



US Army Corps
of Engineers®

Regional Sediment Management Program



Jacksonville District:
San Juan Harbor Region, Puerto Rico RSM

Description	The Puerto Rico Department of Natural and Environmental Resources (DNER) and academia in Puerto Rico are interested in addressing coastal erosion issues surrounding the deep draft San Juan Harbor Federal Navigation Project. Several Federal and non-federal studies have been completed to provide a basis for RSM and Engineering With Nature (EWN) strategies linking coastal, navigation, and ecosystem recreation projects in a region centered on San Juan Harbor. SAJ proposes to 1) conduct a study of RSM and Engineering With Nature (EWN) problems and opportunities across a north-coast region centering on the deep draft San Juan Harbor Federal Navigation Project. Study would include combining existing sediment budgets into one budget for the region. 2) conduct analyses of coastal erosion problems and RSM/EWN solutions at two specific sites of concern: Loiza and Isla Verde Beach.
Issue/Challenges	In the past, navigation and shore protection projects in Puerto Rico have been constructed and managed in a project-centric fashion, not considering the entire coastal system.
Expected Products	<ul style="list-style-type: none">- RSM Puerto Rico North Coast technote including next steps and potential RSM strategies for the region- potential sediment budget in SBAS- Stakeholder meetings
Potential Users	USACE, DNER, University of Puerto Rico, local stakeholders.
Projected Benefits	Align RSM/EWN study goals with local needs and opportunities. Establish enhanced sediment management practices to reduce O&M costs on the Federal navigation projects while enhancing storm damage reduction function.
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Leveraging Opportunities	Opportunities exist to leverage RSM funding with San Juan Harbor Navigation project funds (GI, CG and O&M) as well as potential for partnering with DNER and University of Puerto Rico.
Participating Partners	USACE-SAD-SAJ, DNER, University of Puerto Rico