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The latest HSBPA news!

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The [Hawaii Shore & Beach Preservation Association \(HSBPA\)](#) is an organization of private sector, academic, government professionals, students, and local community members dedicated to the preservation and restoration of Hawaii's beaches and coastal environments.

We are aiming to bring together various members of the coastal community and have established the following goals:

- Foster dialogue and cooperation on coastal management issues in Hawaii, including but not limited to: beach preservation and restoration, coastal environment protection, coastal erosion and shoreline protection, sediment management, shoreline access, value and economics of beach and coastal resources, and coastal hazards inclusive of climate change, sea-level rise,

HSBPA NEWS: Winter 2016

Welcome to the HSBPA Newsletter!

If you are already an HSBPA member, we hope you have found value in receiving these newsletters. If you are not currently an HSBPA member, and you are receiving this newsletter for the first time, then you have been identified as someone who may be interested in our organization.

Our periodic newsletters communicate recent news, research or project updates, legislative reports, and other items of interest to our members and stakeholders. Below, this issue features interesting research and project briefings from two of our members. If you have items of interest to share in future issues, please email us at aloha@hawaiiishoreandbeach.org!

Also [visit our website](#) for more information about HSBPA and how to become a member. If you do not wish to receive these newsletters, you can unsubscribe from our list.

Murky Waters: Carbonate Sand Beach Nourishment Challenges

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development of chapter members and the education of students and community members through meetings, newsletters, publications, workshops, and regional conferences.

- *Engage the community and relevant organizations to identify partnerships, projects, and research needs relating to coastal and beach preservation in Hawaii.*

- *Review and comment on laws, regulations, programs, projects, and funding pertaining to Hawaii's beaches and coastal environments.*

Hawaii Island Representative)

The future of beach preservation of Hawaiian beaches may lie with replenishment; however, nourishing carbonate sand beaches has its challenges. Obstacles include the release of silt and clay-size carbonate fines from the replenishment sand, having the potential of harming nearshore marine fauna and flora, as well as cement-like hardening of the nourishment deposit itself, adding another hazard for beach goers...[GET FULL STORY HERE.](#)

USACE Brings Regional Sediment Management to American Samoa

Article Contributed by: Jessica Podoski (USACE Honolulu District; HSBPA Ex-Officio)

The objective of the U.S. Army Corps of Engineers' (USACE) Regional Sediment Management (RSM) Program (<http://rsm.usace.army.mil/>) is to optimize the use of sediments and management of projects through a systems-based approach. RSM supports sustainable navigation and dredging, flood and storm damage reduction, and environmental restoration practices to increase overall benefits and reduce costs. RSM strives to enhance the planning, construction, and operation and maintenance of projects where the exchange of sediments would occur naturally. RSM is also a means to involve stakeholders to leverage resources, share technology and data, identify needs and opportunities, and develop solutions to improve the utilization and management of sediments. RSM has been utilized within Hawaii for over a decade in locations around Oahu (Mokapu to Makapuu, Diamond Head to Pearl Harbor, Haleiwa, and Sunset Beach), Maui (Kihei, Kahului, and West Maui), and Kauai (Kekaha, and Poipu).

The USACE Honolulu District's RSM program (<http://rsm.usace.army.mil/Hawaii/>) has recently broken new ground by bringing the systems approach concept to civil works projects in the U.S. Territory of American

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assistance to the territory for enhancements of navigation, shore protection, flood control, emergency management capabilities and life safety measures. The USACE has constructed and maintains small boat harbors on the territory's main islands (Tutuila, Aunuu, Tau, Ofu and Olosega). Shore protection projects have been constructed by the USACE along many miles of the shoreline within the territory to reduce the impacts of storms on critical infrastructure and upland development.

The existing federally authorized shore protection projects in AS all consist of "hard" structural features, such as rubblemound revetments. In addition, the American Samoa Government (ASG) has constructed similar projects that have reduced the amount of sandy shorelines in the territory. This trend will continue into the future in response to coastal storms and sea level rise impacts unless "soft" solutions to the problem are implemented. The ASG has expressed concerns for the loss of sandy shorelines as it impacts subsistence and quality of life for the people of American Samoa. ASG Department of Commerce (DOC) will be the non-federal sponsor of this and future RSM initiatives in the territory. The DOC is in strong support of implementing RSM measures to maximize beneficial use of sediment on a regional scale in the territory and in particular at Utulei Beach.

This study will investigate sediment related problems and opportunities in the Utulei Beach region on the island of Tutuila in the village of Pago Pago. The Utulei Beach region extends from Tulutula Point through Utulei Beach Park, approximately 0.8 miles of shoreline. The Utulei Beach RSM initiative will evaluate recent changes and existing condition of the shoreline, potential sediment sources, examine coastal processes, engage stakeholders, and identify potential RSM projects in the region.

The Honolulu District and the DOC conducted a stakeholder workshop on July 27, 2016 in the Utulei Beach region, consisting of attendees from the Federal and territorial government, the National Park Service, the American Samoa Coral Reef Advisory Group, as well as

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concerns relating to sediment management in the region, including environmental resources present, observed historical sediment transport patterns, and historical sand mining in the region, to name a few. The attendees discussed potential environmental concerns, engineering challenges, and potential future funding sources, all of which will need to be considered as potential RSM projects for the Utulei region are developed.



Image: Typical shoreline within the Utulei Beach Region, American Samoa.



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