

RICHARD F. AMBROSE

Environmental Science and Engineering Program
Department of Environmental Health Sciences
University of California
Los Angeles, CA

Projects: *Inventory of Rocky Intertidal Resources in Southern Santa Barbara, Ventura and Los Angeles Counties*

Education:	B.S.	University of California, Irvine	1975
	Ph.D.	University of California, Los Angeles	1982

Positions:	2000-present	Professor, Environmental Science and Engineering Program, Department of Environmental Health Sciences, University of California, Los Angeles
	1998-present	Director, Environmental Science and Engineering Program, UCLA
	1992-2000	Associate Professor, Environmental Science and Engineering Program, Department of Environmental Health Sciences, UCLA
	1991-present	Associate Research Biologist, Marine Science Institute, University of California, Santa Barbara
	1985-1991	Assistant Research Biologist, Marine Science Institute, University of California, Santa Barbara
	1983-1984	Postdoctoral Fellow, Department of Biological Sciences, Simon Fraser University, Burnaby, B.C., Canada
	1982	Visiting Lecturer, Department of Biology, University of California, Los Angeles
	1976-1981	Teaching Assistant, Department of Biology, University of California, Los Angeles

Major Research Interests:

- Restoration ecology, especially for coastal marine and estuarine environments
- Development and scientific evaluation of mitigation techniques
- Long-term ecological monitoring
- Development of habitat valuation techniques
- Ecology of artificial and natural reefs
- Ecology of Coastal wetlands and estuaries
- Marine ecology
- Interface between environmental biology and resource management policy

Selected Publications:

Shuman, C.S., G. Hodgson, and R.F. Ambrose. 2004. Managing the Marine Aquarium Trade: Is Eco-Certification the Answer? *Environmental Conservation* **31**(4):339-348.

Vance, R.R., R.F. Ambrose, S.S. Anderson, S. MacNeil, T. McPherson, I. Beers and T.W. Keeney. 2003. Effects of sewage sludge on the growth of potted salt marsh plants exposed to natural tidal inundation. *Restoration Ecology* **11**:155-167.

Shuman, C.S. and R.F. Ambrose. 2003. A comparison of remote sensing and ground-based methods for monitoring wetland restoration success. *Restoration Ecology* **11**:325-333.

Page, H.M., S. Schroeter, D. Reed, R.F. Ambrose, J. Callaway and J. Dixon. 2003. An inexpensive method to identify the elevation of tidally inundated habitat in coastal wetlands. *Bulletin of the Southern California Academy of Sciences* **102**:130-142.

- Forrester, G. E., B.I. Fredericks, D. Gerdeman, B. Evans, M.A. Steele, K. Zayed, L.E. Schweitzer, I.H. Suffet, R.R. Vance, and R.F. Ambrose. 2003. Correspondence between field-measured growth rates of fish from several California estuaries and the inferred toxicity of multiple sediment contaminants. *Marine Environmental Research* **56**:423-442.
- Moeller, A., S.D. MacNeil, R.F. Ambrose, and S. S. Que Hee. 2003. Elements in fish of Malibu Creek and Malibu Lagoon near Los Angeles, California. *Marine Pollution Bulletin* **46**:424-429.
- Raimondi PT, C.M. Wilson, R.F. Ambrose, J.M. Engle, 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.
- Sudol, M.F. and R.F. Ambrose. 2002. The US Clean Water Act and habitat replacement: Evaluation of mitigation sites in Orange County, California. *Environmental Management* **30**:727-734.
- Boyer, K.E., P. Fong, R.R. Vance and R.F. Ambrose. 2001. *Salicornia virginica* in a Southern California salt marsh: seasonal patterns and a nutrient enrichment experiment. *Wetlands* **21**(3):315-326.
- Cohen, T., S.S. Que Hee and R.F. Ambrose. 2001. Comparison of trace metal concentrations in fish and invertebrates in three Southern California wetlands. *Marine Pollution Bulletin* **42**:224-232.
- Downs TJ, and R.F. Ambrose. 2001. Syntropic ecotoxicology: A heuristic model for understanding the vulnerability of ecological systems to stress. *Ecosystem Health* **7**(4):266-283.
- Moeller, A, R.F. Ambrose, S.S.Q. Hee. 2001. A comparison of techniques for preparing fish fillet for ICP-AES multi-elemental analysis and the microwave digestion of whole fish. *Food Addit Contamination* **18**(1):19-29.
- Stein, E.D. and R.F. Ambrose. 2001. Landscape-scale analysis and management of cumulative impacts to riparian ecosystems: past, present and future. *Journal of American Water Resources Association* **37**(6):1597-1614.
- Ambrose, R.F. 2000. Wetland mitigation in the United States: Assessing the success of mitigation policies. *Wetlands (Australia)* **19**:1-27.
- Ambrose, R.F. and D.J Meffert. 1999. Fish-assemblage dynamics in Malibu Lagoon, a small, hydrologically altered estuary in southern California. *Wetlands* **19**:327-340.
- Lafferty, K., C. Swift and R.F. Ambrose. 1999. Extirpation and recovery of local populations of the endangered tidewater goby, *Eucyclogobius newberryi*. *Conservation Biology* **13**:1447-1453.
- Stein, E.D. and R. F. Ambrose. 1998. A rapid impact assessment method for use in a regulatory context. *Wetlands* **18**:379-392.
- Ambrose, R.F. 1997. Ecological value in restored coastal ecosystems. Pp. 67-86 in *Saving the Seas: Values, Scientists, and International Governance*, L.A. Brooks and S.D. VanDeveer, editors. Maryland Sea Grant College, College Park, MD.
- Dunaway, M.E., R.F. Ambrose, J. Campbell, J.M. Engle, M. Hill, Z. Hymanson, and D. Richards. 1997. Establishing a Southern California rocky intertidal monitoring network. Pp. 1278-1294. in *California and the World Ocean '97*, O.T. Magoon, H. Converse, B. Baird, and M. Miller-Henson, editors. American Society of Civil Engineers, Reston, Virginia.
- Engle, J.M., R.F. Ambrose, and P.T. Raimondi. 1997. Synopsis of the Interagency Rocky Intertidal Monitory Network Workshop. Final Report, OCS Study MMS 97-0012. U.S. Minerals Management Service, Pacific OCS Region. 18p.
- Palmer, M.A., N.L. Poff, and R.F. Ambrose. 1997. Ecological theory and community restoration ecology. *Restoration Ecology* **5**:291-300.