

## PETER T. RAIMONDI

Department of Biology- Ecology and Evolution  
University of California  
Santa Cruz, CA

**Projects:** *Effects of Produced Water on Complex Behavior Traits of Invertebrate Larvae and Algal Zoospores*  
*Effects of Temporal and Spatial Separation of Samples on Estimation of Impacts*  
*Shoreline Inventory of Intertidal Resources of San Luis Obispo and Northern Santa Barbara Counties*

**Education:** B.A. Philosophy, Northern Arizona University 1976  
Ph.D. Biology, University of California, Santa Barbara 1988

**Positions:** 2003-Present Chair, Department of Ecology and Evolutionary Biology, UC Santa Cruz  
2002-Present Professor, Department of Ecology and Evolutionary Biology, UC Santa Cruz  
1999-2002 Associate Professor, Department of Biology, University of California, Santa Cruz  
1996-1999 Assistant Professor, Department of Biology, University of California, Santa Cruz  
1992-1996 Assistant Research Biologist, Marine Science Institute, University of California, Santa Barbara  
1991-1992 Post-doctoral Research Biologist, Marine Science Institute, University of California, Santa Barbara  
1989-1991 Research Fellow, Australian Research Council Fellowship, University of Melbourne, Department of Zoology  
1988-1989 Research Fellow, University of Melbourne Research Fellowship  
1987-1988 Post-doctoral Researcher, University of California, Santa Barbara  
1986-1990 Environmental Consultant, Marine Review Committee

**Distinctions:** 1976 President's Scholarship for Academic Excellence. Northern Arizona University  
1981-1982 Dean's Award for Academic Excellence, University of Arizona  
1984 Sigma Xi Grant-in-Aid of Research  
1986 University of California Patent Fund  
1987-1988 Office of Naval Research Postdoctoral Fellowship  
1988-1989 University of Melbourne Research Fellowship  
1989-1991 Australian Research Council Fellowship

### Selected Publications:

Reed, D.C., P.T. Raimondi, L. Washburn, B. Gaylord, B.P. Kinlan, and P.T. Drake. 2005. A metapopulation perspective on patch dynamics and connectivity in giant kelp. In: P. Sale and J Kritzer eds. Marine metapopulations. *Academic Press* (in press).

Raimondi, P.T., D.C. Reed, L. Wasburn, and B. Gaylord. 2004. Effect of self-fertilization in the giant kelp *Macrocystis pyrifera*. *Ecology* **85**:3267-3276.

Menge, B.A., C. Blanchette, P.T. Raimondi, S. Gaines, J. Lubchenco, D. Lohse, G. Hudson, M. Foley, and J. Pamplin. Geographic variation in keystone predation: a whole-coast experiment. *Ecological Monographs* **74**:663-684.

Reed, D.C., S.C. Schroeter and P.T. Raimondi. 2004. Spore supply and habitat availability as sources of recruitment limitation in giant kelp, *Macrocystis Pyrifera*. *Journal of Phycology* **40**:275-284.

Forde, S.E. and P.T. Raimondi. 2004. An experimental test of the effects of variation in recruitment intensity on intertidal community structure. *Journal of Experimental Marine Biology and Ecology* **301**:1-14.

Luengen, A.C., C.S. Friedman, P.T. Raimondi, and A.R. Flegal. 2004. Evaluation of immune responses as indicators of contamination in San Francisco Bay, CA; Development of a novel phagocytosis and phagocytic index method for mussels. *Marine Environmental Research*. **57**(3):197-212.

- Gaylord, B., D.C. Reed, L. Washburn and P.T. Raimondi. 2004. Physical-biological coupling in spore dispersal of kelp forest macroalgae. *Journal of Marine Systems* **49**:19-39.
- Raimondi, P.T., D. Lohse, and C. Blanchette. 2003. Unexpected dynamism in zonation and abundance revealed by long-term monitoring on rocky shores. *Ecological Society of America Annual Meeting* **88**:275.
- Gaylord, B., 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**(5):1239-1251.
- 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.
- Carr, M.H. and P.T. Raimondi. 2000. Concepts relevant to the design and evaluation of harvest reserves. Proceedings of workshop on rockfish refugia.
- Raimondi, P.T. and A.N.C. Morse. 2000. The consequences of complex larval behavior in a coral. *Ecology* **81**(11):3193-3211.
- Raimondi, P.T., S.E. Forde, L.F. Delph, and C.M. Lively. 2000. Processes structuring communities: evidence for trait-mediated indirect effects through induced polymorphisms. *Oikos* **91**(2):353-361.
- Reed, D.C., P.T. Raimondi, M.H. Carr, and L. Goldwasser. 2000. The role of dispersal and disturbance in determining spatial heterogeneity in sedentary organisms. *Ecology* **81**(7):2011-2026.
- Carr, M.H. and P.T. Raimondi. 1999. Marine protected areas as a precautionary approach to management. *California Cooperative Oceanic Fisheries Investigations Report* **40**:71-76.
- 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* **16-6**:1218-1228.
- Altstatt, J.A., R.F. Ambrose, J.M. Engle, P.L. Haaker, K.D. Lafferty, and P.T. Raimondi. 1996. Recent declines of black abalone *Haliotis cracherodii* on the mainland coast of central California. *Marine Ecology Progress Series* **142**:185-192.
- Keough, M.J. and P.T. Raimondi. 1996. Responses of settling invertebrate larvae to bioorganic films: Effects of large-scale variation in films. *Journal of Experimental Marine Biology and Ecology* **207**:59-78.
- Raimondi, P.T. and D. Reed. 1996. Determining the spatial extent of ecological impacts caused by local anthropogenic disturbances in coastal marine habitats. Pp. 179-198 in: *Detecting Ecological Impacts: Concepts and Applications in Coastal Habitats*, R.J. Schmitt and C.W. Osenberg, eds. Academic Press, San Diego, CA.
- Keough, M.J. and P.T. Raimondi. 1995. Responses of settling invertebrate larvae to microbial films, II: Effects of different types of films. *Marine Ecology Progress Series* **185**:235-253.
- Morse, D.E., A. Morse, N. Hooker, and P.T. Raimondi. 1994. Morphogen-based chemical flypaper for *Agaricia humilis* larvae. *Biological Bulletin* **186**:172-181.
- Lively, C.M., P.T. Raimondi, and L.F. Delph. 1993. Intertidal community structure: space-time interactions in the Northern Gulf of California. *Ecology* **74**:162-173.
- Keough, M.J. and P.T. Raimondi. 1992. Robustness of estimates of recruitment rates for sessile marine invertebrates. Recruitment Workshop Proceedings. *Australian Society of Fisheries Biologists*.
- Raimondi, P.T. 1992. Adult plasticity and rapid larval evolution in a recently isolated barnacle population. *Biological Bulletin* **182**:210-220.