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Applied Marine Ecology and Fisheries Oceanography
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Education and Employment

2001-Current, Professor of Applied Marine Ecology, University of California, Santa Barbara
1996, Doctor of Philosophy, Marine Sciences, University of North Carolina at Chapel Hill
1994, Master of Science, Marine Sciences, Moss Landing Marine Laboratories
1986, Bachelor of Science, Conservation of Natural Resources, University of California, Berkeley.

Grants-Current

Assessing Withering Syndrome Resistance in California Black Abalone: Implications for Conservation and Restoration. California Sea Grant (Co-P.I.). 2005-2008. \$159,843.
Community-based Collaborative Fishery Research: Assessing Fishery Impacts of CA Marine Reserves. UC Marine Council- Coastal Environmental Quality Initiative (P.I.). 2005-2007. \$385,204
How Abiotic Processes, Biotic Processes, and their Interactions Sustain Habitat Characteristics and Functions in River Channels and their Floodplains: An Investigation of How a Reach of the Merced River Responds to Restoration. CALFED (Co-P.I.). 2005-2008. \$1.4 million.
Moorea Coral Reef LTER: Long-term dynamics of coral reef ecosystem. Moorea, French Polynesia. NSF LTER Program (Associate Investigator). 2004-2009. \$4.2 million.

Publications

Penin, L, M. Adjeroud, M. Schrimm, and H.S. Lenihan. 2007. High spatial variability in coral bleaching around Moorea, French Polynesia: patterns across locations and water depths. **Comptes Rendus Biologies** 330: 171-181
Lotze, H.K., H.S. Lenihan, B.J. Bourque, R. Bradbury, R. Cooke, M.C. Kay, S. Kidwell, M.X. Kirby, C.H. Peterson, and J.B.C. Jackson. 2006. Depletion, degradation, and recovery of estuaries and coastal seas. **Science** 312: 1806-1809
Griffiths, J., M.N. Dehtier, A. Newsom, J.E. Byers, J.J. Myers, F. Oyarzun, and H.S. Lenihan. 2006. Infaunal Responses to Recreational Clam Digging. **Marine Biology** 149: 1489-1497
Bishop, M.M., C.H. Peterson, H.C. Summerson, H.S. Lenihan, and J.H. Grabowski. 2006. Deposition and long-shore transport of dredge spoils to nourish beaches: impacts on benthic infauna of an ebb-tidal delta. **Journal of Coastal Research** 22: 530-546
Ruesink, J., H.S. Lenihan, A. Trimble, K. Heiman, F. Micheli, J.E. Byers, and M.C. Kay. 2005. Introduction of non-native oysters: ecosystem effects and restoration implications. **Annual Review of Ecology, Evolution, and Systematics** 36: 643-689
Sancho, G., C.R. Fisher, S. Mills, F. Micheli, G.A. Johnson, H.S. Lenihan, C.H. Peterson, and L.S. Mullineaux, L.S. 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 McMurdo 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
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
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, The Netherlands: Backhuys Publishers

- 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
- 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., 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
- 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
- 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., and F. Micheli. 2000. Biological effects of shellfish harvesting on oyster reefs: resolving a fishery conflict using ecological experimentation. **Fishery Bulletin** 98: 86-95
- 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
- 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
- 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., 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
- 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. and J.S. Oliver. 1995. Natural and anthropogenic disturbances to marine benthic communities in Antarctica. **Ecological Applications** 5: 311-326
- Lenihan, H.S. 1992. Benthic marine pollution around McMurdo Station, Antarctica: a summary of findings. **Marine Pollution Bulletin** 25: 318-323
- Lenihan, H.S., J.S. Oliver, J.M. Oakden, and M. Stephenson. 1990. Intense and localized benthic marine pollution around McMurdo Station, Antarctica. **Marine Pollution Bulletin** 21: 422-430
- Lenihan, H.S., J.S. Oliver, and M. Stephenson. 1990. Changes in hard-bottom communities related to boat-mooring and Tributyltin (TBT) in San Diego Bay: a natural experiment. **Marine Ecology Progress Series** 60: 147-159