

5. Completed Publications

a. Books/Monographs

Coyer, J., D. Steller and J. Witman 1999. *The Underwater Catalog: a guide to methods in underwater research*. 2nd Edition Shoals Marine Laboratory, Cornell Univ., Ithaca, NY

Witman, J.D, and K. Roy. 2009 Eds. *Marine Macroecology*. University of Chicago Press (edited volume. 448 pages

b. Chapters in Books:

Suchanek, T.H., R. Carpenter, J.D Witman, C. D. Harvell. 1983. Sponges as important space competitors in deep Caribbean coral reef communities. *NOAA Symposium Series for Undersea Research Reports: Coral Reefs V1: 55 – 67*

Witman, J. D. and K. P. Sebens. 1988. Benthic community structure at a subtidal rock pinnacle in the central Gulf of Maine. In. I. Babb and M. De Luca Eds *Benthic Productivity and Marine Resources of the Gulf of Maine*. National Undersea Research Program Research Report 88-3: 67-104.

Sebens, K.P., J.D. Witman, R. Allmon, and E.J. Maney. 1988. Early community development experiments in rocky subtidal habitats (Gulf of Maine, 30 - 80 m). In. I. Babb and M. De Luca Eds *Benthic Productivity and Marine Resources of the Gulf of Maine*. National Undersea Research Program Research Report 88-3: 45 - 66.

Witman, J. D. and K. P. Sebens. 1990. Distribution and ecology of sponges at a subtidal rock ledge in the central Gulf of Maine. Pp. 391-396. In K. Rutzler, Ed, *New Perspectives in Sponge Biology*. Smithsonian Institution Press, Washington, D.C.

Witman, J.D., 1996. Dynamics of Gulf of Maine benthic communities. Pp 51-69 in, D. and E. Braasch Eds. *The health of the Gulf of Maine ecosystem: cumulative impacts of multiple stressors*. RARGOM Report 96-1. Dartmouth College, Hanover, NH.

Witman, J.D. 1998. Natural disturbance and colonization on subtidal hard substrates in the Gulf of Maine. Pp. 30-37 in. E. M. Dorsey and J. Pederson Eds. *Effects of fishing gear on the sea floor of New England*. MIT Sea Grant Publication 98-4.

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Bensted-Smith, R., T. Allnut, G.M. Branch, R.H. Bustamante, C. Causton, E. Dinerstein, G. Powell, H. Snell, A. Tye, G.M. Wellington and J.D. Witman. 2002. Summary of the Vision For Conservation of Galapagos Biodiversity and the Issues Central to Its Achievement, Pp. 107-115. In *A Biodiversity vision for the Galapagos Islands*. Charles Darwin Foundation and World Wildlife Fund, Puerto Ayora, Galapagos.

Witman, J.D., M.R. Patterson and S.J. Genovese. 2004 Benthic pelagic linkages in subtidal communities: influence of food subsidy by internal waves. Pp 133-153 in Polis, G.A., M.E. Power and G.R. Huxel Ed. *Food webs at the landscape level*. University of Chicago Press.

Witman, J.D., J.C. Ellis and W.B. Anderson. 2004 The influence of physical processes, organisms and permeability on cross-ecosystem fluxes. Pp 335-349 in Polis, G.A., M.E. Power and G.R. Huxel Eds.

Food webs at the landscape level. University of Chicago Press.

Witman, J.D. 2007 Benthic - pelagic coupling. Pp 68-71. In: *Encyclopedia of tidepools and rocky shores* M.W. Denny and S.D. Gaines (eds.) University of California Press, Berkeley, CA

Witman, J.D. and K. Roy 2009. Introduction. Chapter 1 in *Marine Macroecology*. University of Chicago Press. Pp. vii – xv. J.D. Witman and K. Roy editors

Roy, K.R. and J.D. Witman 2009. Species diversity of shallow marine invertebrates: patterns, processes and prospects. Chapter 4 in *Marine Macroecology* Pp. 101-121. University of Chicago Press. J.D. Witman and K. Roy editors

Leichter, J.J. and J.D. Witman. 2009 Basin-scale oceanographic influences on marine macroecological patterns. Chapter 8 in *Marine Macroecology*. Pp. 203-226. University of Chicago Press. J.D. Witman and K. Roy editors

Witman, J. D. and K. R. Roy 2009. Experimental marine macroecology. Chapter 13 in *Marine Macroecology*. University of Chicago Press. Pp. 341-356 J.D. Witman and K. Roy editors

Kotta, J. and J.D. Witman 2009. Regional scale patterns Pp 89-99. In: *Hard Bottom Communities: patterns, scales, functions, shifts*. M. Wahl (Ed), Springer-Verlag, Berlin, Germany

c. Refereed Journal Articles:

Witman, J.D. and R.A. Cooper. 1983. Disturbance and contrasting patterns of population structure in the brachiopod *Terebratulina septentrionalis* from two subtidal habitats. *Journal of Experimental Marine Biology and Ecology*. 73: 57-79.

Witman, J.D. and T.H. Suchanek. 1984. Mussels in flow: drag and dislodgment by epizoans. *Marine Ecology Progress Series*. 16: 259 - 268.

Witman, J. D. 1985. Refuges, biological disturbance, and rocky subtidal community structure in New England. *Ecological Monographs* 55: 421-445.

Witman, J. D. 1987. Subtidal coexistence: storms, grazing, mutualism, and the zonation of kelps and mussels. *Ecological Monographs* 57: 167-187.

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Edmunds, P.J and J.D. Witman. 1991. Effect of Hurricane Hugo on the primary framework of a reef along the south shore of St. John, US Virgin Islands. *Marine Ecology Progress Series* 78: 201-204.

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Dumas, J.V. and J.D. Witman 1993. Predation by gulls on two rocky intertidal crabs, *Cancer irroratus* and *Carcinus maenus*. *Journal of Experimental Marine Biology and Ecology* 169: 89 – 101

Witman, J.D., J.J. Leichter, S.J. Genovese, and D.A. Brooks. 1993 Pulsed phytoplankton supply to the rocky subtidal zone: influence of internal waves. *Proceedings of the National Academy of Sciences, USA*

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Sheild, C.J. and J. D. Witman. 1993. The impact of *Henricia sanguinolenta* predation on the finger sponges, *Isodictya* spp. *Journal of Experimental Marine Biology and Ecology* 166: 107 - 133.

Lesser, M.P, J.D. Witman and K.P. Sebens. 1994. Effects of flow and seston availability on scope for growth of benthic suspension feeding invertebrates from the Gulf of Maine. *Biological Bulletin*. 187:319-335

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Bruno, J.F. and J.D.Witman. 1996. Defensive mechanisms of scleractinian cup corals against overgrowth by colonial invertebrates. *Journal of Experimental Marine Biology and Ecology*. 207: 229-241.

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Hill, M.F., J.D. Witman and H. Caswell 2002. Spatio-temporal variation in Markov Chain models of subtidal community succession. *Ecology Letters*, 5: 665-675

Lucky, A., T.L. Erwin and J.D. Witman 2002. Temporal and spatial diversity and distribution of arboreal Carabidae in a Western Amazonian Rain Forest. *Biotropica* 34: 376 – 386.

Witman, J.D., S.J. Genovese, J. F. Bruno, J. W. McLaughlin and B. I. Pavlin. 2003. Massive prey recruitment and the control of rocky subtidal communities on large spatial scales. *Ecological Monographs* 73: 441-462

Witman, J.D and F. Smith. 2003. Rapid community change at a tropical upwelling site in the Galapagos Marine Reserve. *Biodiversity and Conservation* 12: 25-45

Farina, J.M., S.Salazar, K.P. Wallem, J.D. Witman and J.C. Ellis. 2003. Nutrient exchanges between marine and terrestrial ecosystems: the case of the Galapagos sea lion *Zalophus wollebaecki*. *Journal of Animal Ecology* 72: 873-887

Byrnes, J.E. and J.D. Witman. 2003 Impact assessment of an invasive flatworm, *Convoluta convoluta*, in the Southern Gulf of Maine. *Journal of Experimental Marine Biology and Ecology* 293: 173-191

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Hill, M.F, J.D. Witman and H.Caswell 2004. Markov chain analysis of succession in a rocky subtidal community. *American Naturalist* 164: E46-E61

Ellis, J.C., Chen, W., O'Keefe, B., Shulman, M.J., and Witman, J.D. 2005. Predation by gulls on crabs in rocky intertidal and shallow subtidal zones of the Gulf of Maine. *Journal of Experimental Marine Biology and Ecology* 324:31-43.

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Lindsey, E, L., Altieri, A.H. and J.D.Witman 2006. Influence of biogenic habitat on the recruitment and distribution of a subtidal xanthid crab. *Marine Ecology Progress Series* 306: 223-231.

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