

# Publications & Related Products from NOAA's Biogeography Branch

Center for Coastal Monitoring and Assessment, National Centers for Coastal Ocean Science

National Ocean Service, National Oceanic and Atmospheric Administration

**September 2011**

Entries are organized by year and then alphabetically by lead author, and include links to publications and related products, when available.

## 2011

Boström, C., S.J. Pittman, C. Simenstad and R.T. Kneib. 2011. [Seascape ecology of coastal biogenic habitats: advances, gaps, and challenges](#). Marine Ecology Progress Series, Vol. 427: 191–217, 2011

Friedlander, A.M., L.M. Wedding, M.E. Monaco, E.K. Brown, A. Clark, D. Antoline. *In Prep*. Evaluating the expansion of a marine protected area using a seascape ecology approach. Conservation Biology.

Hitt, S., Pittman S.J. and K.A. Brown. 2011. [Tracking and mapping sun-synchronous migrations and diel space use patterns of \*Haemulon sciurus\* and \*Lutjanus apodus\* in the U.S. Virgin Islands](#). Environmental Biology of Fishes, Volume 75, No. 4, June 2011. DOI 10.001/s10641-011-9875-2

Hitt S., S.J. Pittman and R.S. Nemeth. 2011. [Diel movements of fish are linked to benthic seascape structure in a Caribbean coral reef ecosystem](#). Marine Ecology Progress Series, Vol. 427: 275–291, 2011

Kendall M.S., T.J. Miller and S.J. Pittman. 2011. [Patterns of scale-dependency and the influence of map resolution on the seascape ecology of reef fish](#). Marine Ecology Progress Series, Vol. 427: 259–274, 2011

Kendall, M.S., and M. Poti (eds). 2001. [A Biogeographic Assessment of the Samoan Archipelago](#). NOAA Technical Memorandum NOS NCCOS 132. Silver Spring, MD 229 pp.

Kininmonth, S. M.Beger, M.Bode, E. Peterson, V.M. Adams, D. Dorfman, D. Brumbaugh and H. Possingham. 2011. Dispersal connectivity and reserve selection for marine conservation. Ecological Modeling 222 (2011) 1272-1282. Contact [Dan.Dorfman@noaa.gov](mailto:Dan.Dorfman@noaa.gov) for a copy of the journal article.

Pittman, S.J. and K.A. Brown. 2011. [Multi-Scale Approach for Predicting Fish Species Distributions across Coral Reef Seascapes](#). PLoS ONE 6(5): e20583. doi:10.1371/journal.pone.0020583

Pittman, S.J., R.T. Kneib, C. Simenstad and I. Nagelkerken. Editors. 2011. [Theme Section: Seascape ecology: application of landscape ecology to the marine environment](#). Marine Ecology Progress Series, Vol. 427:187-190, 2011

Pittman, S.J., R.T. Kneib and C.T. Simenstad. 2011. [Practicing coastal seascape ecology](#). Marine Ecology Progress Series, Vol. 427:187-190, 2011

Victor B.C., Hanner R., Caldwell C. and M. Shivj. *In prep*. Tracking rapid long-distance transport of pelagic marine fish larvae using DNA barcoding.

Wedding L.M., Friedlander, A.M., Szuster, B., Gibson, B.A., and M.E. Monaco. *In Prep*. Identifying coral reef fish habitat utilization patterns with benthic habitat maps in a no-take marine reserve in Hawaii. Estuarine, Coastal and Shelf Science.

Wedding L.M., Gibson, B.A. Walsh, W.J. and Tim Battista. 2011. [Integrating remote sensing products and GIS tools to support marine spatial management in West Hawai'i](#). Journal of Conservation Planning Vol 7 (2011) 60-73

Wedding L.M., C.A. Lepczyk, S.J. Pittman, A.M. Friedlander and S. Jorgensen. 2011. [Quantifying seascape structure: extending terrestrial spatial pattern metrics to the marine realm](#). Marine Ecology Progress Series, Vol. 427:219-232, 2011

Whitall, D.R., B.M. Costa, L.J. Bauer, A. Dieppa, and S.D. Hile (eds.). 2011. [A Baseline Assessment of the Ecological Resources of Jobos Bay, Puerto Rico](#). NOAA Technical Memorandum NOS NCCOS 133. Silver Spring, MD. 188 pp.

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- Bauer, L.J. and M.S. Kendall (eds.). 2010. [An Ecological Characterization of the Marine Resources of Vieques, Puerto Rico Part II: Field Studies of Habitats, Nutrients, Contaminants, Fish, and Benthic Communities](#). NOAA Technical Memorandum NOS NCCOS 110. Silver Spring, MD. 174 pp.
- Bauer, L.J., M.S. Kendall, and G. McFall. 2010. [Assessment and monitoring of debris in Gray's Reef National Marine Sanctuary](#). NOAA Technical Memorandum NOS NCCOS 113. Silver Spring, MD. 40 pp + Appendices.
- Friedlander, A.M., L.M. Wedding, E. Brown, M.E. Monaco. 2010. [Monitoring Hawaii's Marine Protected Areas: Examining Spatial and Temporal Trends Using a Seascape Approach](#). NOAA Technical Memorandum NOS NCCOS 117. Prepared by the NCCOS Center for Coastal Monitoring and Assessment's Biogeography Branch. Silver Spring, MD. 130 pp.
- Jeffrey, C.F.G., P.W. Mueller, M.S. Kendall, K. Buja, K. Edwards, S.D. Hile, and L. Carrubba. 2010. [Biogeographic Characterization of Essential Fish Habitats Affected by Human Activities in the Coastal Zone of Puerto Rico](#). NOAA Technical Memorandum NOS NCCOS 115. Silver Spring, MD. 31 pp.
- Kendall, M.S., and T.J. Miller. 2010. Relationships among map resolution, fish assemblages, and habitat variables in a coral reef ecosystem. /Hydrobiologia /637:101-119. DOI 10.1007/s10750-009-9988-1. Contact [Matt.Kendall@noaa.gov](mailto:Matt.Kendall@noaa.gov) for a copy of the journal article.
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- Monaco, M.E. and M.S. Kendall. 2010. [Biogeographic Assessment of Samoa: In support of the Two Samoas Initiative of American Samoa and Samoa](#). NOAA/NOS/NCCOS/CCMA. 13 pp.
- Nelson, D.M., B. Herlach, T. McGrath, K. Buja, A. Zitello, and A. Oldewurtel-Ilioff. 2010. [Assessment of Existing Information on Atlantic Coastal Fish Habitats: Development of a web-based spatial bibliography, query tools, and data summaries](#). NOAA Technical Memorandum NOS NCCOS 103. 58 pp.
- Pittman, S. and B. Costa. 2010. Linking cetaceans to their environment: spatially explicit data acquisition, digital processing and predictive modeling for marine spatial planning in the Northwest Atlantic. Chapter 21. P387-408. In (Cushman, S.A. & Huettmann, F. eds.) Spatial Complexity, Informatics, and Wildlife Conservation. Springer, Tokyo. Contact [Simon.Pittman@noaa.gov](mailto:Simon.Pittman@noaa.gov) or [Bryan.Costa@noaa.gov](mailto:Bryan.Costa@noaa.gov) for a copy of the chapter.
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- Friedlander, A., K. Keller, L. Wedding, A. Clarke, and M. Monaco (eds). 2009. [A Marine Biogeographic Assessment of the Northwestern Hawaiian Islands](#). NOAA Tech. Memo. NOS NCCOS 84. Silver Spring, MD. 363 pp.
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Smith, T.B., J. Blondeau, R.S. Nemeth, S.J. Pittman, J.M. Calnan, E. Kadison, and J. Gass. 2009. Benthic structure and cryptic mortality in a Caribbean mesophotic coral reef bank system, the Hind Bank Marine Conservation District, U.S. Virgin Islands. /Coral Reefs/ DOI 10.1007/s00338-009-0575-8 Contact [Simon.Pittman@noaa.gov](mailto:Simon.Pittman@noaa.gov) for a copy.

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\* The list includes most relevant publications and some products from [NOAA's Biogeography Branch](#), and several relevant documents from the Branch's predecessor organization, the Strategic Environmental Assessment Division (1997 and earlier).