 32. (sbc-id: 1150)
- Okamoto, D. K. 2016. Competition among Eggs Shifts to Cooperation along a Sperm Supply Gradient in an External Fertilizer. *The American Naturalist*, 187: E129-E142. (sbc-id: 1166)
- Okamoto, D. K., R. J. Schmitt and S. J. Holbrook. 2016. Stochastic density effects on adult fish survival and implications for population fluctuation. *Ecology Letters*, 19: 153-162. (sbc-id: 1167)
- O'Brien, M. C. 2016. Evolution of an Information Manager. in: *Long-Term Environmental Research: Changing the Nature of Scientists*. Walker, L. R. and M. R. M.R. Willig, eds. Oxford University Press. (sbc-id: 1140)
- Power, M. E., S. J. Kupferberg, S. D. Cooper and M. L. Deas. 2016. Rivers. in: *Ecosystems of California – A source book*. Mooney, H. and E. Zavaleta, eds. University of California Press. (sbc-id: 1017)

- Reed, D. C., J. C. Nelson, S. Harrer and R. J. Miller. 2016. Estimating biomass of benthic kelp forest invertebrates from body size and percent cover data. *Marine Biology*, 163: 1-6. (sbc-id: 1151)
- Romero, L., D. A. Siegel, J. C. McWilliams, Y. Uchiyama and C. Jones. 2016. Characterizing storm water dispersion and dilution from small coastal streams. *J. Geophys. Res.*, 121: 3926–3943. (sbc-id: 1153)
- Simons, R. D., H. M. Page, S. Zaleski, R. J. Miller, J. E. Dugan, D. M. dschroeder and B. M. Doheny. 2016. The effects of anthropogenic structures on habitat connectivity and the potential spread of non-native invertebrate species in the offshore environment. *PloS One*, 11: e0152261. (sbc-id: 1154)
- Young, M. A., K. C. Cavanaugh, T. W. Bell, P. T. Raimondi, C. A. Edwards, P. T. Drake, L. Erikson and C. Storlazzi. 2016. Environmental controls on spatial patterns in the long-term persistence of giant kelp in central California. *Ecological Monographs*, 86: 45-60. (sbc-id: 1132)

## 2015

- Aristizabal, M. F., M. R. Fewings and L. Washburn. 2015. Contrasting spatial patterns in the diurnal and semidiurnal temperature variability in the Santa Barbara Channel, California. *J. Geophys. Res. Ocean*, 120: 427-440. (sbc-id: 1144)
- Bell, T. W., K. C. Cavanaugh and D. A. Siegel. 2015. Remote monitoring of giant kelp biomass and physiological condition: An evaluation of the potential for the Hyperspectral Infrared Imager (HypSIIRI) mission. *Remote Sensing of Environment*, 167: 218–228. (sbc-id: 1070)
- Bell, T. W., K. C. Cavanaugh, D. C. Reed and D. A. Siegel. 2015. Geographic variability in the controls of biomass dynamics of giant kelp. *Journal of Biogeography*, 42: 2010-2021. (sbc-id: 1082)
- Bograd, S. J., M. Pozo Buil, E. DiLorenzo, C. G. Castro, I. D. Schroeder, R. Goericke, C. R. Anderson, C. R. Benitez-Nelson and F. A. Whitney. 2015. Changes in source waters to the Southern California Bight. *Deep-Sea Research II*, 112: 42-52. (sbc-id: 1083)
- Brzezinski, M. A., J. Krause, R. M. Bundy, K. A. Barbeau, P. Franks, R. Goericke, M. R. Landry and M. R. Stukel. 2015. Enhanced silica ballasting from iron stress sustains carbon export in a frontal zone within the California Current. *Journal of Geophysical Research: Oceans*, 120: 4654-4669. (sbc-id: 1130)
- Cooper, S. D., H. M. Page, S. W. Wiseman, K. Klose, D. M. Bennett, T. Even, S. Sadro, C. E. Nelson and T. L. Dudley. 2015. Physicochemical and biological responses of streams to wildfire severity in riparian zones. *Freshwater Biology*, 60: 2600–2619. (sbc-id: 1085)
- D, M. ., K. J. La Pierre, S. L. Collins, A. K. Knapp, K. L. Gross, J. E. Barrett, S. D. Frey, L. Gough, R. J. Miller, J. T. Morris, L. E. Rustad and J. Yarie. 2015. Global environmental change and the nature of aboveground net primary productivity responses: insights from long-term experiments. *Oecologia*, 177: 935-947. (sbc-id: 1067)
- Dudley, K. L., P. E. Dennison, K. L. Roth, D. A. Roberts and A. R. Coates. 2015. Multi-temporal spectral library approach for mapping vegetation species across spatial and temporal phenological gradients. *Remote Sensing of Environment*, 167: 121-134. (sbc-id: 1086)
- Ejarque, A., R. S. Anderson, A. R. Simms and B. J. Gentry. 2015. Prehistoric fires and the shaping of colonial transported landscapes in southern California: a palaeoenvironmental study at Dune Pond, Santa Barbara County. *Quaternary Science Reviews*, 112: 181-196. (sbc-id: 1096)
- Emery, K., D. Harlow, A. C. Whitmer and S. D. Gaines. 2015. Confronting ambiguity in science. *The Science Teacher*, 82: 36-41. (sbc-id: 1088)
- Emery, N. and J. Lesage. 2015. Late Summer fog use in the drought deciduous shrub, *Artemisia californica* (Asteraceae). *Madrono, California Botanical Society*, 62: 150-157. (sbc-id: 1094)
- Fewings, M. R., L. Washburn and J. C. Ohlmann. 2015. Coastal water circulation patterns around the Northern Channel Islands and Point Conception, California. *Progress in Oceanography*, 138: 283-304. (sbc-id: 1145)
- Foster, M. ., J. E. Byrnes and D. C. Reed. 2015. Effects of five southern California macroalgal diets on consumption, growth, and gonad weight, in the purple sea urchin *Strongylocentrotus purpuratus*. *PeerJ*, 3: e719. (sbc-id: 1062)
- Guenther, C. ., D. L. Lopez-Carr and H. S. Lenihan. 2015. Differences in lobster fishing effort before and after MPA establishment. *Applied Geography*, 59: 78–87. (sbc-id: 1068)
- Johansson, M. F., F. Alberto, D. C. Reed, P. T. Raimondi, N. Coelho, M. Young, P. Drake, C. Edwards, K. C. Cavanaugh, J. Assis, L. Ladah, T. W. Bell, J. Coyer, D. A. Siegel and E. Serrao. 2015. Seascape drivers of *Macrocystis pyrifera* population genetic structure in the northeast Pacific. *Molecular Ecology*, 24: 4866–4885. (sbc-id: 1093)
- Kapsenberg, L., A. L. Kelley, L. A. Francis and S. B. Raskin. 2015. Exploring the complexity of ocean acidification: an ecosystem comparison of coastal pH variability. *Science Scope*, 39: 51-60. (sbc-id: 1090)
- Koenigs, C., R. J. Miller and H. M. Page. 2015. Top predators rely on carbon derived from giant kelp (*Macrocystis pyrifera*). *Marine Ecology Progress Series*, 537: 1-8. (sbc-id: 1071)
- Krause, J. ., M. A. Brzezinski, R. Goericke, M. R. Landry, M. D. mdohman, M. R. Stukel and A. G. Taylor. 2015. Variability in diatom contributions to biomass, organic matter production and export across a frontal gradient in the California Current Ecosystem. *Journal of Geophysical Research: Oceans*, 120: 1032-1047. (sbc-id: 1131)
- Lewis, R. J., M. K. Green and M. E. Afzal. 2015. Effects of chelated iron on oogenesis and vegetative growth of kelp gametophytes (*Phaeophyceae*). *Phycological Research*, 61: 46–51. (sbc-id: 1069)
- Ling, S. D., R. E. Scheibling, A. Rassweiler, C. R. Johnson, N. Shears, S. D. Connell, A. K. Salomon, K. M. Norderhaug, A. Perez-Matus, J. C. Hernandez, S. Clemente, L. K. Blamey, B. Hereu, E. Ballesteros, E. Sala, J. Garrabou, E. Cebrian, M. Zabala, D. Fujita and L. E. Johnson. 2015. Global regime shift dynamics of catastrophic sea urchin overgrazing. *Philosophical Transactions of the Royal Society B*, 370: 20130269. (sbc-id: 1061)
- Marks, L. M., P. Salinas-Ruiz, D. C. Reed, S. J. Holbrook, C. Culver, J. Engle, D. Kushner, J. E. Caselle, J. Freiwald, J. Smith, L. Aguilar and N. Kaplanis. 2015. Range expansion of a non-native, invasive macroalga *Sargassum horneri* in the eastern Pacific. *Bioinvasions Records*, 4: 243-248. (sbc-id: 1072)

- Reed, D. C., A. R. Rassweiler, R. J. Miller, H. M. Page and S. J. Holbrook. 2015. The value of a broad temporal and spatial perspective in understanding dynamics of kelp forest ecosystems. *Marine and Freshwater Research*, 67: 14-24. (sbc-id: 1024)
- Reed, D. C., C. A. Carlson, E. R. Halewood, J. C. Nelson, S. Harrer, A. R. Rassweiler and R. J. Miller. 2015. Patterns and controls of reef-scale production of dissolved organic carbon by giant kelp *Macrocystis pyrifera*. *Limnology and Oceanography*, 60: 1996–2008. (sbc-id: 1074)
- Reynolds, L. C. and A. R. Simms. 2015. Late Quaternary relative sea level in Southern California and Monterey Bay. *Quaternary Science Reviews*, 126: 57-66. (sbc-id: 1142)
- Roberts, D. A., P. Dennison, K. Roth, K. L. Dudley and G. Hulley. 2015. Relationships Between Dominant Plant Species, Fractional Cover and Land Surface Temperature in a Mediterranean Ecosystem. *Remote Sensing of Environment*, 167: 152–167. (sbc-id: 1076)
- Rodil, I., E. Jaramillo, D. M. Hubbard, J. E. Dugan, D. Melnick and C. Valasquez. 2015. Responses of dune plant communities to continental uplift from a major earthquake: sudden releases from coastal squeeze. *PLoS ONE*. (sbc-id: 1075)
- Schroeter, S. C., D. C. Reed and P. T. Raimondi. 2015. Effects of physical characteristics of reef structure on colonization and subsequent community development. *Marine Ecology Progress Series*, 540: 43-55. (sbc-id: 1077)
- Simons, R. D., M. M. Nishimoto, L. Washburn, K. Brown and D. A. Siegel. 2015. Linking kinematic characteristics and high concentrations of small pelagic fish in a coastal mesoscale eddy. *Deep-Sea Res*, 100: 34-37. (sbc-id: 1078)
- Warrick, J., J. M. Melack and B. M. Goodridge. 2015. Sediment yields from small, steep coastal watersheds of California. *Journal of Hydrology*, 4, part B: 516-534. (sbc-id: 1095)
- Wear, E. K., C. A. Carlson, L. Windecker and M. A. Brzezinski. 2015. Roles of diatom nutrient stress and species identity in determining the short-and long-term bioavailability of diatom exudates to bacterioplankton. *Marine Chemistry*, 172: 335-348. (sbc-id: 1218)
- Young, M. A. and M. H. Carr. 2015. Application of species distribution models to explain and predict the distribution, abundance and assemblage structure of nearshore temperate marine fishes. *Diversity and Distributions*, 21: 1428–1440. (sbc-id: 1164)
- Young, M. A. and M. H. Carr. 2015. Assessment of habitat representation across a network of marine protected areas with implications for the spatial design of monitoring. *PLoS ONE*, 10: e0116200. (sbc-id: 1165)

## 2014

- Barrón, R. K., D. A. Siegel and N. Guillocheau. 2014. Evaluating the importance of phytoplankton community structure to the optical properties of the Santa Barbara Channel, California. *Limnology and Oceanography*, 59: 927-946. (sbc-id: 897)
- Batista, F., A. Ravelo, J. Crusius, M. Casso and M. McCarthy. 2014. Compound specific amino acid  $\delta^{15}N$  in marine sediments: a new approach for studies of the marine nitrogen cycle. *Geochimica et Cosmochimica Acta*, 14: 553-569. (sbc-id: 1080)
- Berriman, J. S., M. C. Kay, D. C. Reed, A. R. Rassweiler, D. A. Goldstein and W. G. Wright. 2014. Shifts in attack behavior of an important kelp forest predator within marine reserves. *Marine Ecology Progress Series*, 522: 193–201. (sbc-id: 1066)
- Cavanaugh, K. C., D. A. Siegel, P. T. Raimondi and F. Alberto. 2014. Patch definition in metapopulation analysis: a graph theory approach to solve the mega-patch problem. *Ecology*, 95: 316–328. (sbc-id: 900)
- Collins, D. G. and J. M. Melack. 2014. Biological and chemical responses in a temporarily open/closed estuary to variable freshwater inputs. *Hydrobiologia*, 743: 97-113. (sbc-id: 1016)
- Deutsch, C., W. Berelson, R. C. Thunell, T. Weber, C. Tems, J. McManus, J. Crusius, T. Ito, T. Baumgartner, V. Ferreira, J. Mey and A. Van Geen. 2014. Centennial changes in North Pacific anoxia linked to tropical trade winds. *Science*, 345: 665-668. (sbc-id: 1009)
- Emery, K. 2014. Autobiographical Sketch in: *Women in Oceanography: A Decade Later*. *Oceanography*, 27(4): supplement. (sbc-id: 1089)
- Gaitán-Espitia, J. D., J. R. Hancock, J. L. Padilla-Gamiño, E. B. Rivest, C. A. Blanchette, D. C. Reed and G. E. Hofmann. 2014. Interactive effects of elevated temperature and pCO<sub>2</sub> on early-life-history stages of the giant kelp *Macrocystis pyrifera*. *Journal of Experimental Marine Biology and Ecology*, 457: 51-58. (sbc-id: 1004)
- Goodridge, B. M. and J. M. Melack. 2014. Temporal evolution and variability of dissolved inorganic nitrogen in beach pore water revealed using radon residence times. *Environmental Science and Technology*, 48: 14211-14218. (sbc-id: 1059)
- Higgs, E., D. A. Falk, A. Guerrini, M. Hall, J. Harris, R. J. Hobbs, S. T. Jackson, J. M. Rhumtulla and W. Throop. 2014. The changing role of history in restoration ecology. *Frontiers in Ecology and the Environment*, 12: 499-506. (sbc-id: 1063)
- Hofmann, G. E., T. G. Evans, M. W. Kelly, J. L. Padilla-Gamiño, C. A. Blanchette, L. Washburn, F. Chan, M. A. McManus, B. A. Menge, B. Gaylord, T. M. Hill, E. Sanford, M. LaVigne, J. Rose, L. Kapsenberg and J. M. Dutton. 2014. Exploring local adaptation and the ocean acidification seascape – studies in the California Current Large Marine Ecosystem. *Bio-geoscience*, 11: 1053-1064. (sbc-id: 1010)
- Hubbard, D. M., J. E. Dugan, N. K. Schooler and S. Viola. 2014. Local extirpations and regional declines of endemic upper beach invertebrates in southern California. *Estuarine, Coastal and Shelf Science*, 150: 67-75. (sbc-id: 904)
- Lafferty, K. D. and M. T. Tinker. 2014. Sea otters are recolonizing southern California in fits and starts. *Ecosphere*, 5(5): 50. (sbc-id: 1005)
- Moore, S. D., D. Haviland, A. Whitmer and J. Brady. 2014. CoastLines: Commitment, Comfort, Competence, Empowerment, and Relevance in Professional Development. in: *Teaching Science and Investigating Environmental Issues with Geospatial Technology: Designing Effective Professional Development for Teachers*. MaKinster, J., N. Trautman and M. Barnett, eds. Springer Science +Business Media B.V.. (sbc-id: 1002)
- Schlacher, T. S., A. R. Jones, J. E. Dugan, M. Weston, L. Harris, D. S. Schoeman, D. Hubbard, F. Scapini, R. Nel, M. Lastra, A. McLachlan and C. H. Peterson. 2014. Open-coast sandy beaches and coastal dunes. in: *Coastal Conservation*. Maslo, B. and J. L. Lockwood, eds. Cambridge University Press. (sbc-id: 926)
- Schlacher, T. S., D. S. Schoeman, A. R. Jones, J. E. Dugan, D. M. Hubbard, O. Defeo, C. H. Peterson, M. Weston, B. Maslo, A. D. Olds, F. Scapini, R. Nel, L. R. Harris, S. Lucrezi, M. Lastra, C. M. Huijbers and R. M. Connolly. 2014. Metrics to assess ecological condition, change, and impacts in sandy beach ecosystems. *Journal of Environmental management*, 144: 322-335. (sbc-id: 1013)
- Schooler, N. K., J. E. Dugan and D. M. Hubbard. 2014. Detecting change in intertidal species richness over time on sandy beaches: calibrating across sampling designs. *Estuarine, Coastal and Shelf Science*, 150: 58-66. (sbc-id: 999)

- Viola, S., J. E. Dugan, D. M. Hubbard and N. K. Schooler. 2014. Burrowing inhibition by fine textured beach fill: Implications for recovery of beach ecosystems. *Estuarine, Coastal and Shelf Science*, 150: 142-148. (sbc-id: 916)
- Wilson, J. R., S. R. Valencia, M. C. Kay and H. S. Lenihan. 2014. Integration of no-take marine reserves in the assessment of data-limited fisheries. *Conservation Letters*, 5: 451-458. (sbc-id: 1001)

## 2013

- Alber, M., D. Reed and K. J. McGlathery. 2013. Coastal long term ecological research: Introduction to the special issue. *Oceanography*, 26(3): 14-17. (sbc-id: 896)
- Assis, J., N. C. Coelho, F. Alberto, M. Valero, P. Raimondi, D. C. Reed and E. A. Serrão. 2013. High and distinct range-edge genetic diversity despite local bottlenecks. *PLOS One*, 8(7): e68646. (sbc-id: 1006)
- Brzezinski, M. A., D. C. Reed, S. Harrer, A. Rassweiler, J. M. Melack, B. Goodridge and J. E. Dugan. 2013. Multiple sources and forms of nitrogen sustain year-round kelp growth on the inner continental shelf of the Santa Barbara Channel. *Oceanography*, 26(3): 114-123. (sbc-id: 898)
- Byrnes, J. E., B. J. Cardinale and D. C. Reed. 2013. Interactions between sea urchin grazing and prey diversity on temperate rocky reef communities. *Ecology*, 94(7): 1636-1646. (sbc-id: 899)
- Carney, L. T., A. J. Bohonak, M. S. Edwards and F. Alberto. 2013. Genetic and experimental evidence for a mixed age, mixed origin bank of kelp microscopic stages in southern California. *Ecology*, 94(9): 1955-1965. (sbc-id: 814)
- Cavanaugh, K. C., B. E. Kendall, D. A. Siegel, D. C. Reed, F. Alberto and J. Assis. 2013. Synchrony in dynamics of giant kelp forests is driven by both local recruitment and regional environmental controls. *Ecology*, 94 (2): 499-509. (sbc-id: 832)
- Chen, X., N. Emery, E. Garcia, E. J. Hanan, H. Hodges, T. Martin, M. Meyers, L. Peavey, H. Peng, F. jsantamaria, K. Uyeda, S. Anderson and C. L. Tague. 2013. Perspectives on disconnects between scientific information and management decisions on post-fire recovery in western US. *Environmental Management*, 52: 1415. (sbc-id: 1215)
- Colman, B. P. and J. P. Schimel. 2013. Drivers of microbial respiration and net N mineralization at the continental scale. *Soil Biology and Biochemistry*, 60: 65-76. (sbc-id: 854)
- Coombs, J. S. and J. M. Melack. 2013. The initial impacts of a wildfire on hydrology and suspended sediment and nutrient export in California chaparral watersheds. *Hydrological Processes*, 26: 3842-3851. (sbc-id: 833)
- Cooper, S. D., P. S. Lake, S. Sabater, J. M. Melack and J. L. Sabo. 2013. The effects of land use changes on streams and rivers in Mediterranean climates. *Hydrobiologia*, 719: 383-425. (sbc-id: 901)
- Dugan, J. E., D. M. Hubbard and B. J. Quigley. 2013. Beyond beach width: Steps toward identifying and integrating ecological envelopes with geomorphic features and datums for sandy beach ecosystems. *Geomorphology*, 199: 95-105. (sbc-id: 853)
- Foster, M. S., D. C. Reed, M. H. Carr, P. K. Dayton, D. P. Malone, J. S. Pearse and L. Rogers-Bennett. 2013. Kelp forests in California. in: *Research and Discoveries: The Revolution of Science Through SCUBA*. Lang, M. A., R. L. Marinelli, S. J. Roberts and P. R. Taylor, eds. Smithsonian Contributions to the Marine Sciences, Smithsonian Institution Press. (sbc-id: 819)
- Harrer, S. L., D. C. Reed, R. J. Miller and S. J. Holbrook. 2013. Patterns and controls of the dynamics of net primary production by understory macroalgal assemblages in giant kelp forests. *Journal of Phycology*, 49: 248-257. (sbc-id: 852)
- Harrison, C. S., D. A. Siegel and S. Mitarai. 2013. Filamentation and eddy-eddy interactions in marine larval accumulation and transport. *Marine Ecology Progress Series*, 472: 27-44. (sbc-id: 902)
- Hofmann, G. E., C. A. Blanchette, E. B. Rivest and L. Kapsenberg. 2013. Taking the pulse of marine ecosystems: the importance of coupling long-term physical and biological observation in the context of global change biology. *Oceanography*, 26(3): 140-148. (sbc-id: 903)
- Johansson, M. L., P. T. Raimondi, D. C. Reed, N. C. Coelho, E. A. Serrão and F. A. Alberto. 2013. Looking into the black box: simulating the role of self-fertilization and mortality in the genetic structure of *Macrocystis pyrifera*. *Molecular Ecology*, 22: 4842-4854. (sbc-id: 998)
- Kelly, M. W., J. L. Padilla-Gamiño and G. E. Hofmann. 2013. Natural variation and the capacity to adapt to ocean acidification in the keystone sea urchin *Strongylocentrotus purpuratus*. *Global Change Biology*, 19: 2536-2546. (sbc-id: 856)
- Kenner, M. C., J. A. Estes, M. T. Tinker, J. L. Bodkin, R. K. Cowen, C. Harrold, B. B. Hatfield, M. Novak, A. Rassweiler and D. C. Reed. 2013. A multi-decade time series of kelp forest community structure at San Nicolas Island, California. *Ecology*, 94(11): 2654. (sbc-id: 906)
- Kim, S. Y., E. J. Terrill, B. D. Cornuelle, B. Jones, L. Washburn, M. A. Moline, J. D. Paduan, N. Garfield, J. L. Largier, G. Crawford and P. M. Kosro. 2013. Poleward propagating subinertial alongshore surface currents off the U.S. West Coast. *Journal of Geophysical Research - Oceans*, 118: 1-16. (sbc-id: 1011)
- Klose, K. and S. D. Cooper. 2013. Complex impacts of an invasive omnivore and native consumers on stream communities in California and Hawaii. *Oecologia*, 171 (4): 945-960. (sbc-id: 843)
- Krause, J. W., M. A. Brzezinski, D. A. Siegel and R. C. Thunell. 2013. Biogenic silica standing stock and export in the Santa Barbara Channel ecosystem. *Journal of Geophysical Research: Oceans*, 118: 736-749. (sbc-id: 851)
- Kushner, D. J., A. Rassweiler, J. McLaughlin and K. Lafferty. 2013. A multi-decade time series of kelp forest community structure at the California Channel Islands. *Ecology*, 94: 2655. (sbc-id: 1012)
- Lafferty, K. D., J. P. McLaughlin and J. E. Dugan. 2013. Novel foraging in the swash zone on pacific sand crabs (*Emerita analoga*, Hippidae) by mallards. *The Wilson Journal of Ornithology*, 125(2): 423-426. (sbc-id: 907)
- Miller, R. J., H. M. Page and M. A. Brzezinski. 2013. delta C-13 and delta N-15 of particulate organic matter in the Santa Barbara Channel: drivers and implications for trophic inference. *Marine Ecology Progress Series*, 474: 53-66. (sbc-id: 850)
- Nelson, C. E., D. M. Bennett and B. J. Cardinale. 2013. Consistency and sensitivity of stream periphyton community structural and functional responses to nutrient enrichment. *Ecological Applications*, 23: 159-173. (sbc-id: 835)

- Padilla-Gamiño, J. L., M. W. Kelly, T. G. Evans and G. E. Hofmann. 2013. Temperature and CO<sub>2</sub> additively regulate physiology, morphology and genomic responses of larval sea urchins, *Strongylocentrotus purpuratus*. *Proceedings of the Royal Society B*, 280 no. 1759: 220130155. (sbc-id: 855)
- Paduan, J. D. and L. Washburn. 2013. High-frequency radar observations of ocean surface currents. *Annual Review of Marine Science*, 5: 115-136. (sbc-id: 909)
- Page, H. M., A. J. Brooks, M. Kulbicki, R. Galzin, R. J. Miller, D. C. Reed, R. J. Schmitt, S. J. Holbrook and C. Koenigs. 2013. Stable isotopes reveal trophic relationships and diet of consumers in temperate kelp forest and coral reef ecosystems. *Oceanography*, 26(3): 180-189. (sbc-id: 910)
- Rassweiler, A., C. Costello and D. A. Siegel. 2013. Marine protected areas and the value of spatially optimized fishery management. *Proceedings of the National Academy of Sciences*, 109(29): 11884-11889. (sbc-id: 911)
- Robinson, T. H. and J. M. Melack. 2013. Modeling nutrient export from coastal California watersheds. *Journal of the American Water Resource Association*, 49(4): 739-809. (sbc-id: 923)
- Rodriguez, G. E., A. Rassweiler, D. C. Reed and S. J. Holbrook. 2013. The importance of progressive senescence in the biomass dynamics of giant kelp (*Macrocystis pyrifera*). *Ecology*, 94(8): 1848-1858. (sbc-id: 912)
- Romero, L., Y. Uchiyama, J. C. Ohlmann, J. C. McWilliams and D. A. Siegel. 2013. Simulations of nearshore particle-pair dispersion in Southern California. *Journal of Physical Oceanography*, 43: 1862-1879. (sbc-id: 913)
- Simons, R. D., D. A. Siegel and K. S. Brown. 2013. Model sensitivity and robustness in the estimation of larval transport: a study of particle tracking parameters. *Journal of Marine Systems*, 119-120: 19-29. (sbc-id: 915)
- Verkaik, I., M. Rieradevall, S. D. Cooper, J. M. Melack, T. L. Dudley and N. Prat. 2013. Fire as a disturbance in Mediterranean climate streams. *Hydrobiologia*, 719: 353-382. (sbc-id: 841)
- Washburn, L. and E. E. McPhee-Shaw. 2013. Coastal transport processes affecting inner-shelf ecosystems in the California current system. *Oceanography*, 26(3): 34-43. (sbc-id: 917)
- White, J. W., A. J. Scholz, A. Rassweiler, C. Steinback, L. W. Botsford, S. Kruse, C. Costello, S. Mitarai, D. A. Siegel, P. T. Drake and C. A. Edwards. 2013. A comparison of approaches used for economic analysis in marine protected area network planning in California. *Ocean and Coastal Management*, 74: 77-89. (sbc-id: 919)
- Yorke, C. E., R. J. Miller, H. M. Page and D. C. Reed. 2013. The relative importance of kelp detritus as a component of suspended particulate organic matter in giant kelp (*Macrocystis pyrifera*) forests. *Marine Ecology Progress Series*, 493: 113-125. (sbc-id: 1014)

## 2012

- Barnard, P. L., D. M. Hubbard and J. E. Dugan. 2012. Beach response dynamics of a littoral cell using a 17-year single-point time series of sand thickness. *Geomorphology*, 139-140: 588-598. (sbc-id: 806)
- Gaylord, B., K. J. Nickols and L. Jurgens. 2012. Roles of transport and mixing processes in kelp forest ecology. *Journal of Experimental Biology*, 215: 997-1007. (sbc-id: 824)
- Goodman, J., M. A. Brzezinski, E. R. Halewood and C. A. Carlson. 2012. Sources of phytoplankton to the inner continental shelf in the Santa Barbara Channel inferred from cross-shelf gradients in biological, physical and chemical parameters. *Continental Shelf Research*, 48: 27-39. (sbc-id: 834)
- Goodridge, B. M. and J. M. Melack. 2012. Land use control of stream nitrate concentrations in mountainous coastal California watersheds. *Journal of Geophysical Research*, 117: G02005. (sbc-id: 823)
- Guenther, C. M., H. S. Lenihan, L. E. Grant, D. Lopez-Carr and D. C. Reed. 2012. Trophic cascades induced by lobster fishing are not ubiquitous in Southern California kelp forests. *PLoS ONE*, 7(11): e49396. (sbc-id: 849)
- Halewood, E. R., C. A. Carlson, M. A. Brzezinski, D. C. Reed and J. Goodman. 2012. Annual cycle of organic matter partitioning and its availability to bacteria across the Santa Barbara Channel continental shelf. *Aquatic Microbial Ecology*, 67: 189-209. (sbc-id: 829)
- Jaramillo, E., J. E. Dugan, D. M. Hubbard, D. Melnick, M. Manzano, C. Duarte, C. Campos and R. Sanchez. 2012. Ecological implications of extreme events: Footprints of the 2010 earthquake along the Chilean coast. *PLoS ONE*, 7 (5): e35348. (sbc-id: 822)
- Kay, M. C., H. S. Lenihan, C. M. Guenther, J. R. Wilson, C. J. Miller and S. W. Shroud. 2012. Collaborative assessment of California spiny lobster population and fishery responses to a marine reserve network. *Ecological Applications*, 22: 322-335. (sbc-id: 716)
- Kay, M. C., H. S. Lenihan, M. Kotchen and C. J. Miller. 2012. Effects of marine reserves on California spiny lobster are robust and modified by fine-scale habitat features and distance from reserve borders. *Marine Ecology Progress Series*, 451: 137-150. (sbc-id: 815)
- Kay, M. C. and J. R. Wilson. 2012. Spatially explicit mortality of California spiny lobster (*Panulirus interruptus*) across a marine reserve network. *Environmental Conservation*, 39(3): 215-224. (sbc-id: 905)
- Klose, K. and S. D. Cooper. 2012. Contrasting effects of an invasive crayfish species on two temperate stream communities. *Freshwater Biology*, 57: 526-540. (sbc-id: 720)
- Klose, K., S. D. Cooper, A. D. Leydecker and J. Kreitler. 2012. Relationships among catchment land use and concentrations of nutrients, algae, and dissolved oxygen in a southern California river. *Freshwater Science*, 31: 908-927. (sbc-id: 828)
- Kostadinov, T. S., D. A. Siegel, S. Maritorea and N. Guillocheau. 2012. Optical assessment of particle size and composition in the Santa Barbara Channel, California. *Applied Optics*, 51: 3171-3189. (sbc-id: 818)
- Miller, R. J., S. Harrer and D. C. Reed. 2012. Addition of species abundance and performance predicts community primary production of macroalgae. *Oecologia*, 168: 797-806. (sbc-id: 816)
- Miller, R. J. and H. M. Page. 2012. Kelp as a trophic resource for marine suspension feeders: a review of isotope-based evidence. *Marine Biology*, 159 (7): 1391-1402. (sbc-id: 825)
- Nickols, K. J., B. Gaylord and J. L. Largier. 2012. The coastal boundary layer: predictable current structure decreases alongshore transport and alters scales of dispersal. *Marine Ecology Progress Series*, 464: 17-35. (sbc-id: 836)
- Ohlmann, J. C., J. H. LaCasce, L. Washburn, A. J. Mariano and B. Emery. 2012. Relative dispersion observations and trajectory modeling in the Santa Barbara Channel. *Journal of Geophysical Research Oceans*, 117: C05040. (sbc-id: 837)

- Okamoto, D. K., R. J. Schmitt, S. J. Holbrook and D. C. Reed. 2012. Fluctuations in food supply drive recruitment variation in a marine fish. *Proceedings of the Royal Society B*, 279 no. 1747: 4542-4550. (sbc-id: 838)
- Schooler, N. K., J. E. Dugan and H. M. Page. 2012. First host record for the parasitoid rove beetle, *Aleochara sulcicollis* Mannerheim, 1843 (Coleoptera: Staphylinidae) on the intertidal kelp fly *Fucellia rufitibia* Stein 1910 (Diptera: Anthomyiidae). *The Coleopterist Bulletin*, 66(4): 315-318. (sbc-id: 845)
- Shields, C. A. and C. L. Tague. 2012. Assessing the role of parameter and input uncertainty in ecohydrologic modeling: implications for a semi-arid and urbanizing coastal California catchment. *Ecosystems*, 15(5): 775-791. (sbc-id: 827)
- Watson, J. R., B. E. Kendall, D. A. Siegel and S. Mitarai. 2012. Changing seascapes, stochastic connectivity, and marine metapopulation dynamics. *The American Naturalist*, 180(1): 99-112. (sbc-id: 918)

## 2011

- Alberto, F., P. T. Raimondi, D. C. Reed, J. R. Watson, D. A. Siegel, S. Mitarai, N. C. Coelho and E. A. Serrão. 2011. Isolation by oceanographic distance explains genetic structure for *Macrocystis pyrifera* in the Santa Barbara Channel. *Molecular Ecology*, 20(12): 2543-2554. (sbc-id: 699)
- Anderson, C. R., R. M. Kudela, C. R. Benitez-Nelson, E. Sekula-Wood, C. T. Burrell, Y. Chao, G. Langlois, J. Goodman and D. A. Siegel. 2011. Detecting toxic diatom blooms from ocean color and a regional ocean model. *Geophysical Research Letters*, 38: L04603. (sbc-id: 700)
- Beck, M. W., R. D. Brumbaugh, L. Airoidi, A. Carranza, L. D. Coen, C. Crawford, O. Defeo, G. J. Edgar, B. Hancock, M. C. Kay, H. S. Lenihan, M. W. Luckenbach, C. L. Toropova, G. F. Zhang and X. M. Guo. 2011. Oyster Reefs at Risk and Recommendations for Conservation, Restoration, and Management. *Bioscience*, 61: 107-116. (sbc-id: 701)
- Bestelmeyer, B. T., A. M. Ellison, W. R. Fraser, K. B. Gorman, S. J. Holbrook, C. M. Laney, M. D. Ohman, D. P. C. Peters, F. C. Pillsbury, A. Rassweiler, R. J. Schmitt and S. Sharma. 2011. Analysis of abrupt transitions in ecological systems. *Ecosphere*, 2: art129. (sbc-id: 807)
- Brzezinski, M. A. and L. Washburn. 2011. Phytoplankton primary productivity in the Santa Barbara Channel: Effects of wind-driven upwelling and mesoscale eddies. *Journal of Geophysical Research*, 116: c12013. (sbc-id: 702)
- Byrnes, J. E., D. C. Reed, B. J. Cardinale, K. C. Cavanaugh, S. J. Holbrook and R. J. Schmitt. 2011. Climate-driven increases in storm frequency simplify kelp forest food webs. *Global Change Biology*, 17(8): 2513-2524. (sbc-id: 703)
- Cao, Y. P., L. C. Werfhorst, B. Sercu, J. L. S. Murray and P. A. Holden. 2011. Application of an integrated community analysis approach for microbial source tracking in a coastal creek. *Environmental Science and Technology*, 45 (17): 7195-7201. (sbc-id: 831)
- Cao, Y., C. H. Wu, G. L. Andersen and P. A. Holden. 2011. *Community Analysis-Based Methods*. in: Microbial Source Tracking: Methods, Applications, and Case Studies. Hagedorn, C., A. R. Blanch and V. J. Harwood, eds. Springer. (sbc-id: 846)
- Carney, L. T. 2011. A multispecies laboratory assessment of rapid sporophyte recruitment from delayed kelp gametophytes. *Journal of Phycology*, 47(2): 244-251. (sbc-id: 704)
- Cavanaugh, K. C., D. A. Siegel, D. C. Reed and P. E. Dennison. 2011. Environmental controls of giant-kelp biomass in the Santa Barbara Channel, California. *Marine Ecology-Progress Series*, 429: 1-17. (sbc-id: 705)
- Collins, S. L., S. R. Carpenter, S. M. Swinton, D. E. Orenstein, D. L. Childers, T. L. Gragson, N. B. Grimm, J. M. Grove, S. L. Harlan, J. P. Kaye, A. K. Knapp, G. P. Kofinas, J. J. Magnuson, W. H. McDowell, J. M. Melack, L. A. Ogden, G. P. Robertson, M. D. Smith and A. C. Whitmer. 2011. An integrated conceptual framework for long-term social-ecological research. *Frontiers in Ecology and the Environment*, 9: 351-357. (sbc-id: 706)
- Dawson, M. N., P. H. Barber, L. I. Gonzalez-Guzman, R. J. Toonen, J. E. Dugan and R. K. Grosberg. 2011. Phylogeography of *Emerita analoga* (Crustacea, Decapoda, Hippidae), an eastern Pacific Ocean sand crab with long-lived pelagic larvae. *Journal of Biogeography*, 38(8): 1600-1612. (sbc-id: 708)
- Dugan, J. E., L. Airoidi, M. G. Chapman, S. Walker and T. A. Schlacher. 2011. Estuarine and Coastal Structures: Environmental Effects: a focus on shore and nearshore structures. in: Treatise on Estuarine and Coastal Science, Volume 8. Wolanski, E. and D. S. McLusky, eds. Academic Press. (sbc-id: 644)
- Dugan, J. E., D. M. Hubbard, H. M. Page and J. P. Schimel. 2011. Marine macrophyte wrack inputs and dissolved nutrients in beach sands. *Estuaries and Coasts*, 34: 839-850. (sbc-id: 646)
- Hofmann, G. E., J. E. Smith, K. S. Johnson, U. Send, L. A. Levin, F. Micheli, A. Paytan, N. N. Price, B. Peterson, Y. Takeshita, P. G. Matson, E. D. Crook, K. J. Kroeker, M. C. Gambi, E. B. Rivest, C. A. Frieder, P. C. Yu and T. R. Martz. 2011. High-frequency dynamics of ocean pH: A multi-ecosystem comparison. *PLoS ONE*, 6(12): e28983. (sbc-id: 804)
- Hubbard, D. M. and J. E. Dugan. 2011. Beach grooming and the loss of coastal strand habitats in southern California. Sandy beaches and coastal zone management - Proceedings of the fifth International Symposium on Sandy Beaches (October 2009), *Bulletin de l'Institute Scientifique, Rabat, Morocco*, 6: 119-120. (sbc-id: 710)
- Kay, M. C., H. S. Lenihan and J. R. Wilson. 2011. Managing the cost of vessel insurance as a barrier to cooperative fisheries research in California. *California Fish and Game Scientific Journal*, 96: 33-49. (sbc-id: 649)
- Kim, S. Y., E. J. Terrill, B. D. Cornuelle, B. H. Jones, L. Washburn, M. A. Moline, J. D. Paduan, N. Garfield, J. L. Largier, G. B. Crawford and P. M. Kosro. 2011. Mapping the U.S. West Coast surface circulation: A multiyear analysis of high-frequency radar observations. *Journal of Geophysical Research-Oceans*, 116: C03011. (sbc-id: 718)
- Klose, K. 2011. Snail responses to cues produced by an invasive decapod predator. *Invertebrate Biology*, 130: 226-235. (sbc-id: 719)
- Melack, J. M., A. C. Finzi, D. A. Siegel, S. MacIntyre, C. E. Nelson, A. K. Aufdenkampe and M. L. Pace. 2011. Improving biogeochemical knowledge through technological innovation. *Frontiers in Ecology and the Environment*, 9: 37-43. (sbc-id: 722)
- Miller, R. J., D. C. Reed and M. A. Brzezinski. 2011. Partitioning of primary production among giant kelp (*Macrocystis pyrifera*), understory macroalgae, and phytoplankton on a temperate reef. *Limnology and Oceanography*, 56: 119-132. (sbc-id: 723)

- Mislan, K. A. S., C. A. Blanchette, B. R. Broitman and L. Washburn. 2011. Spatial variability of emergence, splash, surge, and submergence in wave-exposed rocky-shore ecosystems. *Limnology and Oceanography*, 56: 857-866. (sbc-id: 724)
- Nelson, C. E. and C. A. Carlson. 2011. Differential response of high-elevation planktonic bacterial community structure and metabolism to experimental nutrient enrichment. *PLoS ONE*, 6(3): e18320. (sbc-id: 817)
- Rassweiler, A. R. and T. Rassweiler. 2011. Does rapid scavenging hide non-predation mortality in coral-reef communities?. *Marine and Freshwater Research*, 62: 510-515. (sbc-id: 728)
- Reed, D. C., A. R. Rassweiler, M. H. Carr, K. C. Cavanaugh, D. P. Malone and D. A. Siegel. 2011. Wave disturbance overwhelms top-down and bottom-up control of primary production in California kelp forests. *Ecology*, 92: 2108-2116. (sbc-id: 729)
- Revell, D. L., J. E. Dugan and D. M. Hubbard. 2011. Physical and ecological responses of sandy beaches to the 1997-98 El Niño. *Journal of Coastal Research*, 27(4): 718-730. (sbc-id: 560)
- Sercu, B., L. C. Van De Werfhorst, J. L. S. Murray and P. A. Holden. 2011. Cultivation-Independent Analysis of Bacteria in IDEXX Quanti-Tray/2000 Fecal Indicator Assays. *Applied and Environmental Microbiology*, 77: 627-633. (sbc-id: 730)
- Sercu, B., L. C. Van De Werfhorst, J. L. S. Murray and P. A. Holden. 2011. Terrestrial sources homogenize bacterial water quality during rainfall in two urbanized watersheds in Santa Barbara, CA. *Microbial Ecology*, 62(3): 574-583. (sbc-id: 840)
- Washburn, L., M. R. Fewings, C. Melton and C. Gotschalk. 2011. The propagating response of coastal circulation due to wind relaxations along the central California coast. *Journal of Geophysical Research*, 116: C12028. (sbc-id: 805)
- Watson, J. R., C. G. Hays, P. T. Raimondi, S. Mitarai, C. M. Dong, J. C. McWilliams, C. A. Blanchette, J. E. Caselle and D. A. Siegel. 2011. Currents connecting communities: nearshore community similarity and ocean circulation. *Ecology*, 92: 1193-1200. (sbc-id: 732)
- Watson, J. R., D. A. Siegel, B. E. Kendall, S. Mitarai, A. Rassweiler and S. Gaines. 2011. Identifying critical regions in small-world marine metapopulations. *Proceedings of the National Academy of Sciences*, 108 (43): E907-E913. (sbc-id: 842)
- Yu, P. C., P. G. Matson, T. R. Martz and G. E. Hofmann. 2011. The ocean acidification seascape and its relationship to the performance of calcifying marine invertebrates: Laboratory experiments on the development of urchin larvae framed by environmentally-relevant pCO<sub>2</sub>/pH. *Journal of Experimental Marine Biology and Ecology*, 400: 288-295. (sbc-id: 734)

## 2010

- Alberto, F., P. T. Raimondi, D. C. Reed, N. C. Coelho, R. Leblois, A. C. Whitmer and E. A. Serrão. 2010. Habitat continuity and geographic distance predict population genetic differentiation in giant kelp. *Ecology*, 91: 49-56. (sbc-id: 515)
- Carney, L. T. and M. Edwards. 2010. Role of nutrient fluctuations and delayed development on gametophyte reproduction in *Macrocystis pyrifera* (Phaeophyceae) in southern California. *Journal of Phycology*, 46(5): 987-996. (sbc-id: 641)
- Cavanaugh, K. C., D. A. Siegel, B. P. Kinlan and D. C. Reed. 2010. Scaling giant kelp field measurements to regional scales using satellite observations. *Marine Ecology Progress Series*, 403: 13-27. (sbc-id: 642)
- Costello, C. J., A. R. Rassweiler, D. A. Siegel, G. De Leo, F. Micheli and A. Rosenberg. 2010. The value of spatial information in MPA network design. *Proceedings of the National Academy of Sciences of the United States of America*, 107: 18294-18299. (sbc-id: 707)
- Culver, C. C., S. C. Schroeter, H. M. Page and J. E. Dugan. 2010. Essential fishery information for trap-based fisheries: development of a framework for collaborative data collection. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science*, 2: 98-114. (sbc-id: 528)
- Dugan, J. E. and D. M. Hubbard. 2010. Loss of coastal strand habitat in southern California: the role of beach grooming. *Estuaries and Coasts*, 33: 67-77. (sbc-id: 530)
- Dugan, J. E., O. Defeo, E. Jaramillo, A. R. Jones, M. Lastra, R. Nel, C. H. Peterson, F. Scapini, T. Schlacher and D. S. Schoeman. 2010. Give beach ecosystems their day in the sun. *Science*, 329: 1146. (sbc-id: 645)
- Fangue, N. A., M. J. O'Donnell, M. A. Sewell, P. G. Matson, A. C. MacPherson and G. E. Hofmann. 2010. A laboratory-based, experimental system for the study of ocean acidification effects on marine invertebrate larvae. *Limnology and Oceanography-Methods*, 8: 441-452. (sbc-id: 711)
- Freeman, A., V. Zlotnicki, W. T. Liu, M. B. Holt, R. Kwok, S. Yueh, J. Vazquez, D. A. Siegel and G. Lagerloef. 2010. Ocean Measurements from Space in 2025. *Oceanography*, 23: 144-161. (sbc-id: 712)
- Graham, M. H., B. P. Kinlan and R. K. Grosberg. 2010. Post-glacial redistribution and shifts in productivity of giant kelp forests. *Proceedings of the Royal Society of London Series B - Biological Sciences*, 277: 399-406. (sbc-id: 634)
- Hammond, L. M. and G. E. Hofmann. 2010. Thermal tolerance of *Strongylocentrotus purpuratus* early life history stages: mortality, stress-induced gene expression and biogeographic patterns. *Marine Biology*, 157: 2677-2687. (sbc-id: 714)
- Kay, M. C., H. S. Lenihan, J. R. Wilson and C. J. Miller. 2010. Cost of vessel insurance in collaborative fisheries research: Strategies and perspectives from a program in California, USA. *California Fish and Game*, 96: 129-145. (sbc-id: 717)
- Leinfelder, B., J. Tao, D. Costa, M. B. Jones, M. Servilla, M. C. O'Brien and C. Burt. 2010. A metadata-driven approach to loading and querying heterogeneous scientific data. *Ecological Informatics, Special Issue: Advances in environmental information management*, 5: 3-8. (sbc-id: 631)
- Maritorena, S., O. H. F. d'Andon, A. Mangin and D. A. Siegel. 2010. Merged satellite ocean color data products using a bio-optical model: Characteristics, benefits and issues. *Remote Sensing of Environment*, 114: 1791-1804. (sbc-id: 721)
- Nencioli, F., C. M. Dong, T. Dickey, L. Washburn and J. C. McWilliams. 2010. A vector geometry-based eddy detection algorithm and its application to a high-resolution numerical model product and high-frequency radar surface velocities in the Southern California Bight. *Journal of Atmospheric and Oceanic Technology*, 27: 564-579. (sbc-id: 725)
- Nishimoto, M. M., L. Washburn, R. R. Warner, M. S. Love and G. L. Paradis. 2010. Otolith elemental signatures reflect residency in coastal water masses. *Environmental Biology of Fishes*, 89: 341-356. (sbc-id: 726)
- O'Donnell, M. J., A. E. Todgham, M. A. Sewell, L. M. Hammond, K. Ruggiero, N. A. Fangue, M. L. Zippay and G. E. Hofmann. 2010. Ocean acidification alters skeletogenesis and gene expression in larval sea urchins. *Marine Ecology-Progress Series*, 398: 157-171. (sbc-id: 727)

- Page, H. M., J. E. Dugan and F. Piltz. 2010. Fouling and Antifouling in Oil and Other Offshore Industries. in: Biofouling. Durr, S. and J. Thomason, eds. Wiley-Blackwell Publishing. (sbc-id: 554)
- Rassweiler, A. R., R. J. Schmitt and S. J. Holbrook. 2010. Triggers and maintenance of multiple shifts in the state of a natural community. *Oecologia*, 164: 489-498. (sbc-id: 657)
- Selkoe, K., J. R. Watson, C. White, T. Ben Horin, M. Iacchei, S. Mitarai, D. A. Siegel, S. D. Gaines and R. Toonen. 2010. Taking the chaos out of genetic patchiness: seascape genetics reveals ecological and oceanographic drivers of genetic patterns in three temperate reef species. *Molecular Ecology*, 19: 3708-3726. (sbc-id: 658)
- Watson, J. R., S. Mitarai, D. A. Siegel, J. E. Caselle, C. M. Dong and J. C. McWilliams. 2010. Realized and potential larval connectivity in the Southern California Bight. *Marine Ecology-Progress Series*, 401: 31-48. (sbc-id: 661)
- White, C., K. Selkoe, J. R. Watson, D. A. Siegel, D. Zacherl and R. Toonen. 2010. Ocean currents help explain population genetic structure. *Proceedings of the Royal Society of London Series B - Biological Sciences*, 277: 1685-1694. (sbc-id: 663)
- Whitmer, A. C., L. A. Ogden, J. Lawton, P. Sturner, P. Groffman, L. Schneider, D. Hart, B. Halpern, W. Schlesinger, S. Raciti, N. Bettez, S. Ortega, L. Rustad, T. Pickett and M. Killelea. 2010. The engaged university: providing a platform for research that transforms society. *Frontiers in Ecology and the Environment*, 8: 314-321. (sbc-id: 664)
- Wilson, J. R., J. Prince and H. S. Lenihan. 2010. A management strategy for nearshore sedentary species using marine protected areas (MPAs) as a reference. *Marine and Coastal Fisheries: Dynamics, Management and Ecosystem Science*, 2: 14-27. (sbc-id: 630)
- Wu, C. H., B. Sercu, L. C. Van De Werfhorst, J. Wong, T. Z. DeSantis, E. L. Brodie, T. C. Hazen, P. A. Holden and G. L. Andersen. 2010. Characterization of coastal urban watershed bacterial communities leads to alternative community-based indicators. *PLoS ONE*, 5: e11285. (sbc-id: 665)
- Yoder, J. A., S. C. Doney, D. A. Siegel and C. Wilson. 2010. Study of Marine Ecosystems and Biogeochemistry Now and in the Future Examples of the Unique Contributions from Space. *Oceanography*, 23: 104-117. (sbc-id: 733)

## 2009

- Alberto, F., A. C. Whitmer, N. C. Coelho, M. Zippay, E. Varela-Alvarez, P. T. Raimondi, D. C. Reed and E. A. Serrão. 2009. Microsatellite markers for the giant kelp *Macrocystis pyrifera*. *Conservation Genetics*, 6: 1915-1917. (sbc-id: 516)
- Anderson, C. R., D. A. Siegel, R. M. Kudela and M. A. Brzezinski. 2009. Empirical models of toxigenic *Pseudo-nitzschia* blooms: Potential use as a remote detection tool in the Santa Barbara Channel. *Harmful Algae*, 8: 478-492. (sbc-id: 517)
- Arkema, K. K. 2009. Flow-mediated feeding in the field: consequences for the performance and abundance of a sessile marine invertebrate. *Marine Ecology Progress Series*, 388: 207-220. (sbc-id: 519)
- Arkema, K. K., D. C. Reed and S. C. Schroeter. 2009. Direct and indirect effects of giant kelp determine benthic community structure and dynamics. *Ecology*, 90: 3126-3137. (sbc-id: 520)
- Beighley, R. E. and Y. He. 2009. Predicting model uncertainty at river junctions due to drainage network structure. *Journal of Hydrologic Engineering*, 14:5: 499-507. (sbc-id: 521)
- Beighley, R. E., M. Kargar and Y. He. 2009. Effects of impervious area estimation methods on simulated peak discharges. *Journal of Hydrologic Engineering, ASCE*, 14:4: 388-398. (sbc-id: 522)
- Cardinale, B. J., D. M. Bennett, C. E. Nelson and K. Gross. 2009. Does productivity drive diversity or vice versa? A test of the multivariate productivity-diversity hypothesis in streams. *Ecology*, 90: 1227-1241. (sbc-id: 526)
- Defeo, O., A. McLachlan, D. Schoeman, T. Schlacher, J. E. Dugan, A. Jones, M. Lastra and F. Scapini. 2009. Threats to sandy beach ecosystems: a review. *Estuarine, Coastal and Shelf Science*, 81: 1-12. (sbc-id: 529)
- Farwell, C., C. M. Reddy, E. Peacock, R. K. Nelson, L. Washburn and D. L. Valentine. 2009. Weathering and the fallout plume of heavy oil from strong petroleum seeps near Coal Oil Point, CA. *Environmental Science and Technology*, 43: 3542-3548. (sbc-id: 647)
- Gaines, S. D., S. E. Lester, G. Eckert, B. P. Kinlan, R. Sagarin and B. P. Gaylord. 2009. Dispersal and geographic ranges in the sea. in: Marine Macroecology. Witman, J. and K. Roy, eds. University of Chicago Press. (sbc-id: 326)
- Guerrini, A. and J. E. Dugan. 2009. Coastal Dynamics: Toward informing ecological restoration in a coastal context. in: Restoration and History: The Search for a Usable Environmental Past. Hall, M., eds. Routledge, Taylor and Francis Group. (sbc-id: 409)
- Guerrini, A. 2009. The trouble with plovers. in: New Visions of Nature: Complexity and Authenticity. Keulartz, J., M. Drenthen and J. D. Proctor, eds. Springer. (sbc-id: 1003)
- Lester, S. E., B. S. Halpern, K. Grorud-Colvert, J. Lubchenco, B. I. Ruttenberg, S. D. Gaines, S. Airame and R. R. Warner. 2009. Biological effects within no-take marine reserves: a global synthesis. *Marine Ecology Progress Series*, 384: 181-190. (sbc-id: 544)
- Melton, C., L. Washburn and C. Gotschalk. 2009. Wind relaxations and poleward flow events in a coastal upwelling system on the central California coast. *Journal of Geophysical Research - Oceans*, 114: C11016. (sbc-id: 549)
- Miller, R. J., D. C. Reed and M. A. Brzezinski. 2009. Community structure and productivity of subtidal turf and foliose algal assemblages. *Marine Ecology Progress Series*, 388: 1-11. (sbc-id: 550)
- Mitarai, S., D. A. Siegel, J. R. Watson, C. M. Dong and J. C. McWilliams. 2009. Quantifying connectivity in the coastal ocean with application to the southern California Bight. *Journal of Geophysical Research - Oceans*, 114: C10026. (sbc-id: 551)
- Reed, D. C. and M. A. Brzezinski. 2009. Kelp forests. in: The management of natural coastal carbon sinks. Laffoley, D. and G. Grimsditch, eds. International Union for Conservation of Nature (IUCN). (sbc-id: 557)
- Reed, D. C., S. J. Holbrook, C. A. Blanchette and S. Worcester. 2009. Patterns and sources of variation in flowering, seed supply, and seedling recruitment in surfgrass. *Marine Ecology Progress Series*, 384: 97-106. (sbc-id: 559)
- Reed, D. C., A. R. Rassweiler and K. Arkema. 2009. Density derived estimates of standing crop and net primary production in the giant kelp *Macrocystis pyrifera*. *Marine Biology*, 156: 2077-2083. (sbc-id: 632)
- Sekula-Wood, E., J. L. Ferry, E. Fitzpatrick, B. H. Jones, P. E. Miller, S. L. Morton, R. A. Schaffner, D. A. Siegel, R. Thunell, A. Schnetzer, C. R. Benitez-Nelson, C. A. Anderson, W. M. Berelson, M. A. Brzezinski, J. M. Burns, D. A. Caron and I. Cetinic. 2009. Rapid downward transport of the neurotoxin domoic acid in coastal waters. *Nature: Geoscience*, 2: 272-275. (sbc-id: 563)



- Sercu, B., L. C. Van De Werfhorst, J. Murray and P. A. Holden. 2009. Storm drains are sources of human fecal pollution during dry weather in three urban southern California watersheds. *Environmental Science and Technology*, 43: 293-298. (sbc-id: 565)
- Stewart, H. L., J. P. Fram, D. C. Reed, S. L. Williams, M. A. Brzezinski, S. MacIntyre and B. P. Gaylord. 2009. Differences in growth, morphology, tissue carbon and nitrogen of *Macrocystis pyrifera* within and at the outer edge of a giant kelp forest in California, USA. *Marine Ecology Progress Series*, 375: 101-112. (sbc-id: 567)
- Warrick, J. A. and L. A. K. Mertes. 2009. Sediment yield from the tectonically active semiarid Western Transverse Ranges of California. *Geological Society of America Bulletin*, 121: 1054-1070. (sbc-id: 568)

## 2008

- Anderson, C. R., D. A. Siegel, M. A. Brzezinski and N. Guillocheau. 2008. Controls on Temporal Patterns in Phytoplankton Community Structure in the Santa Barbara Channel, California bloom in the Santa Barbara Channel, California. *Journal of Geophysical Research, Oceans*, 113: C04038. (sbc-id: 392)
- Beighley, R. E., T. Dunne and J. M. Melack. 2008. Impacts of climate variability and land use alterations on frequency distributions of terrestrial runoff loading to coastal waters in southern California. *Journal of the American Water Resources Association*, 44: 62-74. (sbc-id: 473)
- Broitman, B. R., C. A. Blanchette, B. A. Menge, J. Lubchenco, C. Krenz, M. Foley, P. T. Raimondi, D. Lohse and D. Gaines. 2008. Spatial and temporal patterns of invertebrate recruitment along the west coast of the United States. *Ecological Monographs*, 78: 403-421. (sbc-id: 523)
- Cao, Y., P. G. Green and P. A. Holden. 2008. Microbial community composition and denitrifying enzyme activities in salt marsh sediments. *Applied and Environmental Microbiology*, 74: 7585-7595. (sbc-id: 525)
- Dugan, J. E., D. M. Hubbard, I. F. Rodil, D. L. Revell and S. C. Schroeter. 2008. Ecological effects of coastal armoring on sandy beaches. *Marine Ecology Progress Series*, 29: 160-170. (sbc-id: 401)
- Fram, J. P., H. L. Stewart, M. A. Brzezinski, B. P. Gaylord, D. C. Reed, S. L. Williams and S. MacIntyre. 2008. Physical pathways and utilization of nitrate supply to the giant kelp, *Macrocystis pyrifera*. *Limnology and Oceanography*, 53:4: 1589-1603. (sbc-id: 532)
- Gaylord, B. P., M. W. Denny and M. A. R. Koehl. 2008. Flow forces on seaweeds: Field evidence for roles of wave impingement and organism inertia. *Biological Bulletin*, 215: 295-308. (sbc-id: 533)
- Going, B., J. C. Simpson and T. Even. 2008. The influence of light on the growth of watercress (*Nasturtium officinale* R. Br.). *Hydrobiologia*, 607: 75-85. (sbc-id: 536)
- Lastra, M., H. M. Page, J. E. Dugan, D. M. Hubbard and I. F. Rodil. 2008. Processing of allochthonous macrophyte subsidies by sandy beach consumers: estimates of feeding rates and impacts on food resources. *Marine Biology*, 154: 163-174. (sbc-id: 543)
- Levenbach, S. 2008. Grazing intensity influences the strength of an associational refuge on temperate reefs. *Oecologia*, 159: 181-190. (sbc-id: 545)
- Levenbach, S. 2008. Behavioral mechanism for an associational refuge for macroalgae on temperate reefs. *Marine Ecology Progress Series*, 370: 45-52. (sbc-id: 546)
- Levenbach, S. 2008. Community-wide ramifications of an associational refuge on shallow rocky reefs. *Ecology*, 89: 2819-2828. (sbc-id: 547)
- Page, H. M., C. Culver, J. E. Dugan and B. Mardian. 2008. Oceanographic gradients and patterns in invertebrate assemblages on offshore oil platforms. *ICES J Mar. Sci*, 65: 851-861. (sbc-id: 553)
- Page, H. M., D. C. Reed, M. A. Brzezinski, J. M. Melack and J. E. Dugan. 2008. Assessing the importance of land and marine sources of organic matter to kelp forest food webs. *Marine Ecology Progress Series*, 360: 47-62. (sbc-id: 555)
- Rassweiler, A. R., K. K. Arkema, D. C. Reed, M. A. Brzezinski and R. C. Zimmerman. 2008. Net primary production, growth and standing crop of *Macrocystis pyrifera* in southern California. *Ecology*, 89: 2068. (sbc-id: 556)
- Reed, D. C., A. R. Rassweiler and K. K. Arkema. 2008. Biomass rather than growth determines net primary production by giant kelp. *Ecology*, 89: 2493-2505. (sbc-id: 558)
- San Gil, I., J. Y. Pan, G. Palanisamy, D. Henshaw, M. C. O'Brien, L. Kinkel, K. McMahon, R. Kottmann, L. Amaral-Zettler, J. Hobbie, P. Goldstein, W. Sheldon, R. P. Guralnick, J. Brunt, W. K. Michener, T. Schmidt, M. Servilla, R. Aguilar, C. Gries, T. Gray, D. Field and J. Cole. 2008. Defining Linkages between the GSC and NSF's LTER Program: How the Ecological Metadata Language (EML) Relates to GCDML and Other Outcomes. *OMICS: A Journal of Integrative Biology*, 12: 151-156. (sbc-id: 534)
- Scapini, F. and J. E. Dugan. 2008. Sun and landscape orientation in adult and juvenile sandhoppers *Orchestoidea tuberculata* (Amphipoda, Talitridae) from two beaches in south central Chile. *Marine Ecology*, 29: 19-27. (sbc-id: 419)
- Schlacher, T. A., D. S. Schoeman, J. E. Dugan, M. Lastra, A. Jones, F. Scapini and A. McLachlan. 2008. Sandy beach ecosystems: key features, management challenges, climate change impacts, and sampling issues. *Marine Ecology Progress Series*, 29: 70-90. (sbc-id: 561)
- Selkoe, K. A., C. Henzler and S. D. Gaines. 2008. Seascape genetics and the spatial ecology of marine populations. *Fish and Fisheries*, 9: 363-377. (sbc-id: 564)
- White, C., B. E. Kendall, S. D. Gaines, D. A. Siegel and C. J. Costello. 2008. Marine reserve effects on fishery profit. *Ecology Letters*, 11: 370-379. (sbc-id: 735)
- Wieters, E., S. D. Gaines, S. A. Navarrete, C. A. Blanchette and B. A. Menge. 2008. Scales of dispersal and the biogeography of marine predator-prey interactions. *American Naturalist*, 171: 405-417. (sbc-id: 569)

## 2007

- Barth, J. A., B. A. Menge, J. Lubchenco, F. Chan, J. M. Bane, A. R. Kirincich, M. M. McManus, K. J. Nielsen, S. D. Pierce and L. Washburn. 2007. Delayed upwelling alters nearshore coastal ocean ecosystems in the northern California current. *Proceedings of the National Academy of Sciences*, 104(10): 3719-3724. (sbc-id: 393)

- Buenau, K., A. R. Rassweiler and R. M. Nisbet. 2007. The effects of landscape structure on space competition and alternative stable states. *Ecology*, 88: 3022-3031. (sbc-id: 513)
- Gaines, S. D. 2007. Recruitment. in: *Encyclopedia of Tidepools and Rocky Shores*. Denny, M. W. and S. D. Gaines, eds. University of California Press. (sbc-id: 404)
- Gaines, S. D. 2007. Marine Reserves. in: *Encyclopedia of Tidepools and Rocky Shores*. Denny, M. W. and S. D. Gaines, eds. University of California Press. (sbc-id: 405)
- Gaines, S. D. 2007. El Niño. in: *Encyclopedia of Tidepools and Rocky Shores*. Denny, M. W. and S. D. Gaines, eds. University of California Press. (sbc-id: 406)
- Gaines, S. D. 2007. Dispersal. in: *Encyclopedia of Tidepools and Rocky Shores*. Denny, M. W. and S. D. Gaines, eds. University of California Press. (sbc-id: 407)
- Gaylord, B. P., J. Rosman, D. C. Reed, J. R. Koseff, J. P. Fram, S. MacIntyre, K. Arkema, C. McDonald, M. A. Brzezinski, J. L. Largier, S. G. Monismith, P. T. Raimondi and B. Mardian. 2007. Spatial patterns of flow and their modification within and around a giant kelp forest. *Limnology and Oceanography*, 52: 1838-1852. (sbc-id: 402)
- Gross, K. and B. J. Cardinale. 2007. Does Species Richness Drive Community Production or Vice Versa? Reconciling Historical and Contemporary Paradigms in Competitive Communities. *American Naturalist*, 170: 207. (sbc-id: 403)
- Harmon, M. E., D. L. Phillips, J. Battles, A. R. Rassweiler, R. O. Hall and W. K. Lauenroth. 2007. Quantifying uncertainty in net primary production measurements. in: *Principles and Standards for Measuring Net Primary Production in Long-Term Ecological Studies*. Fahey, T. J. and A. K. Knapp, eds. Oxford University Press. (sbc-id: 327)
- Kellner, J., I. Tetreault, S. D. Gaines and R. M. Nisbet. 2007. Fishing the line near marine reserves in single species and multi-species fisheries. *Ecological Applications*, 17: 1039-1054. (sbc-id: 318)
- Kostadinov, T. S., D. A. Siegel, S. Maritorea and N. Guillocheau. 2007. Ocean color observations and modeling for an optically complex site: Santa Barbara Channel, California, USA. *Journal of Geophysical Research, Oceans*, 112: C07011. (sbc-id: 319)
- Lester, S. E., S. D. Gaines and B. P. Kinlan. 2007. Reproduction on the edge: large-scale patterns of individual performance in a marine invertebrate. *Ecology*, 88: 2229-2239. (sbc-id: 408)
- Lester, S. E., B. I. Ruttenberg, S. D. Gaines and B. P. Kinlan. 2007. The relationship between dispersal ability and geographic range size. *Ecology Letters*, 10: 745-758. (sbc-id: 411)
- Lester, S. E., E. D. Tobin and M. D. Behrens. 2007. Disease dynamics and the potential role of thermal stress in the sea urchin, *Strongylocentrotus purpuratus*. *Canadian Journal of Fisheries and Aquatic Sciences*, 64: 314-323. (sbc-id: 412)
- McPhee-Shaw, E. E., D. A. Siegel, L. Washburn, M. A. Brzezinski and J. L. Jones. 2007. Mechanisms for nutrient delivery to the inner shelf: Observations from the Santa Barbara Channel. *Limnology and Oceanography*, 52(5): 1748-1766. (sbc-id: 413)
- Miller, L. P. and B. P. Gaylord. 2007. Barriers to flow: The effects of experimental cage structures on water velocities in high-energy subtidal and intertidal environments. *Journal of Experimental Marine Biology and Ecology*, 344: 215-228. (sbc-id: 414)
- Page, H. M., J. E. Dugan, D. M. Schroeder, M. M. Nishimoto, M. S. Love and J. C. Hoesterey. 2007. Trophic links and condition of a temperate reef fish: comparisons among offshore oil platform and natural reef habitats. *Marine Ecology Progress Series*, 334: 245-256. (sbc-id: 417)
- Sadro, S., M. Gastil-Buhl and J. M. Melack. 2007. Characterizing patterns of plant distribution in a southern California salt marsh using topographic and hyperspectral data and local tidal hydrodynamics. *Remote Sensing of the Environment*, 110: 226-239. (sbc-id: 474)
- Schlacher, T. A., J. E. Dugan, D. S. Schoeman, M. Lastra, A. Jones, F. Scapini, A. McLachlan and O. Defeo. 2007. Sandy beaches at the brink. *Diversity and Distributions*, 13(5): 556-560. (sbc-id: 420)
- Schmitt, R. J. and S. J. Holbrook. 2007. Predicting the magnitude of temporal variation in young-of-year class strength of surfperch (Teleostei: Embiotocidae). *Raffles Bulletin of Zoology*, 14: 161-166. (sbc-id: 332)
- Warrick, J. A., P. M. DiGiacomo, S. B. Weisberg, N. P. Nezlin, M. Mengel, B. H. Jones, J. C. Ohlmann, L. Washburn, E. J. Terrill and K. L. Farnworth. 2007. River plume patterns and dynamics within the Southern California Bight. *Continental Shelf Research*, 27: 2427-2448. (sbc-id: 633)

## 2006

- Anderson, C. R., M. A. Brzezinski, L. Washburn and R. M. Kudela. 2006. Circulation and environmental conditions during a toxigenic *Pseudo-nitzschia australis* bloom in the Santa Barbara Channel, California. *Marine Ecology Progress Series*, 327: 119-133. (sbc-id: 308)
- Arkema, K. K., S. C. Abramson and B. M. Dewsbury. 2006. Marine ecosystem-based management: from characterization to implementation. *Frontiers in Ecology and the Environment*, 4: 525-532. (sbc-id: 309)
- Blanchette, C. A., B. R. Broitman and S. D. Gaines. 2006. Intertidal community structure and oceanographic patterns around Santa Cruz Island, CA, USA. *Marine Biology*, 149(3): 689-701. (sbc-id: 310)
- Broitman, B. R. and B. P. Kinlan. 2006. Spatial scales of benthic and pelagic producer biomass in a coastal upwelling ecosystem. *Marine Ecology Progress Series*, 327: 15-25. (sbc-id: 307)
- Busse, L. B., J. C. Simpson and S. D. Cooper. 2006. Relationships among nutrients, algae and land use in urbanized southern Californian streams. *Canadian J. Fisheries and Aquatic Sciences*, 63: 2621-2638. (sbc-id: 313)
- Dugan, J. E. and D. M. Hubbard. 2006. Ecological responses to coastal armoring on exposed sandy beaches. *Shore and Beach*, 74: 10-16. (sbc-id: 302)
- Foster, M. S., M. S. Edwards, D. C. Reed, D. S. Schiel and R. C. Zimmerman. 2006. Top-down vs. bottom-up effects in kelp forests. *Science (Letters)*, 313: 1737-1738. (sbc-id: 316)
- Gaylord, B. P., D. C. Reed, P. T. Raimondi and L. Washburn. 2006. Macroalgal spore dispersal in coastal environments: Mechanistic insights revealed by theory and experiment. *Ecological Monographs*, 76: 481-502. (sbc-id: 317)

- Page, H. M., J. E. Dugan, C. C. Culver and J. Hoesterey. 2006. Exotic invertebrate species on offshore oil platforms. *Marine Ecology Progress Series*, 325: 101-107. (sbc-id: 306)
- Reed, D. C., B. P. Kinlan, P. T. Raimondi, L. Washburn, B. P. Gaylord and P. Drake. 2006. A metapopulation perspective on the patch dynamics of giant kelp in Southern California. in: *Marine Metapopulations*. Kritznner, J. P. and P. F. Sale, eds. Academic Press. (sbc-id: 296)
- Reed, D. C., S. C. Schroeter, D. Huang, T. W. Anderson and R. F. Ambrose. 2006. Quantitative assessment of different artificial reef designs in mitigating losses to kelp forest fishes. *Bulletin of Marine Science*, 78: 133-150. (sbc-id: 298)
- Sagarin, R. D., S. D. Gaines and B. P. Gaylord. 2006. Moving beyond assumptions to understand abundance distributions across the ranges of species. *Trends in Ecology and Evolution*, 21: 524-529. (sbc-id: 321)
- Sagarin, R. D. and S. D. Gaines. 2006. Recent studies improve understanding of population dynamics across species ranges. *Oikos*, 113: 386-388. (sbc-id: 322)
- Schlacher, T. A., D. S. Schoeman, M. Lastra, A. Jones, J. E. Dugan, F. Scapini and A. McLachlan. 2006. Neglected ecosystems bear the brunt of change. *Ecology and Evolution*, 18(4): 145-148. (sbc-id: 323)
- White, E. P., P. B. Adler, W. K. Lauenroth, R. A. Gill, D. Greenberg, D. M. Kaufman, A. R. Rassweiler, J. A. Rusak, M. D. Smith, J. R. Steinbeck, R. B. Waide and J. Yao. 2006. A comparison of the species-time relationship across ecosystems and taxonomic groups. *Oikos*, 112: 185-195. (sbc-id: 305)

## 2005

- Adler, P. B., E. P. White, W. K. Lauenroth, D. M. Kaufman, A. R. Rassweiler and J. A. Rusak. 2005. Evidence for a general species-time-area relationship. *Ecology*, 86: 2032-2039. (sbc-id: 278)
- Baskett, M. L., S. A. Levin, S. D. Gaines and J. Dushoff. 2005. Marine reserve design and the evolution of size at maturation in harvested fish. *Ecological Applications*, 15: 882-901. (sbc-id: 277)
- Bassin, C. J., L. Washburn, M. A. Brzezinski and E. E. McPhee-Shaw. 2005. Sub-mesoscale coastal eddies observed by high frequency radar: A new mechanism for delivering nutrients to kelp forests in the Southern California Bight. *Geophysical Research Letters*, 32: L12604. (sbc-id: 289)
- Beighley, R. E., T. Dunne and J. M. Melack. 2005. Understanding and modeling basin hydrology: Interpreting the hydrogeological signature. *Hydrological Processes*, 19: 1333-1353. (sbc-id: 288)
- Bram, J. B., H. M. Page and J. E. Dugan. 2005. Spatial and temporal variability in early successional patterns of an invertebrate assemblage at an offshore oil platform. *Exp Mar Biol. Ecol.*, 317(2): 223-237. (sbc-id: 276)
- Broitman, B. R., C. A. Blanchette and S. D. Gaines. 2005. Recruitment of intertidal invertebrates and oceanographic variability at Santa Cruz Island, California. *Limnol Oceanog*, 50: 1473-1479. (sbc-id: 301)
- Cudaback, C., L. Washburn and E. P. Dever. 2005. Subtidal inner-shelf circulation near Pt. Conception California. *Journal of Geophysical Research - Oceans*, 110: Art. No. C10007. (sbc-id: 314)
- Gaylord, B. P., S. D. Gaines, D. A. Siegel and M. H. Carr. 2005. Marine reserves exploit population structure and life history in potentially improving fisheries yields. *Ecological Applications*, 15: 2180-2191. (sbc-id: 275)
- Kinlan, B. P., S. D. Gaines and S. E. Lester. 2005. Propagule dispersal and the scales of marine community process. *Diversity and Distributions*, 11: 139-148. (sbc-id: 287)
- Kinlan, B. P. and A. M. Hastings. 2005. Rates of population spread and geographic range expansion: what exotic species tell us. in: *Species Invasions: Insights into Ecology, Evolution, and Biogeography*. Sax, D. F., J. J. Stachowicz and S. D. Gaines, eds. Sinauer Associates. (sbc-id: 293)
- Lester, S. E. and B. I. Ruttenberg. 2005. The relationship between pelagic larval duration and range size in tropical reef fishes: a synthetic analysis. *Proceedings of the Royal Society of London Series B - Biological Sciences*, 272: 585-591. (sbc-id: 272)
- Melack, J. M. and A. P. Leydecker. 2005. Episodic variations in nutrient concentrations in coastal Californian streams. *Ver Limnol. Verein. Limnol*, 29: 1049-1053. (sbc-id: 303)
- Robinson, T. H., A. P. Leydecker, A. A. Keller and J. M. Melack. 2005. Steps towards modeling nutrient export in coastal Californian streams with a Mediterranean climate. *Agricultural Water Management*, 77: 144-158. (sbc-id: 286)
- Sax, D. F. and S. D. Gaines. 2005. Where do we go from here?. in: *Species Invasions: Insights into Ecology, Evolution, and Biogeography*. Sax, D. F., J. J. Stachowicz and S. D. Gaines, eds. Sinauer Associates. (sbc-id: 290)
- Stoms, D. M., F. W. Davis, S. J. Andelman, M. H. Carr, S. D. Gaines, B. S. Halpern, R. Hoenicke, S. G. Leibowitz, A. P. Leydecker, E. P. Madin, H. Tallis and R. R. Warner. 2005. Integrated coastal reserve planning: making the land-sea connection. *Frontiers in Ecology and the Environment*, 3: 429-436. (sbc-id: 294)
- Warrick, J. A., L. Washburn, M. A. Brzezinski and D. A. Siegel. 2005. Nutrient contributions to the Santa Barbara Channel, California, from the ephemeral Santa Clara River. *Estuarine, Coastal and Shelf Science*, 62: 559-574. (sbc-id: 283)

## 2004

- Beckenbach, E. H. and L. Washburn. 2004. Low frequency waves in the Santa Barbara Channel observed by high frequency radar. *Journal of Geophysical Research*, 109. (sbc-id: 212)
- Bomkamp, R. E., H. M. Page and J. E. Dugan. 2004. Role of food subsidies and habitat structure in influencing benthic communities of shell mounds at sites of existing and former offshore oil platforms. *Marine Biology*, 146 (1): 201-211. (sbc-id: 213)
- Bull, J. S., D. C. Reed and S. J. Holbrook. 2004. An Experimental Evaluation of Different Methods of Restoring *Phyllospadix torreyi* (Surfgrass). *Restoration Ecology*, 12(1): 70-79. (sbc-id: 214)
- Clark, J. F., I. Leifer, L. Washburn and B. P. Luyendyk. 2004. Compositional changes in natural gas bubble plumes: Observations from the Coal Oil Point marine hydrocarbon seep field. *Geo-Marine Letters*, 23: 187-193. (sbc-id: 215)

- DiGiacomo, P. M., L. Washburn, M. B. Holt and B. H. Jones. 2004. Coastal pollution hazards in Southern California observed by SAR imagery: Stormwater plumes, wastewater plumes and natural hydrocarbon seeps. *Geo-Marine Letters*, 24: 46-52. (sbc-id: 216)
- Dugan, J. E. and D. M. Hubbard. 2004. Southern New Zealand Beaches. in: *Natural History of Southern New Zealand*. Darby, J., R. E. Fordyce, A. Mark, K. Probert and C. Townsend, eds. University of Otago Press. (sbc-id: 200)
- Dugan, J. E., D. M. Hubbard, E. Jaramillo, H. Contreras and C. Duarte. 2004. Competitive interactions in macroinfaunal animals of exposed sandy beaches. *Oecologia*, 139(4): 630-640. (sbc-id: 217)
- Gaylord, B. P., D. C. Reed, L. Washburn and P. T. Raimondi. 2004. Biological-physical coupling in spore dispersal of kelp forest macroalgae. *Journal of Marine Systems*, 49 (1-4): 19-39. (sbc-id: 219)
- Halpern, B. S., S. D. Gaines and R. R. Warner. 2004. Confounding effects of the export of production and the displacement of fishing effort from marine reserves. *Ecological Applications*, 14: 1248-1256. (sbc-id: 208)
- Halpern, B., R. R. Warner and S. D. Gaines. 2004. Moving the discussion about marine reserve science forward. *MPA News*, 5: 1-2. (sbc-id: 209)
- Keller, A. A., Y. Zheng and T. H. Robinson. 2004. Determining critical water quality conditions for inorganic nitrogen in dry, semi-urbanized watersheds. *Journal of American Water Resources*, 40: 721-735. (sbc-id: 222)
- LaMontagne, M. G., I. Leifer, S. Bergmann, L. C. Van De Werfhorst and P. A. Holden. 2004. Bacterial diversity in marine hydrocarbon seep sediments. *Environmental Microbiology*, 6 (8): 799-808. (sbc-id: 223)
- Menge, B. A., C. A. Blanchette, P. T. Raimondi, T. Freidenburg, S. D. Gaines, J. Lubchenco, D. Lohse, G. Hudson, M. Foley and J. Pamplin. 2004. Species interaction strength: testing model predictions along an upwelling gradient. *Ecological Monographs*, 74: 663-684. (sbc-id: 210)
- Otero, M. P. and D. A. Siegel. 2004. Spatial and temporal characteristics of sediment plumes and phytoplankton blooms in the Santa Barbara Channel. *Deep-Sea Research Part II*, 51: 1129-1149. (sbc-id: 224)
- Phillips, N. E. 2004. Variable timing of larval food has consequences for early juvenile performance in a marine mussel. *Ecology*, 85(8): 2341-2346. (sbc-id: 225)
- Raimondi, P. T., D. C. Reed, B. P. Gaylord and L. Washburn. 2004. Effects of self-fertilization in the giant kelp *Macrocystis pyrifera*. *Ecology*, 85(12): 3267-3276. (sbc-id: 226)
- Reed, D. C., S. C. Schroeter and P. T. Raimondi. 2004. Spore supply and habitat availability as sources of recruitment limitation in giant kelp. *Journal of Phycology*, 40 (2): 275-284. (sbc-id: 207)
- Thorner, C. S., B. P. Kinlan, M. H. Graham and J. J. Stachowicz. 2004. Population ecology of the invasive kelp *Undaria pinnatifida* in California: environmental and biological controls on demography. *Marine Ecology Progress Series*, 268: 69-80. (sbc-id: 204)
- Thorner, C. S. and S. D. Gaines. 2004. Population demographics in species with biphasic life cycles. *Ecology*, 85(6): 1661-1674. (sbc-id: 205)
- Warrick, J. A., L. A. K. Mertes and D. A. Siegel. 2004. A conceptual model for river water and sediment dispersal in the Santa Barbara Channel, California. *Continental-Shelf Research*, 24: 2029-2043. (sbc-id: 201)
- Warrick, J. A., L. A. K. Mertes, D. A. Siegel and C. MacKenzie. 2004. Estimating suspended sediment concentrations in turbid coastal waters with SeaWiFS. *International Journal of Remote Sensing*, 25: 1995-2002. (sbc-id: 202)
- Warrick, J. A., L. A. K. Mertes, L. Washburn and D. A. Siegel. 2004. Dispersal forcing of southern California river plumes based on field and remote sensing observations. *Geo-Marine Letters*, 24: 46-52. (sbc-id: 203)

## 2003

- Airame, S., J. E. Dugan, K. D. Lafferty, H. M. Leslie, D. A. McArdle and R. R. Warner. 2003. Applying ecological criteria to marine reserve design: a case study from the California Channel Islands. *Ecological Applications*, 13 (1 Suppl S): S170-S184. (sbc-id: 146)
- Allison, G. W., S. D. Gaines, J. Lubchenco and H. P. Possingham. 2003. Ensuring persistence of marine reserves: Catastrophes require adopting an insurance factor. *Ecological Applications*, 13 (1 Suppl S): S8-S24. (sbc-id: 145)
- Beighley, R. E., J. M. Melack and T. Dunne. 2003. Impacts of California's climatic regimes and coastal land use change on streamflow characteristics. *Journal of the American Water Resources Association*, 39: 1419-1433. (sbc-id: 142)
- Beighley, R. E. and G. E. Moglen. 2003. Adjusting measured peak discharges from an urbanizing watershed to reflect a stationary land use signal. *Water Resources Research*, 39(4): Art. No. 1093. (sbc-id: 143)
- Dugan, J. E., D. M. Hubbard, M. McCrary and M. Pierson. 2003. The response of macrofauna communities and shorebirds to macrophyte wrack subsidies on exposed sandy beaches of southern California. *Estuarine, Coastal and Shelf Science*, 58S: 133-148. (sbc-id: 140)
- Fierer, N., J. P. Schimel and P. A. Holden. 2003. Variations in microbial community composition through two soil depth profiles. *Soil Biology and Biochemistry*, 35 (1): 167-176. (sbc-id: 139)
- Fierer, N., J. P. Schimel and P. A. Holden. 2003. Influence of drying-rewetting frequency on soil bacterial community structure. *Microbial Ecology*, 45 (1): 63-71. (sbc-id: 156)
- Gerber, L. R., S. J. Andelman, L. W. Botsford, S. D. Gaines, A. Hastings, S. R. Palumbi and H. P. Possingham. 2003. Population models for marine reserve design: A retrospective and prospective synthesis. *Ecological Applications*, 13 (1 Suppl S): S47-S64. (sbc-id: 169)
- Hubbard, D. M. and J. E. Dugan. 2003. Shorebird use of an exposed sandy beach in southern California. *Estuarine, Coastal and Shelf Science*, 58S: 169-182. (sbc-id: 170)
- Kinlan, B. P. and S. D. Gaines. 2003. Propagule dispersal in marine and terrestrial environments: A community perspective. *Ecology*, 84: 2007-2020. (sbc-id: 171)
- Kinlan, B. P., M. H. Graham, E. Sala and P. K. Dayton. 2003. Arrested development of embryonic sporophytes in the perennial giant kelp *Macrocystis pyrifera* (Phaeophyceae): a mechanism for delayed recruitment?. *Journal of Phycology*, 39(1): 47-57. (sbc-id: 172)
- LaMontagne, M. G. and P. A. Holden. 2003. Comparison of free-living and particle-associated bacterial communities in a coastal lagoon. *Microbial Ecology*, 46(2): 228-237. (sbc-id: 173)

- LaMontagne, M. G., J. P. Schimel and P. A. Holden. 2003. Comparison of subsurface and surface soil bacterial communities in California grassland as assessed by terminal restriction fragment length polymorphisms of PCR-amplified 16S rRNA genes. *Microbial Ecology*, 46 (2): 216-227. (sbc-id: 174)
- Lubchenco, J., S. Palumbi, S. D. Gaines and S. Andelman. 2003. Plugging a hole in the ocean: The emerging science of marine reserves. *Ecological Applications*, 13 (1 Suppl S): S3-S7. (sbc-id: 175)
- McCuen, R. H. and R. E. Beighley. 2003. Seasonal flow frequency analysis. *Journal of Hydrology*, 279 (1-4): 43-56. (sbc-id: 176)
- Page, H. M., S. C. Schroeter, D. C. Reed, R. F. Ambrose, J. Callaway and J. Dixon. 2003. Variation in the distribution and abundance of salt marsh vegetation associated with elevation and height of tidal inundation. *Bulletin of the Southern California Academy of Sciences*, 102(3): 130-142. (sbc-id: 177)
- Palumbi, S. R., S. D. Gaines, H. Leslie and R. R. Warner. 2003. New wave: high-tech tools to help marine reserve research. *Frontiers in Ecology and the Environment*, 1: 73-79. (sbc-id: 147)
- Roberts, C. M., G. Branch, R. H. Bustamante, J. Carlos-Castilla, J. E. Dugan, B. S. Halpern, H. Leslie, K. D. Lafferty, J. Lubchenco, D. McArdle, M. Ruckelshaus and R. R. Warner. 2003. Application of ecological criteria in selecting marine reserves and developing reserve networks. *Ecological Applications*, 13 (1 Suppl S): S215-S228. (sbc-id: 178)
- Roberts, C. M., S. Andelman, G. Branch, R. H. Bustamante, J. Carlos-Castilla, J. E. Dugan, B. S. Halpern, H. Leslie, K. D. Lafferty, J. Lubchenco, D. McArdle, M. Ruckelshaus, R. R. Warner and H. P. Possingham. 2003. Ecological criteria for evaluating candidate sites for marine reserves. *Ecological Applications*, 13 (1 Suppl S): S199-S214. (sbc-id: 179)
- Siegel, D. A., B. P. Kinlan, B. P. Gaylord and S. D. Gaines. 2003. Lagrangian descriptions of marine larval dispersion. *Marine Ecology Progress Series*, 260: 83-96. (sbc-id: 180)
- Strayer, D. L., R. E. Beighley, L. C. Thompson, S. Brooks, C. Nilsson, G. Pinay and R. J. Naiman. 2003. Effects of Land Cover on Stream Ecosystems: Roles of Empirical Models and Scaling Issues. *Ecosystems*, 6(5): 407-423. (sbc-id: 181)
- Thornber, C. S. and S. D. Gaines. 2003. Spatial and temporal variation of haploids and diploids in populations of four congeners of the marine alga *Mazzaella*. *Marine Ecology Progress Series*, 258: 65-77. (sbc-id: 195)
- Warrick, J. A. and J. D. Milliman. 2003. Hyperpynal sediment discharge from semiarid southern California rivers: Implications for coastal sediment budgets. *Geology*, 31(9): 781-784. (sbc-id: 193)
- Zacherl, D. C., P. H. Manriquez, G. Paradis, R. W. Day, J. C. Castilla, R. R. Warner, D. W. Lea and S. D. Gaines. 2003. Trace elemental fingerprinting of gastropod statoliths to study larval dispersal trajectories. *Marine Ecology Progress Series*, 248: 297-303. (sbc-id: 192)

## 2002

- Beighley, R. E., D. L. Johnson and A. C. Miller. 2002. A subsurface response model for storm events within the Susquehanna River Basin. *Journal of Hydrologic Engineering ASCE*, 8(1): 185-191. (sbc-id: 45)
- Beighley, R. E. and G. E. Moglen. 2002. Trend Assessment in Rainfall-Runoff Behavior in Urbanizing Watersheds. *Journal of Hydrologic Engineering ASCE*, 7(1): 27-34. (sbc-id: 76)
- Blanchette, C. A., S. D. Gaines and B. Miner. 2002. Geographic variability in form, size and survival of *Egria menziesii* around Point Conception, California. *Marine Ecology Progress Series*, 230: 69-82. (sbc-id: 77)
- Gaylord, B. P., D. C. Reed, P. T. Raimondi, L. Washburn and S. R. McLean. 2002. A physically-based model of macroalgal spore dispersal in the wave and current-dominated nearshore. *Ecology*, 83: 1239-1251. (sbc-id: 78)
- Holbrook, S. J., D. C. Reed and J. S. Bull. 2002. Survival experiments with outplanted seedlings of surfgrass (*Phyllospadix torreyi*) to enhance establishment on artificial structures. *CES Journal of Marine Science*, 59: 350-355. (sbc-id: 79)
- Moglen, G. E. and R. E. Beighley. 2002. Spatially Explicit Hydrologic Modeling of Land Use Change. *Journal of the American Water Resources Association*, 38(1): 241-253. (sbc-id: 80)
- Phillips, N. E. and S. D. Gaines. 2002. Spatial and temporal variability in size at settlement of intertidal mytilid mussels from around Pt. Conception, California. *Invertebrate Reproduction and Development*, 41(1-3): 171-177. (sbc-id: 57)
- Sagarin, R. and S. D. Gaines. 2002. Geographical abundance distributions of coastal invertebrates: Using one-dimensional ranges to test biogeographic hypotheses. *Journal of Biogeography*, 29: 985-998. (sbc-id: 52)
- Sagarin, R. and S. D. Gaines. 2002. The 'abundant centre' distribution: To what extent is it a biogeographical rule?. *Ecology Letters*, 5: 137-148. (sbc-id: 53)
- Sax, D., J. Brown and S. D. Gaines. 2002. Species invasions exceed extinctions on islands worldwide: A comparative study of plants and birds. *American Naturalist*, 160(6): 766-783. (sbc-id: 54)
- Shima, J. S. and A. M. Findlay. 2002. Pelagic larval growth rate impacts benthic settlement and survival of a temperate reef fish. *Marine Ecology Progress Series*, 235: 303-309. (sbc-id: 55)
- Shipe, R. F., U. Passow, M. A. Brzezinski, D. A. Siegel and A. L. Alldredge. 2002. Effects of the 1997-98 El Nino on seasonal variations in suspended and sinking particles in the Santa Barbara Basin. *Progress in Oceanography*, 54: 105-127. (sbc-id: 56)

## 2001

- Botsford, L. W., A. Hastings and S. D. Gaines. 2001. Dependence of sustainability on the configuration of marine reserves and larval dispersal distance. *Ecology Letters*, 4: 144-150. (sbc-id: 9)
- Mertes, L. A. K. and J. A. Warrick. 2001. Measuring flood output from 110 coastal watersheds in California with field measurements and SeaWiFS. *Geology*, 29: 659-662. (sbc-id: 8)
- Schroeter, S. C., D. C. Reed, D. J. Kushner, J. A. Estes and D. S. Ono. 2001. The use of marine reserves in evaluating the dive fishery for the warty sea cucumber (*Parastichopus parvimensis*) in California. *U.S.A. Canadian Journal of Fisheries and Aquatic Science*, 58: 1773-1781. (sbc-id: 7)
- Wares, J., S. D. Gaines and C. Cunningham. 2001. A comparative study of asymmetric migration events across a marine biogeographic boundary. *Evolution*, 55: 295-306. (sbc-id: 6)

## Authored and Edited Books

- Denny, M. W. and S. D. Gaines, eds. 2007. Encyclopedia of Tidepools and Rocky Shores. University of California Press. 299Encyclopedia of Tidepools and Rocky ShoresMWDennyStevenDGaines2007University of California Press705pp. (sbc-id: 299)
- Nelson, C., C. Donahue, S. Harrer and D. C. Reed. 2009. A field guide to kelp forests of the Santa Barbara Channel, Fourth Edition. Santa Barbara Coastal Ecosystem Long-Term Ecological Research Program, University of California, Santa Barbara. (sbc-id: 32)
- Reed, D. C., S. C. Schroeter and D. Huang. 2006. An experimental investigation of the use of artificial reefs to mitigate the loss of giant kelp forest habitat. A case study of the San Onofre Nuclear Generating Station's artificial reef project. California Sea Grant College Program, University of California, San Diego, CA. 143pp. (sbc-id: 297)
- Sax, D. F., J. J. Stachowicz and S. D. Gaines. 2005. Species Invasions: Insights into Ecology, Evolution, and Biogeography. Sinauer Associates. 480pp. (sbc-id: 279)

## Theses

- Abramson, L., M. Chennel, E. Eisch, A. Glassco and T. Holley. 2009. Post-fire Sedimentation and Flood Risk Potential in the Mission Creek Watershed of Santa Barbara. MESM Group Project, Bren School of Environmental Science and Management, University of California. (sbc-id: 514)
- Anderson, C. R. 2007. Environmental controls of phytoplankton community structure in the Santa Barbara Channel: Application to the dynamics and detection of harmful diatom blooms. Ph.D., Interdepartmental Graduate Program in Marine Science. (sbc-id: 469)
- Arkema, K. K. 2008. Consequences of kelp forest structure and dynamics for epiphytes and understory communities. Ph.D., . (sbc-id: 518)
- Barron, R. K. 2014. Constraining the variability of optical properties in the Santa Barbara Channel, CA: A phytoplankton story. Ph.D., University of California, Santa Barbara. (sbc-id: 1133)
- Bassin, C. 2005. Observations of sub-mesoscale eddies along the Santa Barbara Channel coast. MS, University of California. (sbc-id: 812)
- Beckenbach, E. H. 2004. Surface circulation in the Santa Barbara Channel: An application of high frequency radar for descriptive physical oceanography in the coastal zone. PhD, University of California. (sbc-id: 810)
- Bell, T. W. 2016. Environmental Drivers of Giant Kelp Biomass and Physiological Condition Dynamics Across Space and Time. Ph.D., University of California, Santa Barbara. (sbc-id: 1162)
- Bose, R. K. 2004. Composing and conveying lineage metadata for environmental science research computing. Ph.D., Bren School of Environmental Science and Management. (sbc-id: 199)
- Brinkman, J. 2007. Influences of human disturbance and natural physical and chemical variables on biological community structure in streams of southern coastal Santa Barbara County, California, and an index of biological integrity. M.S., University of California. (sbc-id: 398)
- Bull, J. S. 2002. An Experimental Evaluation of Different Methods of Restoring *Phyllospadix torreyi* (Surfgrass). M.S., University of California, Santa Barbara. (sbc-id: 58)
- Carney, L. T. 2010. The Biology of Kelp Gametophyte Banks in a Southern California Kelp Forest. Ph.D., . (sbc-id: 667)
- Cavanaugh, K. C. 2011. Variability of Giant Kelp Forests in Southern California: Remote Assessment of Kelp Biomass and the Drivers of Kelp Forest Dynamics. PhD, University of California. (sbc-id: 808)
- Coombs, J. S. 2006. The impact of fire on hydrology and suspended sediment and nutrient export in southern California chaparral watersheds. M.S, University of California. (sbc-id: 330)
- Dellaripa, N. W. 2012. Methods for mapping chlorophyll biomass distributions below the euphotic zone in the Santa Barbara Channel, California. MS, University of California. (sbc-id: 928)
- Ellis, D. P. 2016. Best Methods for Measuring Ocean Currents from Underwater Gliders. M.S., Dept of Geography, University of California, Santa Barbara. (sbc-id: 1222)
- Emery, K. 2013. Does evidence matter? How middle school students make decisions about socioscientific issues. PhD, University of California. (sbc-id: 929)
- Emery, N. 2016. Summer Fog and Live Fuel Moisture in Coastal Californian Shrubland Ecosystems. Ph.D., Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara. (sbc-id: 1219)
- Goodman, D. 2008. Effective estuarine management: A case study of a California estuary and its ecological and political characteristics. Ph.D., University of California, Santa Barbara. (sbc-id: 537)
- Goodman, J. 2011. Studies of phytoplankton dynamics and harmful algal blooms in the Santa Barbara, California near-shore shelf system. M.S., . (sbc-id: 713)
- Goodridge, B. M. 2014. Nitrogen dynamics in coastal California watersheds, beaches, and the nearshore ocean. Ph.D., University of California, Santa Barbara. (sbc-id: 1058)
- Guenther, C. M. 2010. Socio-economic impacts of marine reserves on the California spiny lobster (*Panulirus interruptus*) fishery in the Santa Barbara Channel. Ph.D., . (sbc-id: 668)
- Halewood, E. R. 2010. Studies of microbial and dissolved organic matter dynamics across the Santa Barbara near-shore shelf system. M.S., . (sbc-id: 698)
- Hanan, E. . 2016. Biogeochemical responses to fire in coastal chaparral ecosystems. Ph.D., University of California, Santa Barbara. (sbc-id: 1163)
- Hargarten, H. 2015. A tale of two morphs: genetic and genotypic structure between *Macrocystis pyrifera* and *Macrocystis integrifolia*. M.S., University of Wisconsin, Milwaukee. (sbc-id: 1134)
- Harrer, S. 2010. Abundance derived estimates of understory macroalgal community standing biomass and net primary production. M.S., . (sbc-id: 715)

- Hendriks Freitas, F. 2016. Space-time variability of bio-optical properties in the Southern California Bight. Ph.D., Dept of Geography, University of California, Santa Barbara. (sbc-id: 1220)
- Kapsenberg, L. 2015. Coastal ocean pH variability in the context of global change biology. Ph.D., University of California, Santa Barbara. (sbc-id: 1135)
- Kay, M. 2011. Community Based Fisheries Research on California Spiny Lobster (*Panulirus interruptus*) at the Santa Barbara Channel Islands. PhD, University of California. (sbc-id: 811)
- Kinlan, B. P. 2007. Quantitative spatial ecology of benthic ecosystems in temperate coastal upwelling zones. Ph.D., Ecology, Evolution and Marine Biology. (sbc-id: 669)
- Klose, K. 2007. Complex effects of an invasive consumer *Procambarus clarkii* on stream communities in Southern California and Hawaii. Ph.D., Dept. of Ecology, Evolution and Marine Biology. (sbc-id: 539)
- Kostadinov, T. S. 2009. Satellite Retrieval of Phytoplankton Functional Types and Carbon via the Particle Size Distribution. Ph.D., University of California, Santa Barbara. (sbc-id: 541)
- Lester, S. E. 2007. Marine macroecology: The effects of dispersal and reproductive output on species' geographic distributions. Ph.D., University of California. (sbc-id: 467)
- Levenbach, S. 2007. Community-wide ramifications of an associational defense on shallow temperate reefs. Ph.D., Department of Ecology, Evolution and Marine Biology. (sbc-id: 468)
- Meerdink, S. K. 2014. Linking Seasonal Foliar Traits to VSWIR-TIR spectroscopy Across California Ecosystems. M.S., Geography Department, University of California, Santa Barbara. (sbc-id: 1079)
- Melton, C. 2008. Propagating warm poleward flows around Point Conception following wind relaxations. M.S., University of California, Santa Barbara. (sbc-id: 627)
- Nickols, K. J. 2012. The coastal boundary layer: patterns, mechanism and ecological effects of decreased alongshore transport. PhD, University of California, Davis. (sbc-id: 848)
- Okamoto, D. 2014. The role of fluctuating food supply on recruitment, survival and population dynamics in the sea. Ph.D., University of California, Santa Barbara. (sbc-id: 1060)
- Otero, M. P. 2002. Spatial and Temporal Characteristics of Sediment Plumes and Phytoplankton Blooms in the Santa Barbara Channel. M.S., Department of Geography. (sbc-id: 60)
- Peterson, S. H. 2011. Fire risk in California. PhD, University of California. (sbc-id: 809)
- Rassweiler, A. R. 2008. Mechanisms underlying community shifts in the Santa Barbara Channel. Ph.D., Ecology, Evolution and Marine Biology. (sbc-id: 628)
- Rennebarth, T. 2002. Impact of nutrients on diatom communities in a California Salt Marsh (Einflüsse von Nährstoffeinträgen auf die Diatomeengesellschaften einer kalifornischen Salzmarsch). M.S., Technical University of Munich, Limnological Field Station at the Osterseen. (sbc-id: 59)
- Revell, D. L. 2007. Long term and storm event changes to the Santa Barbara sandshed. Ph.D., . (sbc-id: 475)
- Robinson, T. H. 2006. Catchment and sub-catchment scale linkages between land use and nutrient concentrations and fluxes in coastal California streams. Ph.D., Bren School of Environmental Science and Management. (sbc-id: 280)
- Rodriguez, G. E. 2014. Turnover dynamics of the giant kelp, *Macrocystis pyrifera*. Ph.D., University of California, Santa Barbara. (sbc-id: 1065)
- Rossiter, M., M. Debner, J. Siew, C. Ciarametaro and D. Beck. 2007. Evaluation of rainfall-runoff relationships to inform development of an incentive program for stormwater pollution reduction in South Coast watersheds. MESM Group Project, Master of Environmental Science and Management. (sbc-id: 512)
- Schwager, K. 2005. Surface gas flux and chemical composition of marine hydrocarbon seeps at Coal Oil Point, California. M.S., Interdepartmental Graduate Program in Marine Science. (sbc-id: 281)
- Shields, C. 2012. Ecohydrologic model uncertainty and application in an urban environment: the RHESys model in Mission Creek. Ph.D., University of California, Santa Barbara. (sbc-id: 1057)
- Simpson, J. C. 2006. The effects of natural and anthropogenic perturbations on stream primary producer communities in southern California. Ph.D., . (sbc-id: 329)
- Warrick, J. A. 2002. Short-term (1997-2000) and long-term (1928-2000) observations of river water and sediment discharge to the Santa Barbara Channel. Ph.D., University of California, Santa Barbara. (sbc-id: 31)
- Watson, J. R. 2011. Ocean connectivity and nearshore marine species population dynamics. PhD, . (sbc-id: 731)
- Windecker, L. 2016. Extracellular Release in Marine Phytoplankton. Ph.D., Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara. (sbc-id: 1221)
- Wong, S. H. 2014. Oceanography at the land-sea interface: linking physics to human health and ecosystems. Ph.D., Department of Civil and Environmental Engineering, Stanford University. (sbc-id: 1129)
- Young, M. . 2014. A Landscape Ecology Approach to Informing the Ecology and Management of Coastal Marine Species and Ecosystems. Ph.D., University of California, Santa Cruz. (sbc-id: 1064)

## Reports and Contributions to Conference Proceedings

- Airame, S., S. D. Gaines and C. Caldwell. 2003. Ecological Linkages: Marine and Estuarine Ecosystems of Central and Northern California. Rpt. No. , NOAA, National Ocean Service, Silver Springs, MD. 164pp. (sbc-id: 148)
- Beck, M. W., R. D. Brumbaugh, L. Airoidi, A. Carranza, L. D. Coen, C. Crawford, O. Defeo, G. J. Edgar, B. Hancock, M. C. Kay, H. S. Lenihan, M. W. Luckenbach, C. L. Toropova and G. F. Zhang. 2009. Shellfish reefs at risk: A global analysis of problems and solutions. The Nature Conservancy, Arlington VA. 52pp. (sbc-id: 637)

- Bose, R. K. 2002. A conceptual framework for composing and managing scientific data lineage. In: Proceedings of the 14th International Conference on Scientific and Statistical Database Management (SSDBM 2002). June 2004. (IEEE Computer Society). (sbc-id: 33)
- Bose, R. K. and J. Frew. 2004. Composing lineage metadata with XML for custom satellite-derived data products. In: Proceedings of the 16th International Conference on Scientific and Statistical Database Management (SSDBM 2004). June 2004. (IEEE Computer Society). (sbc-id: 253)
- Busse, L. B., J. C. Simpson, S. D. Cooper, K. Kramer and E. Stein. 2003. A survey of algae and nutrients in the Malibu Creek watershed. Rpt. No. 412, Southern California Coastal Watershed Research Project. pp. (sbc-id: 524)
- Collins, S. L., S. M. Swinton, C. W. Anderson, B. J. Benson, J. Brunt, T. L. Gragson, N. B. Grimm, J. M. Grove, D. Henshaw, A. K. Knapp, G. P. Kofinas, J. J. Magnuson, W. H. McDowell, J. M. Melack, J. C. Moore, L. Odgen, J. H. Porter, O. J. Reichman, G. P. Robertson, M. D. Smith, J. Vande Castle and A. C. Whitmer. 2007. Integrative Science for Society and the Environment: A strategic research initiative. Rpt. No. 24, LTER Network Publication. 35pp. (sbc-id: 527)
- Dugan, J. E., D. M. Hubbard and H. M. Page. 2005. Ecological effects of grooming on exposed sandy beaches in Southern California. In: Proceedings of the Conference. Oct. 27-30, 2002. (American Society of Civil Engineers). (sbc-id: 285)
- Dugan, J. E. and D. M. Hubbard. 2010. Ecological effects of coastal armoring: A summary of recent results for exposed sandy beaches in southern California. In: Shipman, H., Dethier, M.N., Gelfenbaum, G., Fresh, K.L., and Dinicola, R.S., eds., Puget Sound Shorelines and the Impacts of Armoring—Proceedings of a State of the Science Workshop, May 2009. Rpt. No. 2010-5254, U.S. Geological Survey Scientific Investigations. 262pp. (sbc-id: 709)
- Dugan, J. E. 2010. Responses in Marine Habitats: Sandy Beach Habitat. Section 6.4 in Climate Change Impacts: Gulf of the Farallones and Cordell Bank National Marine Sanctuaries. Report of a Joint Working Group of the Gulf of the Farallones and Cordell Bank National Marine Sanctuaries Advisory Councils. Eds. J. Largier, B. Cheng, K. Higgason. Marine Sanctuaries Conservation Series. Rpt. No. ONMS-11-04, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Office of National Marine Sanctuaries, Silver Spring, MD. 121pp. (sbc-id: 847)
- Ellis, D. P., L. Washburn, J. C. Ohlmann and C. Gotschalk. 2015. Improved methods to calculate depth-resolved velocities from glider-mounted ADCPs. In: Proceedings of the Eleventh Current, Waves, and Turbulence Measurement Workshop (CWTM). 2-6 March 2015. Petersburg, FL.(IEEE). (sbc-id: 1092)
- Frew, J. and R. K. Bose. 2001. Earth System Science Workbench: A data management infrastructure for earth science products. In: Proceedings of the 13th International Conference on Scientific and Statistical Database Management (SSDBM 2001). July 2001. (IEEE Computer Society). (sbc-id: 5)
- Johnson, L. T., H. M. Page, C. S. Culver and J. E. Dugan. 2012. Fouling Dynamics and Control Research and Outreach Assessment to Assist California's Coastal Boaters in Reducing Risks from Hull-Borne Invasive Species. Final Study Report. Rpt. No. 07-106-111, California Division of Boating and Waterways. (sbc-id: 1018)
- Kay, M. C., H. S. Lenihan, C. J. Miller and K. Barsky. 2008. Numbers, body sizes and movement of lobster. Rpt. No. In: Ariame, S and J. Ugoretz. Channel Islands Marine Protected Areas: First 5 Years of Monitoring: 2003-2008, California Department of Fish and Game. (sbc-id: 538)
- Kinlan, B. P., M. H. Graham and J. M. Erlandson. 2005. Late Quaternary change in the size and shape of the California Channel Islands: implications for marine subsidies to terrestrial communities. In: Proceedings of the 6th California Islands Symposium. Dec 1-3, 2003. (Institute for Wildlife Studies, Arcata, CA). (sbc-id: 273)
- Klose, K., S. D. Cooper and A. P. Leydecker. 2009. An assessment of numeric algal and nutrient targets for Ventura River Watershed Nutrient Total Maximum Daily Loads (TMDL). Rpt. No. , Los Angeles Regional Water Quality Control Board. 154pp. (sbc-id: 540)
- Klose, K., S. D. Cooper and A. P. Leydecker. 2009. An assessment of numeric algal and nutrient targets for Ventura River Watershed Nutrient Total Maximum Daily Loads (TMDLs). Rpt. No. , State Water Resources Control Board Contract 07-112-140. 154pp. (sbc-id: 650)
- Melack, J. M. and S. D. Cooper. 2008. Development of a Stream Monitoring Program for Santa Rosa Island. Rpt. No. , Channel Islands National Park. 36pp. (sbc-id: 548)
- Nielsen, K. J., S. G. Morgan and J. E. Dugan. 2013. Baseline Characterization of Sandy Beach Ecosystems in California's North-Central Coast Region. Final Report to the Ocean Science Trust. Rpt. No. 07-106-111, California Ocean Protection Council and California Sea Grant. 118pp. (sbc-id: 1019)
- O'Brien, M. C. and S. Harrer. 2008. Processing and quality control of kelp forest community survey data. In: Proceedings of the Environmental Information Management Conference. September 2008. (LTER and NCEAS). (sbc-id: 552)
- Rahimi, A. M., R. J. Miller, D. V. Fedorov, S. Sunderrajan, B. M. Doheny, H. M. Page and B. S. Manjunath. 2014. Marine Biodiversity Classification using Dropout Regularization. In: 2014 ICPR Workshop on Computer Vision for Analysis of Underwater Imagery (CVAUI). 24-28 August 2014. Stockholm, Sweden.(IEEE). (sbc-id: 1056)
- Robinson, T. H., A. P. Leydecker, J. M. Melack and A. A. Keller. 2002. Nutrient Concentrations in Southern California Streams related to Land Use. In: Coastal Water Resources - Proceedings of the 2002 Spring Specialty Conference. May 13-15, 2002. (American Water Resources Association (Middleburg, VA)). (sbc-id: 34)
- Robinson, T. H., A. P. Leydecker, J. M. Melack and A. A. Keller. 2005. Santa Barbara Coastal Long Term Ecological Research (LTER): Nutrient concentrations in coastal streams and variations with land use in the Carpinteria Valley, California. In: Proceedings of the Conference. Oct. 27-30, 2002. (American Society of Civil Engineers). (sbc-id: 284)
- Robinson, T. H., A. P. Leydecker, A. A. Keller and J. M. Melack. 2003. Nutrient export coefficient modeling in Mediterranean coastal streams. In: Proceedings of the VI Inter-Regional Conference on Environment-Water, Land and Water Use Planning and Management. September 2003. (Centro Regional de Estudios de Agua). (sbc-id: 331)
- Saunders, W., S. Bowers and M. C. O'Brien. 2011. Protege Extensions for Scientist-Oriented Modeling of Observation and Measurement Semantics. In: Proceedings of the 8th International Workshop on OWL: Experiences and Directions (OWLED 2011, San Francisco, CA). 5-6 June 2011. (Center for European Union Research (CEUR)). (sbc-id: 857)



Schroeter, S. C., H. M. Page, J. E. Dugan, C. C. Culver, B. Steele, R. Guitierrez and D. Kushner. 2009. Scales of variability in larval settlement within the Channel Islands National Marine Sanctuary and along the mainland coast. In: Proceedings of the 7th California Islands Symposium. pp151-160. (Institute for Wildlife Studies, Arcata, CA). (sbc-id: 629)

### **Audio-Visual Resources**

Alberto, F. 2010. Stepping stones of diversity: the Santa Barbara landscape and giant kelp genetics. Project Oceanography, University of South Florida. Tampa, FL. (sbc-id: 813)

Dugan, J. E. 2002. Hopping with Life: The Ecology of Kelp on the Beach. The Ocean Channel (for Ty Warner Sea Center). Carpinteria, CA. (sbc-id: 51)

Fangman, S. and D. A. Siegel. 2002. Satellite Views of Plumes and Blooms in the Santa Barbara Channel (in) Channel Islands I: Introduction to Channel Islands National Marine Sanctuary. Project Oceanography, University of South Florida. Tampa, FL. (sbc-id: 50)