



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

Technical support was provided to design a dredging operation which would separate munitions from dredged sediment. Sediment properties were generated and evaluated for its effects on the feasibility of using a grizzly bar screen on a barge for removing large munitions and finer screens for removing smaller munitions. The evaluation indicated that the sediment was too cohesive to permit the use of finer screens on a barge and would require large quantities of water to wash the sediment through the screens. Large munitions could potentially be separated on a barge using a grizzly bar screen but would require use of water jets to prevent clogging the bar screen. A conference call was held where a land-based fine screening operation was recommended and a staging area was identified. A technical report and technical contacts for dredging munitions were provided.

Period of Performance:

Start date: 2 June 2020 Completion Date: 30 June 2020

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

The response contributed to development of a operation plan to reduce reduce uncertainties in the implementability and performance of the dredging operations. The response will lead to a better and less costly project.

Deliverable:

T An assessment of the sediment liquidity was provided. Guidance documents and technical contacts were provided along with a review of the proposed operation plan.

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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