ERDC UPDATES

Great Lakes Dredging Team Annual Meeting

Milwaukee, WI

September 14, 2022

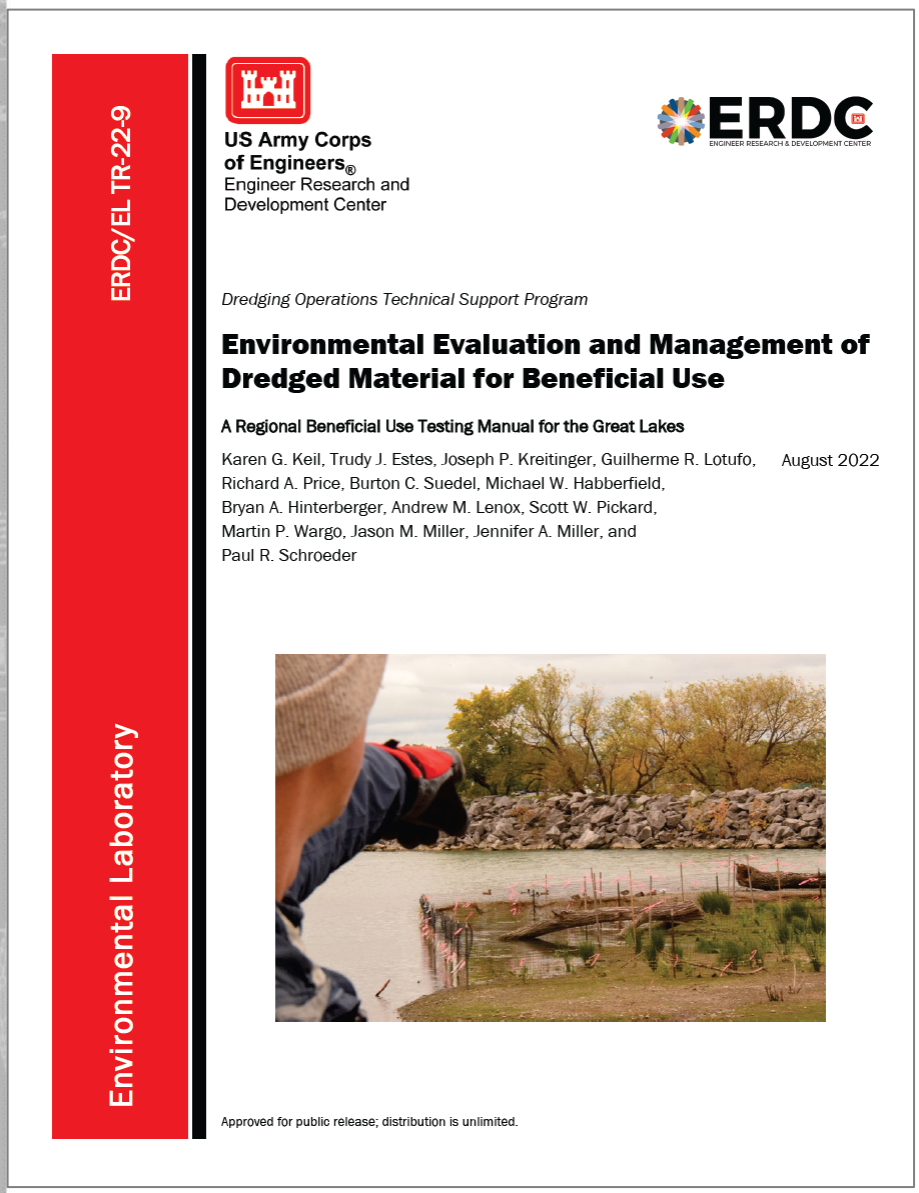
Karen Keil

US Army Corps of Engineers®

ERDC ENGINEER RESEARCH & DEVELOPMENT CENTER

DISCOVER | DEVELOP | DELIVER

The Great Lakes Beneficial Use Testing Manual has been published!

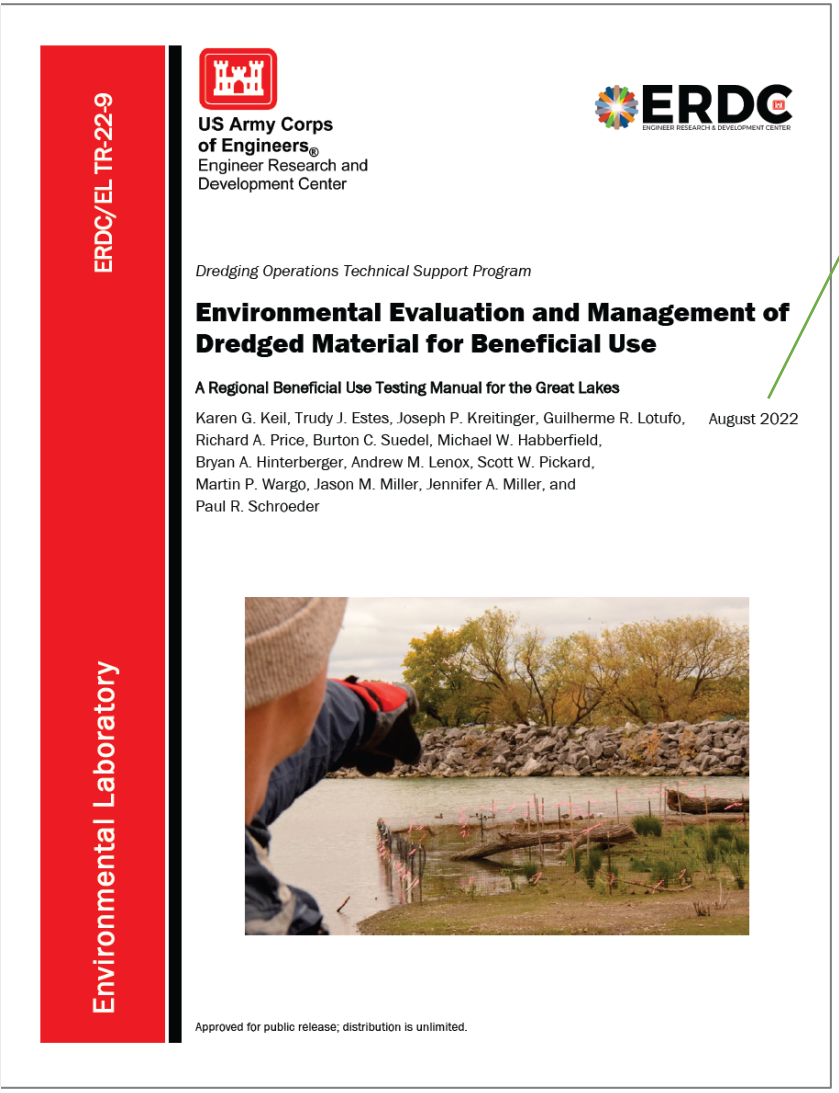


Available on these websites:

https://www.lre.usace.army.mil/Missions/Great-Lakes-Information/Great-Lakes-Dredging-Team/Publications/

https://dots.el.erdc.dren.mil/guidance.html

https://budm.el.erdc.dren.mil/guidance.html

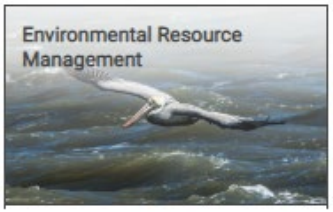


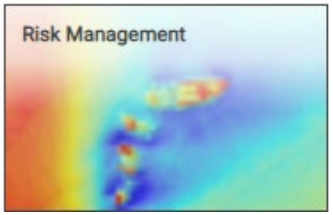
New guidance manual for the Great Lakes

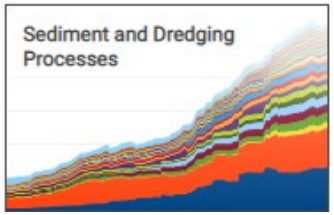
This manual is dedicated to Mr. Tony Friona**, who was an early proponent of the beneficial use of dredged material to support remedial and restoration efforts across the Great Lakes. Officially, Tony served as the USACE Regional Working Group co-lead for the Great Lakes Restoration Initiative. Unofficially, he was so much more: a visionary colleague and friend who, with his contagious enthusiasm, inspired us to work together to better our region. **His light will continue to shine on in the work that we do and in the relationships we form along the way.

Dredging Operations and Environmental Research Program

Focus Areas







- Improving aquatic beneficial use of dredged material placement practices in the Great Lakes *(January 2022 through September 2024)*
- Field performance of activated carbon amendments as a function of the application *(October 2022 through September 2025)*
- Support Tools for Communicating Risks of Microplastics and Nanoplastics in Dredged Sediments *(October 2022 through September 2023)*

Engineering With Nature

- Beneficial Use of Dredged Material at Woodtick Peninsula for Coastal Wetland Creation and Protection

- Sustainable, Tunable, and Bioreceptive Cementitious Materials for EWN® Infrastructure Solutions