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Professional Preparation:

AB, Stanford University, 1974

Ph.D. Boston University Marine Program 1989

Major Professor: Dr. Ivan Valiela Thesis Title: *Regulation of benthic microalgal and meiofaunal productivity and standing stock in a salt marsh ecosystem: the relative importance of reep*

Evaluation of Permeable Reactive Barrier (PRB) Technology for Remediation of Residual Nitrate in Treated Wastewater Phase I (Jan-Dec 2019, \$60,531) and Phase II (Jan 2020- April 2021, \$27,375). Commonwealth of Massachusetts Coastal Zone Management

Peer Reviewed Publications:

*undergraduate intern co-authors

**Semester in Environmental Science alumnus/a

1. Hiller-Bittrolff, K.A.,** **K. Foreman**, A.N. Bulseco-McKim, J Benoit, and J.L. Bowen (2018). Effects of mercury addition on microbial community composition and nitrate removal inside permeable reactive barriers. *Environmental Pollution* 242:797-806.
2. Hiller, K.A.** , **K.H. Foreman**, D.Weisman, and J.L. Bowen (2015)
3. Howarth, R.W., M. Hayn**, R.M. Marino, N. Ganju, **K.H. Foreman**, K. McGlathery, A. Giblin, P. Berg and J.D. Walker. (2014). Metabolism of a nitrogen enriched coastal marine lagoon during summertime. *Biogeochemistry* 118:1-20.
4. Hayn, M.** , R.W. Howarth, R.M. Marino, N. Ganju, P. Berg, **K. H. Foreman**, A. Giblin, K. McGlathery. (2013). Exchange of Nitrogen and Phosphorus between a Shallow Seagrass dominated Lagoon and Coastal Waters. *Estuaries and Coasts*. 37(1)
DOI:0.1007/s12237-013-9699-8
5. Berg, Peter, Matthew H. Long, Markus Huettel, Jennie E. Rheuban, Karen J. McGlathery, Robert W. Howarth, **K. H. Foreman**, Anne E. Giblin, and Roxanne Marino (2013) Eddy correlation measurements of oxygen fluxes in permeable sediments exposed to varying current flow and light. *Limnol. Oceanogr.*, 58(4), 2013, 1329 1343
6. Thoms, T.* , A.E. Giblin and **K.H. Foreman** (2003). Multiple Approaches to Tracing Nitrogen Loss in the West Falmouth Wastewater Plume. *Biological Bulletin* 205:242



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Public and Community