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Justin Wilkens is a Research Biologist in the Environmental Laboratory, US Army Engineer Research and Development Center, Vicksburg, MS. Among other activities, he is the assistant program manager for the Dredging Operations Technical Support Program (DOTS).

His work includes leading the management of several DOTS databases: (1) the Ocean Disposal Database (ODD) designed to annually collect and compile information about the disposal of dredged material at ocean sites dating back to 1976; and (2) the Biota-Sediment Accumulation Factor (BSAF) database and the Environmental Residue Effects database (ERED) which are collections of BSAF and residue-effects data obtained from peer-reviewed literature and reports submitted by US government agencies.

The ODD is designed to meet the obligations of the London Convention, an international treaty to control the deliberate disposal at sea of wastes including dredged material. BSAF and ERED are useful for comparing measured tissue concentrations from bioaccumulation tests such as those performed to evaluate dredged sediments to published information to help describe the relationship between the contaminant tissue concentration and the likelihood of an adverse effect.

Justin has a B.S. in Wildlife and Fisheries Science from South Dakota State University and a M.S. in Wildlife and Fisheries Science from Mississippi State University. He joined ERDC in 2012.

