



Updating the Dredging Inspector's Instruction Guide from 1963

ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

This DOTS request from USACE-Headquarters involved organizing the update for the Engineer Pamphlet (EP) "Dredging Inspectors' Instruction Guide" which was last updated in 1963. This effort was part of the Guidance Update & Modernization Program (GUMP) promoted by USACE leadership. Although the fundamentals of dredging have not changed in many years, the dredging subject matter experts from around the country that participated in this project were able to identify many sections that required updates. Important updates were made to explanatory language; modern reporting and data entry processes; technologies such as GPS now routinely used for geospatial reporting; the addition of photos including sediment types (see Figure 1) and standard safety gear (see Figure 2); and inclusion of templates from in different USACE Districts used to improve planning and communication among all participants in a dredging job.

Period of Performance:

March 2022 – August 2022.

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

The USACE dredging inspectors (now known as Quality Assurance Representatives) are key members of the navigation program. They are the eyes and ears in the field, and their daily reports on dredging activity provide information that is fundamental to analyzing trends across the billion-dollar USACE dredging program. Dredging is a unique type of construction work that differs from vertical construction, so providing clear guidance about job-related expectations unique to dredging – as identified by leading field practitioners- contributes to knowledge management and knowledge transfer efforts across the enterprise.

Deliverable:

The deliverable on this DOTS request was a series of facilitated working sessions among dredging subject matter experts that produced an updated Engineer Pamphlet; official publication of the updated EP is expected in calendar year 2022.



Figure 1. Example of shell-hash found in Florida, which can rapidly abrade the inside of a pipeline.



Figure 2. Examples of standard safety gear for Quality Assurance Representatives working on a dredging job.



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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