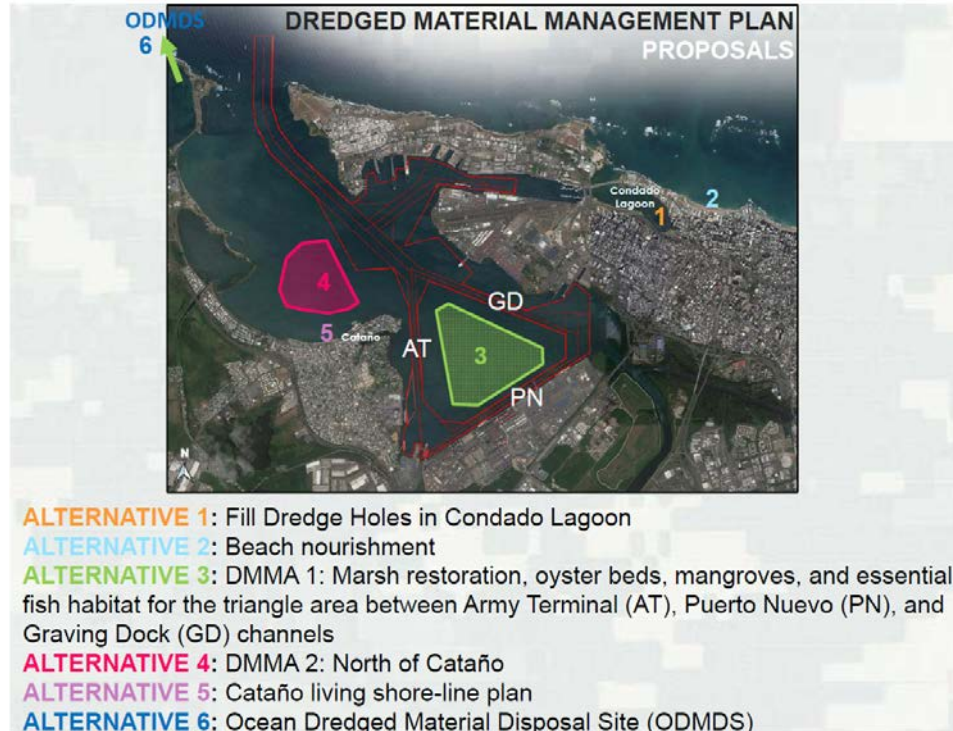




Incorporation of RSM into SMART Planning

Description

This proposal will use the ongoing San Juan Harbor widening and deepening navigation feasibility study as an example to document RSM implementation throughout the SMART process. Incorporation of RSM strategies and coordination with essential stakeholders is currently underway for the SMART Planning navigation improvement study in San Juan Harbor, Puerto Rico. The three-year study period for the SMART Planning process does not allow a great deal of time to explore RSM opportunities for feasibility studies. This proposal seeks to investigate the practicability and areas for improvement to encourage incorporation of regional sediment management into the SMART Planning study process.



Issue/Challenge To Address

The benefits of regionally beneficially using sediment derived from Federal civil works projects have become widely accepted across the nation. A challenge that project delivery teams (PDTs) are facing arises during the SMART Planning study phase. The level of effort to pursue RSM strategies versus the base plan is not commensurate within the stringent timing and budget constraints for these studies. This proposal seeks to document how to overcome the challenges PDTs face through the study process, when the best time to start incorporating RSM philosophies, who the general key players are that need to be involved (both within and outside the USACE) and some streamline techniques that may be applied. The expectation is that this proposal's resulting product may be utilized as a user-guide for other PDTs to integrate RSM into their studies.

Successes Lessons Learned

Lessons learned will be compiled during the duration of this study and incorporated into final product.



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Expected Products

- Coordination with PDT on study development
- Coordination with environmental resources agencies
- Refined list of RSM opportunities within San Juan Harbor
- RSM in SMART Planning User Guide

Stakeholders/Users

As the intention for this proposal's application is to be utilized across all USACE Districts, this effort relates to a larger regional framework. Stakeholders include project delivery teams on SMART Planning studies, environmental resource agencies, and those parties involved in the development and implementation of RSM solutions.

Projected Benefits Value Added

The value added by incorporating RSM into the San Juan Navigation study and other SMART Planning studies can be seen in the lifecycle cost savings ranging from long term benefits with regard to potential compensatory mitigation credits from the RSM effort in the flood risk management business line as well as short term benefits with regard to the transportation cost savings by limiting the distance traveled to the ODMDS in a navigation study.

Leveraging Opportunities

The ongoing San Juan Harbor feasibility study will be the example used to demonstrate how RSM can be incorporated into the SMART process. Project funds will be leveraged to carry out the typical plan formulation component while funding from this proposal will focus on incorporation of RSM strategies and completion of the user-guide. Various opportunities for leveraging exist with this proposal as there are several authorities to implement the RSM initiatives identified thus far, including the San Juan Harbor study itself. There is also existing information in the form of surveys and studies performed by the local agencies and the non-Federal sponsor for some of the identified RSM initiatives as well as support by the sponsor and environmental resource agencies.

Point of Contact

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Participating Partners

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