



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG®

Response Summary:

A DOTS request received from the Galveston District (SWG) requested ERDC assistance to perform preliminary analysis on fuel usage and cost information for dredging operations. In response to the DOTS request, an analysis was conducted on past Resident Management System (RMS) dredge production daily reports to determine average fuel usage per day based on several production factors. Data on USACE vessels supplied by the SWG was also gathered to determine the amount of fuel used, the purchasing location, and potential costs. Publicly available regional fuel pricing information, such as that from the Energy Information Administration, was gathered and used to compare the pricing offered by fuel providers.

Period of Performance:

08/18/23 – 09/01/2023

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

RMS records provided a daily range of fuel consumption that can be used to identify the expected range of fuel volume SWG could use during dredging operations. Combined with regional fuel pricing, this data can be used to estimate anticipated fuel costs for dredging projects and can be compared to the pricing available from fuel providers. This comparison will allow SWG to assess the benefits of furnished fuel from multiple providers.

Deliverable:

Conference calls and meetings with SWG and DLA. Results of the data analysis were sent to SWG, along with fuel information. DOTS request led to further engagement with SWG regarding potentially a larger study, following a meeting with DLA in November 2023.



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