



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

An Adaptive Hydraulics (AdH) and SEDLIB numerical modeling workshop was held at the USACE district, Portland in January 2018. This workshop focused on beginner use of AdH and SEDLIB for modeling riverine and estuarine environments as well as use of the Surface Water Modeling System (SMS) with AdH and SEDLIB. Example applications used in the workshop were tailored to the Portland district project areas of Mud Mountain and the Columbia River.

Period of Performance:

The workshop was held 22 – 26 January 2018.

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

The workshop trained USACE engineers in using a numerical modeling tool that will aid in their decision making and planning for navigation channel improvements as well as sediment transport patterns and sustainability of dredge disposal sites.

Deliverable:

A week-long workshop was provided along with associated example files. Discussion of general modeling practice as well as thoughts on local projects were provided.



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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