

## LIST OF REFERENCES

- Airoldi, L. 2003. The effects of sedimentation on rocky coast assemblages. *Oceanography and Marine Biology: an Annual Review*. 41:161-236.
- Ambrosi, D., A. Isensee, and J. Macchia. 1978. Distribution of ozadiazon and phosalone in an aquatic model ecosystem. *American Chemical Society* 26 (1): 50-53.
- Atlantic States Marine Fisheries Commission. 2002. Beach Nourishment: A review of the Biological and Physical Impacts. ASMFC Habitat Management Series #7. 179pp.
- Ault, J. S. 1985. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (Pacific Southwest) -- black, green, and red abalones. U.S. Fish & Wildlife Service Biological Report 82 (11.32), U.S. Army Corps of Engineers, TR EL-82-4. U.S. Department of the Interior, Washington, D.C.
- Bergen, M. 1971. Growth, feeding, and movement in the black abalone, *Haliotis cracherodii* Leach 1814. Master's thesis. University of California, Santa Barbara.
- Blecha, J. B., J. R. Steinbeck, and D. C. Sommerville. 1992. Aspects of the biology of the black abalone (*Haliotis cracherodii*) near Diablo Canyon, central California. Pages 225-236 in S. A. Shepherd, M. J. Tegner, and S. A. Guzmán del Próo, editors. Abalone of the world: Biology, fisheries, and culture. Proceedings of the 1st International Symposium on Abalone. Blackwell Scientific Publications Ltd., Oxford, U.K.
- Burton, R. S., and M. J. Tegner. 2000. Enhancement of red abalone *Haliotis rufescens* stocks at San Miguel Island: Reassessing a success story. *Marine Ecology Progress Series* 202:303-308.
- California Department of Fish and Game. 1993. California fishery data for black abalone 1956-1993.
- California Department of Water Resources (CDWR). 2003. Water desalination: Findings and recommendations. Prepared by the CDWR and Water Desalination Task Force, Sacramento, CA. 25 pp. Available online at: [http://www.water.ca.gov/desalination/pud\\_pdf/Findings-Recommendations.pdf](http://www.water.ca.gov/desalination/pud_pdf/Findings-Recommendations.pdf).
- Chambers, M. D., G. R. VanBlaricom, L. Hauser, F. Utter, and C. S. Friedman. 2006. Genetic structure of black abalone (*Haliotis cracherodii*) populations in the California islands and central California coast: Impacts of larval dispersal and decimation from withering syndrome. *Journal of Experimental Marine Biology and Ecology* 331:173-185.
- Cox, K. W. 1962. California abalones, family haliotidae. *California Department of Fish and Game, Fish Bulletin* 118:1-132.
- Crofts, D. R. 1937. The development of *Haliotis tuberculata* with special reference to the organogenesis during torsion. *Phil. Trans. Roy. Soc. Lond. Ser. B* 228:219-268.
- Crowe, T. P., R. C. Thompson, S. Bray, and S. J. Hawkins. 2000. Impacts of anthropogenic stress on rocky intertidal communities. *Journal of Aquatic Ecosystem Stress and Recovery* 7:273-297.
- Douros, W. J. 1985. Density, growth, reproduction, and recruitment in an intertidal abalone: Effects of intraspecific competition and prehistoric predation. Master's thesis. University of California, Santa Barbara.

- Douros, W. J. 1987. Stacking behavior of an intertidal abalone: An adaptive response or a consequence of space limitation? *Journal of Experimental Marine Biology and Ecology* **108**:1-14.
- Ebert, E. E., and R. M. Hamilton. 1983. Ova fertility relative to temperature and to the time of gamete mixing in the red abalone, *Haliotis rufescens*. *California Fish and Game* **69**:115-120.
- Eppley, R. W., A. F. Carlucci, O. Holm-Hansen, D. Kiefer, J. J. McCarthy and P. M. Williams. 1972. Evidence for eutrophication in the sea near southern California coastal sewage outfalls- July; 1970. *Calif. Mar. Res. Comm.*, CALCOFI Rept., **16**:74-83.
- Feely, R. A., C. L. Sabine, K. Lee, W. Berelson, J. Kleypas, and V. J. Fabry. 2004. Impact of anthropogenic CO<sub>2</sub> on the CaCO<sub>3</sub> system in the oceans. Pages 362-366 *in* Science.
- Friedman, C. S., W. Biggs, J. D. Shields, P. L. Haaker, C. Chun, and R. P. Hedrick. 1997. An examination of four potential etiologies of WS: Temperature, food availability, renal coccidia, and Rickettsiales-like prokaryotes. *in Third International Abalone Symposium: Biology, fisheries, and culture*, Monterey, CA, October 26-31, 1997.
- Gardner, G. R., J. C. Harshbarger, J. L. Lake, T. K. Sawyer, K. L. Price, M. D. Stephenson, P. L. Haaker, and H. A. Togstad. 1995. Association of prokaryotes with symptomatic appearance of withering syndrome in black abalone *Haliotis cracherodii*. *Journal of Invertebrate Pathology* **66**:111-120.
- Geiger, D. L. 1999. Distribution and biogeography of the recent Haliotidae (Gastropoda: Vetigastropoda) worldwide. *Boll. Malacologico* **35**:57-120.
- Geiger, D.L. 2003. Phylogenetic assessment of characters proposed for the generic classification of Recent Scissurellidae (Gastropoda: Vetigastropoda) with a description of one new genus and six new species from Easter Island and Australia. *Molluscan Research* **23**, 21–83.
- Gruenthal, K. M. 2007. Conservation genetics of California abalone species. Doctoral dissertation. University of California, San Diego, La Jolla, CA.
- Gruenthal, K. M. and R. S. Burton. 2008. Genetic structure of natural populations of the California black abalone (*Haliotis cracherodii* Leach, 1814), a candidate for endangered species status. *Journal of Experimental Marine Biology and Ecology*. **355**: 47-58.
- Haaker, P. L., D. O. Parker, and C. S. Y. Chun. 1995. Growth of black abalone, *Haliotis cracherodii* Leach, at San Miguel Island and Point Arguello, California. *Journal of Shellfish Research* **14**:519-525.
- Hall-Spencer, J. M., R.Rodolfo-Metalpa, S. Martin, E. Ransome, M. Fine, S. Turner, S. J. Rowley, D. Tedesco, and M-C. Buia. 2008. Volcanic carbon dioxide vents show ecosystem effects of ocean acidification. *Nature* **454**: 96-99.
- Hamm, D. E., and R. S. Burton. 2000. Population genetics of black abalone, *Haliotis cracherodii*, along the central California coast. *Journal of Experimental Marine Biology and Ecology* **254**:235-247.
- Harley, C. D. G., and L. Rogers-Bennett. 2004. The potential synergistic effects of climate change and fishing pressure on exploited invertebrates on rocky intertidal shores. *CalCOFI Reports* **45**:98-110.

- Hines, A., S. Anderson, and M. Brisbin. 1980. Heat tolerance in the black abalone *Haliotis cracherodii*: Effects of temperature fluctuation and acclimation. *Veliger* **23**:113-118.
- Hines, A. H., and J. S. Pearse. 1982. Abalones, shells, and sea otters: dynamics of prey populations in central California. *Ecology* **63**:1547-1560.
- Ino, T. 1952. Biological studies on the propagation of Japanese abalone (genus *Haliotis*). *Bull. Tokai Reg. Fish. Res. Lab.* **5**:1-102.
- Klamath Resource Information System, Watershed conditions: Roads and erosion. Available online at: <http://www.krisweb.com/watershd/roads.htm>
- Lafferty, K. D., and A. M. Kuris. 1993. Mass mortality of abalone *Haliotis cracherodii* on the California Channel Islands: tests of epidemiological hypotheses. *Marine Ecology Progress Series* **96**:239-248.
- Leighton, D., and R. A. Boolootian. 1963. Diet and growth in the black abalone, *Haliotis cracherodii*. *Ecology* **44**:227-238.
- Leighton, D. L. 1959. Diet and its relation to growth in the black abalone, *Haliotis cracherodii* Leach. Master's thesis. University of California, Los Angeles.
- Leighton, D. L. 1974. The influence of temperature on larval and juvenile growth in three species of southern California abalones. *Fishery Bulletin* **72**:1137-1145.
- Light, S. F. 1941. Laboratory and Field Text in Invertebrate Zoology. 1<sup>st</sup> Edition. Associated Students Store University of California. 233 pp.
- Littler, M. M., D. R. Martz and D. S Littler. 1983. Effects of recurrent sand deposition on rocky intertidal organisms: importance of substrate heterogeneity in a fluctuating environment. *Mar. Ecol. Prog. Ser.* **11**: 129-139.
- Los Angeles County Sanitation Districts (LACSD). 1997. Palos Verdes Ocean Monitoring: Annual Report 1996.
- Lowry, L. F., and J. S. Pearse. 1973. Abalones and sea urchins in an area inhabited by sea otters. *Marine Biology* **23**:213-219.
- Marshall, P. A., and G. J. Edgar. 2003. The effect of the *Jessica* grounding on subtidal invertebrate and plant communities at the Galapagos wreck site. *Marine Pollution Bulletin* **47**:284-295.
- Martello, L. B., and R. S. Tjeerdema. 2001. Combined effects of pentachlorophenol and salinity stress on chemiluminescence activity in two species of abalone. *Aquatic Toxicology* **51**:351-362.
- Martin, M., M. D. Stephenson, and J. H. Martin. 1977. Copper toxicity experiments in relation to abalone deaths observed in a power plant's cooling waters. *California Fish and Game* **63**:95-100.
- Martins, G. M., A. F. Amaral, F. M. Wallenstein, and A. I. Neto. 2009. Influence of a breakwater on a nearby rocky intertidal community structure. *Marine Environmental Research* **67**: 237-245.
- McShane, P. E. 1992. Early life history of abalone: A review. Pages 120-138 in S. A. Shepherd, M. J. Tegner, and S. A. Guzmán del Próo, editors. *Abalone of the world. Biology, fisheries, culture. Proceedings of the 1st International Symposium on Abalone*. Blackwell Scientific Publications Ltd., Oxford, U. K.
- Miller, A. C., and S. E. Lawrenz-Miller. 1993. Long-term trends in black abalone, *Haliotis cracherodii* Leach, 1814, populations along the Palos Verdes Peninsula, California. *Journal of Shellfish Research* **12**:195-200.

- Miner, C. M., J. M. Altstatt, P. T. Raimondi, and T. E. Minchinton. 2006. Recruitment failure and shifts in community structure following mass mortality limit recovery prospects of black abalone. *Marine Ecology Progress Series* **327**:107-117.
- Monterey Bay National Marine Sanctuary. Resource Management Issues: Desalination. Available online at:  
<http://montereybay.noaa.gov/resourcepro/resmanissues/desalination.html>
- Morris, R. H., D. L. Abbott, and E. C. Haderlie. 1980. Intertidal invertebrates of California. Stanford University Press, Palo Alto, CA.
- Morse, A. N. C., and D. E. Morse. 1984. Recruitment and metamorphosis of *Haliotis* larvae are induced by molecules uniquely available at the surfaces of crustose red algae. *Journal of Experimental Marine Biology and Ecology* **75**:191-215.
- Morse, D. E. 1990. Recent progress in larval settlement and metamorphosis: Closing the gaps between molecular biology and ecology. *Bulletin of Marine Science* **46**:465-483.
- Morse, D. E. 1992. Molecular mechanisms controlling metamorphosis and recruitment in abalone larvae. Pages 107-119 in S. A. Shepherd, M. J. Tegner, and S. A. Guzmán del Próo, editors. Abalone of the world: Biology, fisheries, and culture. Proceedings of the 1st International Symposium on Abalone. Blackwell Scientific Publications Ltd., Oxford, U.K.
- Morse, D.E., N. Hooker, H. Duncan, and L. Jensen. 1979a.  $\gamma$ -aminobutyric acid, a neurotransmitter, induces planktonic abalone larvae to settle and begin metamorphosis. *Science* **204**:407-410.
- Morse, D. E., N. Hooker, L. Jensen, and H. Duncan. 1979b. Induction of larval abalone settling and metamorphosis by  $\gamma$ -aminobutyric acid and its congeners from crustose red algae: II: Applications to cultivation, seed-production and bioassays; principal causes of mortality and interference. *Proc. World Maricult. Soc.* **10**:81-91.
- Murray, S. N. and M. M. Littler. 1974. Biological features of intertidal communities near the U.S. Navy sewage outfall, Wilson Cove, San Clemente Island, California. Naval Undersea Center. Technical Publication. [No. 396], 1-85. San Diego, California.
- NMFS. 2010. Designation of critical habitat for the endangered black abalone: Draft ESA section 4(b)(2) report. NMFS Southwest Region Protected Resources Division, Long Beach, CA.
- Raimondi, P. T., A. M. Barnett, and P. R. Krause. 1997. The effects of drilling muds on marine invertebrate larvae and adults. *Environmental Toxicology and Chemistry* **16**:1218-1228.
- Raimondi, P. T., C. M. Wilson, R. F. Ambrose, J. M. Engle, and T. E. Minchinton. 2002. Continued declines of black abalone along the coast of California: are mass mortalities related to El Nino events? *Marine Ecology-Progress Series* **242**:143-152.
- Ruesink, J. L., H. S. Lenihan, A. C. Trimble, K. W. Heiman, F. Micheli, J. E. Byers and M. C. Kay. 2005. Introduction of non-native oysters: Ecosystem effects and restoration implications. *Annu. Rev. Ecol. Syst.* **36**:643-689
- Shepherd, S. A., and P. A. Breen. 1992. Mortality of abalone: Its estimation, variability, and causes. Pages 276-304 in S. A. Shepherd, M. J. Tegner, and S. A. Guzmán del

- Próo, editors. Abalone of the world: Biology, fisheries, and culture. Blackwell Scientific Publications Ltd., Oxford, U.K.
- Shirayama, Y., and H. Thorton. 2005. Effect of increased atmospheric CO<sub>2</sub> on shallow water marine benthos. *J. Geophys. Res.* 110.
- Siegel, D. A., S. Mitarai, C. J. Costello, S. D. Gaines, B. E. Kendall, R.R. Warner, and K. B. Winters. 2008. The stochastic nature of larval connectivity among nearshore marine populations. *Proc. Natl. Acad. Sci.* 105(26): 8974-8979.
- Silver, J. and B. Riley. 2001. Environmental Impact of Pesticides Commonly Used on Urban Landscapes. Restoring Healthy School Landscapes. pp. 8-16.
- Smith, S. J. and P. Rago. 2004. Biological reference points for sea scallops (*Placopecten magellanicus*): the benefits and costs of being nearly sessile. *Canadian Journal of Fisheries and Aquatic Sciences* 61:1338-1354.
- State Water Resources Control Board (SWRCB). 1979. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Farallon Islands, San Francisco County Water Quality Monitoring Report. 132 pp.
- State Water Resources Control Board (SWRCB). 1979. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Pacific Grove Marine Garden Fish Refuge and Hopkins Marine Life Refuge, Monterey County Water Quality Monitoring Report No. 79-11. 180 pp.
- State Water Resources Control Board (SWRCB). 1979. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Carmel Bay, Monterey County Water Quality Monitoring Report No. 79-10. 176 pp.
- State Water Resources Control Board (SWRCB). 1979. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Santa Cruz Island, Santa Barbara County Water Quality Monitoring Report No. 79-8. 122 pp.
- State Water Resources Control Board (SWRCB). 1980. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Double Point, Marin County Water Quality Monitoring Report No. 79-15. 118 pp.
- State Water Resources Control Board (SWRCB). 1982. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: Santa Rosa Island, Santa Barbara County Water Quality Monitoring Report No. 81-6TS. 94 pp.
- State Water Resources Control Board (SWRCB). 1982. California Marine Water Areas of Special Biological Significance Reconnaissance Survey Report: San Miguel Island, Santa Barbara County Water Quality Monitoring Report No. 81-7TS. 92 pp.
- Steneck, R. S., Macintyre, I. G. & Reid, R. P. 1997. A unique algal ridge system in the Exuma Cays, Bahamas. *Coral Reefs* 16, 29-37.
- Surfrider Foundation. Liquified Natural Gas (LNG). <http://www.surfrider.org/az/LNG.php>
- Tenera Environmental Services. 1999. Diablo Canyon Power Plant: Receiving water monitoring program: 1995-1998 progress report. Prepared for the Pacific Gas and Electric Company. Document No. E9-025.2, San Francisco, CA.
- Tetra Tech Inc. 2008. California's coastal power plants: Alternative cooling system analysis. Prepared for the California Ocean Protection Council, Oakland, CA. 749pp. Available online at:

- <http://www.opc.ca.gov/2009/05/california%e2%80%99s-coastal-power-plants-alternative-cooling-system-analysis/>.
- Thompson, R. C., T. P. Crowe, and S. J. Hawkins. 2002. Rocky intertidal communities: past environmental changes, present status and predictions for the next 25 years. *Environmental Conservation* 29 (2):168-191.
- Tierra Data Inc., 2008. Naval Auxiliary Landing Field, San Clement Island Black Abalone (*Haliotis cracherodii*) Survey. Unpublished report for the Naal Facilities Engineering Command Southwest, San Diego, CA.
- Tissot, B. N. 1995. Recruitment, growth, and survivorship of black abalone on Santa Cruz Island following mass mortality. *Bulletin of the Southern California Academy of Sciences* 94:179-189.
- Tissot, B. N. 2007. Long-term population trends in the black abalone, *Haliotis cracherodii*, along the eastern Pacific coast. Unpublished report for the Office of Protected Resources, Southwest Region, National Marine Fisheries Service, Long Beach, CA.
- Trapido-Rosenthal, H. G., and D. E. Morse. 1986. Availability of chemosensory receptors is down-regulated by habituation of larvae to a morphogenetic signal. *Proceedings of the National Academy of Sciences USA* 83:7658-7662.
- UK Marine Special Areas of Conservation. 2001. Dredging and disposal: Settlement of suspended sediments. Available online at:  
[http://www.ukmarinesac.org.uk/activities/ports/ph5\\_2\\_6.htm](http://www.ukmarinesac.org.uk/activities/ports/ph5_2_6.htm)
- U.S. Army Corps of Engineers. 2001. Shore Protection Benefits: Part 2. 40 pp. Available online at:  
[http://www.saw.usace.army.mil/coastal/ShoreProtectionBenefits\\_Part2.pdf](http://www.saw.usace.army.mil/coastal/ShoreProtectionBenefits_Part2.pdf)
- U.S. Federal Register, Volume 73, No. 8, Page 1986. January 11, 2008. Endangered and threatened wildlife and plants; proposed endangered status for black abalone.
- U.S. Federal Register, Volume 74, No. 9, Page 1937. January 14, 2009. Final rule: Endangered and threatened wildlife and plants; endangered status for black abalone.
- U.S. Fish and Wildlife Service. 1985. Black, green, and red abalones. National Wetlands Research Center, Lafayette, Louisiana.
- VanBlaricom, G. R., and R. J. Jameson. 1982. Lumber spill in central California waters: Implications for oil spills and sea otters. *Science* 215:1503-1505.
- VanBlaricom, G. R. 1993. Dynamics and distribution of black abalone populations at San Nicolas Island, California. Pages 323-334 in F. G. Hochberg, editor. *Third California Islands Symposium: recent advances in research on the California Islands*. Santa Barbara Museum of Natural History, Santa Barbara, CA.
- VanBlaricom, G., M. Neuman, J. Butler, A. DeVogelaere, R. Gustafson, C. Mobley, D. Richards, S. Rumsey, and B. Taylor. 2009. Status review report for black abalone (*Haliotis cracherodii* Leach, 1814). U.S. Department of Commerce, National Oceanic and Atmospheric Administration. National Marine Fisheries Service, Long Beach, CA.
- Vilchis, L. I., M. J. Tegner, J. D. Moore, C. S. Friedman, K. L. Riser, T. T. Robbins, and P. K. Dayton. 2005. Ocean warming effects on growth, reproduction, and survivorship of southern California abalone. *Ecological Applications* 15:469-480.

- Weaver, W. E. and D. K. Hagans. 1994. Handbook for forest and ranch roads: A guide for planning, designing, constructing, reconstructing, maintaining, and closing wild land roads ("The Green Book"). Pacific Watershed Associates. Available online at:  
[http://www.cpoabigsur.org/Community/Road\\_Maintenance/Road\\_Maintenance\\_Main.html](http://www.cpoabigsur.org/Community/Road_Maintenance/Road_Maintenance_Main.html).]
- Webber, H. H., and A. C. Giese. 1969. Reproductive cycle and gametogenesis in the black abalone *Haliotis cracherodii* (Gastropoda: Prosobranchiata). *Marine Biology* **4**:152-159.
- Wolanski, E., and S. Spagnol. 2000. Sticky waters in the Great Barrier Reef. *Estuarine, Coastal and Shelf Science* **50**:27-32.
- Young, P. H. 1964. Some effects of sewer effluent on marine life. *California Fish and Game* **50**:33-41.
- Zeidberg, L. D., and W. M. Hamner. 2002. Distribution of squid paralarvae, *Loligo opalescens* (Cephalopoda: Myopsida), in the Southern California Bight in the three years following the 1997-1998 El Nino. *Marine Biology* **141**:111-122.