

## **Hauke L. Kite-Powell**

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### **RESEARCH INTERESTS**

Maritime economics and management; Marine resource economics and management

### **PROFESSIONAL PREPARATION**

B.S., Naval Architecture and Marine Engineering, Massachusetts Institute of Technology, 1984  
M.S., Ocean Systems Management, Massachusetts Institute of Technology, 1986  
M.S., Technology and Policy, Massachusetts Institute of Technology, 1988  
Ph.D., Ocean Systems Management, Massachusetts Institute of Technology, 1992

### **APPOINTMENTS**

Research Specialist, Woods Hole Oceanographic Institution (WHOI), 1995-present  
Research Associate, WHOI, 1992-1995  
Research Assistant, WHOI, 1988-1992  
Summer Student Fellow, WHOI, 1985  
Lecturer, Massachusetts Maritime Academy, 2008-present  
Lecturer, Massachusetts Institute of Technology, 1994-2007  
Senior Analyst, Marsoft, Inc., 1998-present

### **EDUCATIONAL ACTIVITY**

- Thesis committee member: Elizabeth Halliday (MIT-WHOI, Ph.D. awarded 2012); Megan May (MIT-WHOI, Ph.D. in progress); Merrielle McCleod (Brown Univ., M.S. awarded 2009)

### **OTHER PROFESSIONAL ACTIVITIES**

- Member, International Council for the Exploration of the Seas Working Group on Social and Economic Dimensions of Aquaculture
- Member, Marine Technology Society, Society of Naval Architects and Marine Engineers,
- Member, Editorial Board, Journal of Ocean and Coastal Economics
- Chair, Woods Hole Diversity Advisory Committee
- Reviewer: ad hoc reviewer for California Sea Grant Program, and various journal including Journal of Ocean and Coastal Economics, Journal of Aquaculture Economics and Management, and WMU Journal of Maritime Affairs

## REVIEWED PUBLICATIONS

- Kite-Powell, H.L., C. Brehme, S. Kraus, P. McCarron, H. Tetrault, and B. Wikgren. In prep. The spatial and temporal distribution of risk to Right Whales from lobster fishing gear off the coast of Maine.
- Rogers, D.R., C. Mazur, A. Cobban, A. Pepe, H.L. Kite-Powell, and V.P. Edgcomb. Submitted. Denitrification and anammox processes in sediments underneath oysters at coastal aquaculture sites, Cape Cod, MA. *Marine Ecology Progress Series* .
- Tlusty, M.F., B. Wikgren, K. Lagueux, H.L. Kite-Powell, D. Jin, P. Hoagland, R.D. Kenney, and S.D. Kraus. 2017. Co-occurrence mapping of disparate data sets to assess potential aquaculture sites in the Gulf of Maine. *Reviews in Fisheries Science and Aquaculture*, DOI: 10.1080/23308249.2017.1343798
- Kite-Powell, H.L. 2017. Economics of multi-use and co-location. In: B. Buck, R. Langan, and B. Costa-Pierce, editors, *Aquaculture perspective of multi-use sites in the open ocean*. Springer Verlag. [http://link.springer.com/chapter/10.1007/978-3-319-51159-7\\_10](http://link.springer.com/chapter/10.1007/978-3-319-51159-7_10)
- Wikgren, B., H.L. Kite-Powell, and S. Kraus. 2014. Modeling the distribution of the North Atlantic right whale (*Eubalaena glacialis*) off coastal Maine by areal co-kriging. *Endangered Species Research* 24:21-31. doi: 10.3354/esr00579
- Kite-Powell, H.L., M. Rubino, and B. Morehead. 2013. The future of US seafood supply. *Aquaculture Economics and Management* 17(3):228-250. DOI:10.1080/13657305.2013.812691
- Hoagland, P., H.L. Kite-Powell, D. Jin, and A.R. Solow. 2013. Supply-side approaches to the economic valuation of coastal and marine habitat in the Red Sea. *Journal of King Saud University – Science* 25:217-228.
- Lindell, S.R., S. Miner, C. Goudey, H.L. Kite-Powell, and S. Page. 2012. Acoustic conditioning and ranching of Black Sea Bass *Centropristis striata* in Massachusetts, USA. In *Proceedings of the 39<sup>th</sup> Scientific Symposium of the UJNR Aquaculture Panel, Kagoshima, Japan* Bull. Fisheries Research Agency. No. 35, 103-110.
- Jin, D., H.L. Kite-Powell, P. Hoagland, and A.R. Solow. 2012. A bioeconomic analysis of traditional fisheries in the Red Sea off the coast of the Kingdom of Saudi Arabia. *Marine Resource Economics* 27(2):137-148.
- Jin, D., H.L. Kite-Powell, and W. Talley. 2012. U.S. Ship Accident Research. Chapter 4 in W. Talley, ed., *Maritime Safety, Security and Piracy*.
- Cooley, S.R., N. Lucey, H.L. Kite-Powell, and S.C. Doney. 2012. Nutrition and income from molluscs today imply vulnerability to ocean acidification tomorrow. *Fish and Fisheries* 13(2), 182-215, doi: 10.1111/j.1467-2979.2011.00424.x

- Hoagland, P., D. Jin, and H.L. Kite-Powell. 2012. The costs of beach replenishment along the US Atlantic coast. *Journal of Coastal Research* 28(1A):199-204.  
<http://www.jcronline.org/doi/abs/10.2112/JCOASTRES-D-11-00066.1>
- Ralston, E.P., H.L. Kite-Powell, and A. Beet. 2011. An estimate of the cost of acute health effects from marine pathogens and toxins in the United States. *Water and Health* 9(4):680-694.  
doi:10.2166/wh.2011.157
- Kite-Powell, H.L. 2011. The value of ocean surface wind information for maritime commerce. *Marine Technology Society Journal* 45(1):75-84.
- Cooley, S.R., H.L. Kite-Powell, and S.C. Doney. 2009. Ocean acidification's potential to alter global marine ecosystem services. *Oceanography* 22(4):172-181.
- Kite-Powell, H.L. 2009. Economic considerations in the design of ocean observing systems. *Oceanography* 22(2):44-49.
- Kite-Powell, H.L. 2009. A global perspective on the economics of ocean acidification. *Currents: The Journal of Marine Education* 25(1):24-28.
- Kite-Powell, H.L., L.E. Fleming, L.C. Backer, E. Faustman, P. Hoagland, A. Tsuchiya, L. Younglove, B.A. Wilcox, and R.J. Gast. 2008. Linking the oceans to public health: current efforts and future directions. *Environmental Health* 7(Suppl 2):S6.  
<http://www.ehjournal.net/supplements/7/S2>
- Talley, W.K., D. Jin, and H.L. Kite-Powell. 2008. Determinants of the damage cost and injury severity of ferry vessel accidents. *WMU Journal of Maritime Affairs* 7(1):175-188.
- Kite-Powell, H.L., C.S. Colgan, and R. Weiher. 2008. Estimating the economic benefits of regional ocean observing systems. *Coastal Management Journal* 36(2):125-145.
- Jin, D., H.L. Kite-Powell and P. Hoagland. 2007. Anticipating the growth of an ocean aquaculture industry. *Agriculture Economics and Management* 11:225-242.
- Talley, W.K., D. Jin, and H.L. Kite-Powell. 2006. Determinants of the severity of passenger vessel accidents. *Maritime Policy and Management* 33(2):173-186.
- Jin, D., H.L. Kite-Powell and P. Hoagland. 2005. Risk assessment in open-ocean aquaculture: a firm-level investment-production model. *Aquaculture Economics and Management* 9(3):369-387.
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- Talley, W.K., D. Jin, and H.L. Kite-Powell. 2005. Post OPA-90 vessel oil transfer spill prevention: the effectiveness of Coast Guard enforcement. *Environmental and Resource Economics* 30:93-114.
- Talley, W.K., D. Jin, and H.L. Kite-Powell. 2004. Post OPA-90 vessel oil spill differentials: transfers versus vessel accidents. *Maritime Policy and Management* 31(3):225-240.
- Kite-Powell, H.L., C. Colgan, and R. Weiher. 2003. Economics of an integrated ocean observing system. *Marine Technology Society Journal* 37(3):55-66.
- Hoagland, P., D. Jin, and H.L. Kite-Powell. 2003. The optimal allocation of ocean space: aquaculture and wild harvest fisheries. *Marine Resource Economics* 18:129-147.
- Hoagland, P., K.M. Riaf, D. Jin, and H.L. Kite-Powell. 2003. A comparison of access systems for natural resources: drawing lessons for ocean aquaculture in the US Exclusive Economic Zone. In Bridger, C. and B. Costa-Pierce, eds., *Open-Ocean Aquaculture: From Research to Reality*. Charleston, SC: World Aquaculture Society.
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- Kite-Powell, H.L., P. Hoagland, D. Jin, and K. Murray. 2003. Open ocean growout of finfish in New England: a bioeconomic model. Pages 319-324 in Bridger, C. and B. Costa-Pierce, eds., *Open-Ocean Aquaculture: From Research to Reality*. Charleston, SC: World Aquaculture Society.
- Mmochi, A.J., N. Mozes, H.L. Kite-Powell, A.M. Dubi, H. Gordin, N. Jiddwi, G. Kissil, F. Msuya, and J. Mwangamilo. 2002. Design and preliminary results of integrated mariculture pond system at Makoba, Zanzibar. *25 Anniversary Symposium Proceedings, Institute of Marine Science, Zanzibar, Tanzania*.
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