

## HUNTER S. LENIHAN

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**Projects:** *Ecological performance and trophic links: comparisons among platforms and natural reefs for selected fishes and their prey*  
*Relative importance of POCS oil platforms on the population dynamics of two reef fishes in the Eastern Santa Barbara Channel*

**Education:** B.S. Conservation of Natural Resources, University of California, Berkeley 1986  
M.S. Marine Sciences, Moss Landing Marine Laboratories, San Jose State University 1994  
Ph.D. Marine Sciences, University of North Carolina at Chapel Hill 1996

**Positions:** 2002-Present Assistant Professor, Donald Bren School of Environmental Science and Management, UCSB  
2001-2002 Assistant Research Biologist II, UCSB  
2001 Fishery Biologist, NOAA-National Marine Fisheries Service  
1998-2000 Postdoctoral Research, NSF, Office of Polar Programs  
1996-1997 Postdoctoral Research Associate, NRC, NOAA-National Marine Fisheries Service, Beaufort, NC  
1992-1996 Research assistant, Institute of Marine Sciences, University of North Carolina at Chapel Hill, NC  
1988-1992 Research assistant, Moss Landing Marine Laboratories, Moss Landing, CA

### Grants and Awards:

2002-2004 US Minerals Management Service  
1999-2000 National Geographic Society  
1997-2000 National Science Foundation  
1996-1997 National Marine Fisheries Service

### Selected Publications:

- Lenihan, H.S. and M. Adjeroud. Physical-biological coupling on coral reefs: current flow reduces coral bleaching and mortality. *Oecologia* (submitted).
- Powers, S.P., C.H. Peterson, J.H. Grabowski and H.S. Lenihan. The realities of native oyster restoration and why the myth of failure intensifies a conservation crisis. *Restoration Ecology* (submitted).
- Griffiths, J., M.N. Dehtier, A. Newsom, J.E. Byers, J.J. Myers, F. Oyarzun and H.S. Lenihan. Infaunal Responses to Recreational Clam Digging. *Marine Biology* (submitted).
- Lenihan, H.S., S. Mills, L.S. Mullineaux, F. Micheli, C.R. Fisher and C.H. Peterson. Biotic interactions at hydrothermal vents: negative density-dependent recruitment in mussels beds. *Oecologia* (submitted).
- Peterson, C.H. and H.S. Lenihan. Ecological impacts of dredge spoil discharge on a sandy bottom community. *Coastal Research* (submitted).
- Lenihan, H. S. and C.H. Peterson. 2005. Conserving oyster reef habitat by switching from dredging and tonging to diver hand-harvesting. *Fishery Bulletin* **102**:298-305.
- Sancho, G., C.R. Fisher, S.F. Mills, F. Micheli, G.A. Johnson, H.S. Lenihan, C.H. Peterson and L.S. Mullineaux. 2005. Selective predation by the zoarcid fish *Thermarces cerberus* at hydrothermal vents. *Deep Sea Research* **52**:837-844.
- Conlan, K. E., S.L. Kim, H.S. Lenihan, and J.S. Oliver. 2004. Benthic changes during 10 years of organic enrichment by M<sup>c</sup>Murdo Station, Antarctica. *Marine Pollution Bulletin* **49**:43-60.

- Lenihan, H.S. and C.H. Peterson. 2004. Conserving oyster reef habitat by switching from dredging and tonging to diver hand-harvesting. *Fishery Bulletin* **102**:298-305.
- Conlan, K.E., S.L. Kim, H.S. Lenihan, and J.S. Oliver. 2003. Benthic community changes at McMurdo Station, a response to sewage abatement? in A.H.L. Huiskes, W.W.C. Gieskes, J. Rozema, R. M. L. Schorno, S. M. van der Vies & W. J. Wolff (editors) Antarctic biology in a global context. Leiden, Netherlands: Backhuys Publishers.
- Lenihan, H.S., C.H. Peterson, S.L. Kim, K.E. Conlan, R. Fairey, C. McDonald, J.H. Grabowski and J. S. Oliver. 2003. How variation in marine benthic community composition allows discrimination of multiple stressors. *Marine Ecology Progress Series* **206**:63-73.
- Micheli, F., C.H. Peterson, L.S. Mullineaux, C.R. Fisher, S.W. Mills, G. Sancho, G.A. Johnson, and H. S. Lenihan. 2002. Species interactions at deep-sea hydrothermal vents: the role of predation in structuring communities in an extreme environment. *Ecological Monographs* **73**:365-382.
- Jackson, J.B.C., M.X. Kirby, W.H. Berger, K.A. Bjorndal, L.W. Botsford, B.J. Bourque, R. Bradbury, R. Cooke, J.A. Estes, T.P. Hughes, S. Kidwell, C.B. Lange, H.S. Lenihan, J.M. Pandolfi, C.H. Peterson, R.S. Steneck, M.J. Tegner, and R. Warner. 2001. Historical overfishing and the collapse of marine ecosystems. *Science* **293**:629-638.
- Lenihan, H.S. and F. Micheli. 2001. Soft sediment communities. In M. Bertness, M.E. Hay, and S.D. Gaines (editors), *Marine Community Ecology*. Sinauer Associates, Inc.
- Lenihan, H.S., C.H. Peterson, J.E. Byers, J.H. Grabowski, G.W. Thayer, and D. R. Colby. 2001. Cascading of habitat degradation: oyster reefs invaded by refugee fishes escaping stress. *Ecological Applications* **11**:748-764.
- Peterson, C.H., J.B.C. Jackson, M.X. Kirby, H.S. Lenihan, R. Borque, R. Bradbury, R. Cooke, and S. Kidwell. 2001. Factors in the decline of coastal ecosystems- Response. *Science* **293**:1590-1591.
- Lenihan, H.S. and F. Micheli. 2000. Biological effects of shellfish harvesting on oyster reefs: resolving a fishery conflict using ecological experimentation. *Fishery Bulletin* **98**:86-95.
- Peterson, C.H., H.C. Summerson, E. Thompson, H.S. Lenihan, J.H. Grabowski, L. Manning, F. Micheli, and G. Johnson. 2000. Synthesis of linkages between benthic and fish communities as a key to protecting essential fish habitat. *Bulletin of Marine Science* **66**:759-774.
- Lenihan, H.S. 1999. Physical-biological coupling on oyster reefs: how habitat form influences individual performance. *Ecological Monographs* **69**:251-275.
- Lenihan, H.S., F. Micheli, S.W. Shelton, and C.H. Peterson. 1999. How multiple environmental stresses influence parasitic infection of oysters. *Limnology and Oceanography* **44**:910-924.
- Conlan, K.E., H.S. Lenihan, R.G. Kvitek, and J.S. Oliver. 1998. Iceberg scour disturbance to benthic communities in the Canadian High Arctic. *Marine Ecology Progress Series* **160**:1-16.
- Lenihan, H.S. and C.H. Peterson. 1998. How habitat degradation through fishery disturbance enhances effects of hypoxia on oyster reefs. *Ecological Applications* **8**:128-140.
- Lenihan, H.S. and J.S. Oliver. 1995. Natural and anthropogenic disturbances to marine benthic communities in Antarctica. *Ecological Applications* **5**:311-326.
- Lenihan, H.S., K.A. Kiest, K.E. Conlan, P.N. Slattery, B.H. Konar, and J.S. Oliver. 1995. Patterns of survival and behavior of marine invertebrates exposed to contaminated sediments from McMurdo Station, Antarctica. *Journal of Experimental Marine Biology and Ecology* **192**:233-255.
- Lenihan, H.S., C.H. Peterson, and J.M. Allen. 1995. Does flow also have a direct effect on growth of active suspension feeders: an experimental test with oysters. *Limnology and Oceanography* **41**:1359-1366.