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Dr. Kyle McKay is a research civil engineer with the U.S. Army Engineer Research and Development Center (ERDC) Environmental Laboratory (EL). He received a B.S. in Environmental Engineering from Colorado State University, an M.S. in Civil Engineering from University of Illinois Urbana-Champaign, and a Ph.D. at the University of Georgia's Odum School of Ecology. His research focuses broadly on examining ecological effects of water resources infrastructure with applications related to stream and watershed restoration, fish passage improvement, environmental flow management, and sustainability policy. He is stationed in the USACE New York District to facilitate cooperative research between the ERDC, the District, and other local partners.

Relevant Publications

- **McKay S.K.**, Martin E., McIntyre P., Milt A., Moody A., and Neeson T. From tragedy to strategy: Alternative approaches for prioritizing instream connectivity barriers. Submitted to *Conservation Letters*.
- Christian J., Martin J., Chappell J., **McKay S.K.**, and Pringle C. Building a hydrologic foundation for tropical watershed management. Submitted to *PLoS One*.
- **McKay S.K.**, Richards N., and Swannack T. *In press*. Aligning ecological model development with restoration project planning. ERDC TR-EMRRP. U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi.
- **McKay S.K.** 2019. Visualization as a tool for ecological analysis. 2nd edition, Eds. S. Jorgensen and B. Fath. In press in *The Encyclopedia of Ecology*.
- **McKay S.K.**, Pruitt B.A., Zettle B.A., Hallberg N., Moody V., Annaert A., Ladart M., Hayden M., and McDonald J. 2018. Proctor Creek Ecological Model (PCEM): Phase 2 benefits analysis. ERDC/EL TR-18-11. U.S. Army Engineer Research and Development Center.
- **McKay S.K.**, Pruitt B.A., Zettle B., Hallberg N., Hughes C., Annaert A., Ladart M., and McDonald J. 2018. Proctor Creek Ecological Model (PCEM): Phase 1 Site screening. ERDC/EL TR-18-11. U.S. Army Engineer Research and Development Center.
- **McKay S.K.**, Cooper A., Diebel M., Elkins D., Oldford G., Roghair C., and Wieferich D. 2017. Informing watershed connectivity barrier prioritization decisions: A synthesis. *River Research and Applications*, 33 (6), 847-862.
- **McKay S.K.**, Reif M., Conyngham J.N., and Kohtio D. 2017. Barrier prioritization in the tributaries of the Hudson-Raritan Estuary. ERDC TN-EMRRP-SR-82. U.S. Army Engineer Research and Development Center.
- Crawford B.A., Katz R.A., and **McKay S.K.** 2017. Engaging stakeholders in natural resource decision-making. *ERDC TN-EMRRP-83*. U.S. Army Engineer Research and Development Center.
- **McKay S.K.**, Freeman M.C., and Covich A.P. 2016. Application of effective discharge analysis to environmental flow decision making. *Environmental Management*, 57 (6), 1153-1165.
- **McKay S.K.** 2015. Quantifying trade-offs associated with hydrologic environmental flow methods. *Journal of the American Water Resources Association*, 51 (6), 1508-1518.
- **McKay S.K.**, Schramski J.R., Conyngham J.N., and Fischenich J.C. 2013. Assessing upstream fish passage connectivity with network analysis. *Ecological Applications*, 23 (6), 1396-1409.