



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary

Provided training in development of a GSMB hydrodynamic model for the St. Clair River. Specifically, a two grid-block model was developed and run on a HPC. The output from the model run was examined using SMS. Recommendations for future model development were provided.

Period of Performance:

May 14 – 25, 2018

Benefits of the Response to the USACE Dredging/Navigation Program:

The assistance provided to LRE will allow them to perform modeling to investigate dredging related issues, including placement of dredged material in an ODMDS, as well as sedimentation problems in marinas/harbors and shoreline erosion problems.

Deliverable:

LRE is planning on developing a three-dimensional GSMB sediment transport model of the Great Lakes. The training in developing a multi-dimensional GSMB hydrodynamic model provided to LRE will assist them in performing this task. The PI will continue to provide assistance as needed to LRE.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers
Operations and Maintenance navigation and dredging missions

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