



Monitoring Plan Port Everglades Deepening Project

ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

SAJ is designing a long-term hydrodynamic and water quality monitoring program for the Port Everglades deepening project. Long-term and real-time monitoring will likely to be required by regulatory agencies on this and other upcoming projects to ensure that dredging is conducted in a productive and environmentally protective manner. The monitoring plan will incorporate a suite of monitoring instruments, including acoustic Doppler profilers (ADCPs), altimeters, multi-parameter sondes, a telemetry system, means for data processing, etc. SAJ staff does not have the expertise on these instrument packages to develop a feasible monitoring plan for these projects and needs ERDC's staff expertise and input to ensure these plans are developed in a sensible and coherent manner to serve their respective purposes on these projects.

Period of Performance:

Oct 2018 – Sep 2019.

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

Collaboration between ERDC and SAJ scientists/engineers will ensure an effective monitoring strategy is designed. This monitoring system will use state of the art instrumentation to monitor dredging processes and ensure environmental resources are protected during the dredging process.

Deliverable:

ERDC and SAJ staff have collaborated on developing a preliminary monitoring plan. This plan includes specific instrumentation, a real-time buoy strategy, plans for data collection and telemetry, and an instrument deployment and maintenance plan. This plan was presented to and discussed with representatives from multiple involved agencies at a meeting in Ocala, FL.



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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