

Brook Herman, Ph.D.

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Brook Herman is 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 leading an effort to develop a novel fish community based ecological model to assist in the USACE planning process. She is involved with a group developing training and outreach material for Districts, Divisions and HQ on monitoring and adaptive management. Ms. Herman has been working on Critical Species Modeling efforts including Pacific Northwest Salmonid and Freshwater Mussel models. In addition, she is assisting with plan formulation and is leading the environmental modeling effort 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 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.