



ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

DOTS response 18-R30 focused on providing assistance to the USACE South Atlantic Division on coral –related aspects of the South Atlantic Regional Biological Opinion currently being drafted. To support this effort, ERDC performed data analysis on background and active (with project) turbidity patterns at different regional projects located near critical coral habitat. In addition to data analysis, and graphical presentation of relevant results, ERDC summarized current state of the science with respect to specific questions about coral sensitivity and turbidity, provided text and references to use in portions of the biological opinion and proposed monitoring plan, and made recommendation on instrumentation and monitoring protocols.

Period of Performance:

08/01/18- 08/24/18

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

The materials provided through this DOTS request served the South Atlantic Division with recommendations, citations and data analyses to come up with a clear path forward for establishing a scientifically based approach to dredge, nourishment and burrow projects near crucial coral habitat.

Deliverable:

Graphs and data analytics, text for inclusion in monitoring plan, instrumentation description, recommendation and cost estimate, relevant reference material.

*Limit content to one page.

**Fill out the primary Point(s) of Contact, laboratory, and email address information in the footer. Add the DOTS ID assigned to this response (e.g., DOTS-18-3) in the footer.

***The fact sheet will appear on the DOTS website once satisfactorily completed.



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