



Regional Sediment Management Program

Hawaii Regional Sediment Management



Description **Honolulu District RSM Needs Assessment:** The goal is to conduct an assessment of RSM problems and opportunities associated with the Navigation and Flood Risk Management projects in Hawaii. Work on this task started in January 2012 and will be completed by the end of FY12.

Historically, RSM efforts in Hawaii have focused on quantification of regional sediment budgets, coordination with stakeholders and identification of improvements to operational efficiencies for Federally authorized projects in specific regions around the state. To date, Hawaii RSM has been instrumental in quantifying coastal processes and identifying sediment related issues in various regions on Oahu (Mokapu Point to Makapuu Point and Diamond Head to Pearl Harbor), Kauai (Poipu and Kekaha) and Maui (Kahului and Kihei). Yellow push pins on the map below indicate the locations of these regions.

The FY12 RSM work will result in an inventory of sediment related problems and opportunities at Navigation and Flood Risk Management projects in Hawaii. This effort will result in the identification and prioritization of future RSM activities in Hawaii. Opportunities to provide ecosystem restoration in association with the disposal of dredged material will also be identified.



Location Map: Hawaii RSM state-wide inventory (previous RSM regions shown).

Issue/Challenges



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Challenges and issues of state-wide implementation of RSM in Hawaii will be identified as problems and opportunities are being assessed. Full documentation of findings will be provided in a technical note.

Expected Products

A technical note will be prepared that summarizes the Honolulu District's RSM needs for all USACE projects throughout Hawaii.

A state-wide assessment of the various RSM opportunities associated with the USACE's Navigation, Flood Risk Management, and Ecosystem Restoration missions regarding sediments and regional management would be conducted. Honolulu District will investigate RSM opportunities along all shoreline regions in Hawaii.

Potential Users

The USACE and specifically Honolulu District will be the main user of the Hawaii RSM needs assessment. Other Federal, State and local agencies will benefit from the findings as well. Resource agencies such as USF&WS, NMF and NOAA will gain a better understanding of the magnitude of sediment involved with the maintenance Hawaii's ports, harbors and beaches. County agencies will be consulted as to where their RSM focus lies and to what extent a regional perspective can save money and time. End users of the projects are the commercial and recreation maritime communities throughout the state.

Projected Benefits

This effort will result in the identification and prioritization of future RSM activities in Hawaii. The work will enable Honolulu District to proactively address beneficial use opportunities and potential stakeholder collaboration within the State of Hawaii, both on an island by island basis, as well as potentially between islands. Gaining an overall understanding of sediment supply versus demand will greatly improve Honolulu District's ability to strategize regional sediment activities with non-Federal sponsors, other Federal agencies and general stakeholders.

Leveraging Opportunities

Potential RSM activities will be assessed for both Federal and non-Federal navigation and shore protection projects. Ecosystem restoration opportunities will also be identified. POH's RSM PDT will engage with state agencies such as Hawaii Ports Department (deep draft harbors) as well as the Department of Outdoor Boating and Recreation (shallow draft harbors).

Points of Contact

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Participating Partners

Hawaii Department of Land and Natural Resources, Office of Conservation and Coastal Lands (non-Federal sponsor), Ports Department, Department of Outdoor Boating and Recreation, City and County of Oahu, Kauai County, Maui County and Hawaii County