Biography

Brook Herman, Ph.D.-Candidate


Brook Herman is a Research Ecologist and part of the Integrated Ecological Modeling Team, Wetlands and Coastal Ecology Branch, Environmental Laboratory. Before starting at ERDC, Ms. Herman worked for the Chicago District for nine years (2007-2016) in their planning branch. She was focused primarily on ecosystem restoration projects, completing feasibility reports along with environmental benefit modeling, designing approved projects, construction oversight and monitoring of completed projects.  Ms. Herman is an expert in planning policy and guidance, NEPA compliance, model review and certification and is a certified ATR reviewer. She has been a member of Environmental Research Area Review Group (ERARG) since 2009 and has played important roles in the development of upcoming planning tools, such as the Environmental Business Line Database of USACE Ecosystem Restoration Projects. Currently, she is a co-lead on a proposal to fund the development of a mechanistic predictive harmful algal bloom (HAB) decision support model that will assist in the control, management and prevention of HABs. She is involved with a group revising the budgetary process for ecosystem restoration projects for HQ, OMB and ASA offices.  Ms. Herman has been working on Critical Species Modeling efforts including Pacific Northwest Salmonid and Freshwater Mussel models. In addition, she is the lead planner and environmental modeler for the Northern Kentucky Riverfront Feasibility project.

Brook's education includes a B.A. from University of Northern Iowa, M.S. from Mississippi State, and is completing a Ph.D. from the University of Illinois at Chicago focused on ecological modeling and ecosystem restoration.

Interests include singing, baking, hiking and travel to Costa Rica to visit family and friends.