



## **2014 ANNUAL MEMBERS MEETING AND BEACH RESTORATION WORKSHOP**

**Monday, November 24<sup>th</sup>, 2014**

**Kapiolani Community College, Tamarind Banquet Room**

**Sponsored by:**

**The Hawaii Department of Land and Natural Resources, Office of Conservation and Coastal Lands**

### Hawaii Beach Restoration Workshop

Got Sand? Hawaii's beaches are disappearing at an alarming rate due to natural and human impacts. Sand nourishment is a common approach to restoring beaches and dunes on the U.S. mainland and has been practiced on a smaller scale in Hawaii over the past century with varying success. What are the needs, opportunities and challenges to make beach restoration a viable option for managing Hawaii's eroding beaches? Join us as we share thoughts and experiences on past and upcoming projects and discuss three major concerns in implementing beach restoration projects in Hawaii: sand availability, funding, and environmental and regulatory challenges. Outcomes from discussion panels and breakout groups will be documented in an HSBPA white paper intended to help inform and prioritize efforts by HSBPA members, resource managers, policy-makers, scientists, engineers, and public and private stakeholders in preserving and restoring Hawaii's beaches and coastal environments.

### **Agenda**

#### Morning Association Meetings

8:30-9:20 HSBPA Board of Directors Meeting, continental breakfast (Board members, only)

9:30-10:20 HSBPA Annual Meeting (HSBPA members and invited guests welcome)

#### Beach Restoration Workshop

10:30-10:50 Workshop Introduction

10:50-11:50 Discussion Panel 1: *Sand Availability for Beach Restoration Projects*

12:00-1:00 Lunch (provided) and Keynote Speaker (12:15-1:00): Scott Sullivan, Sea Engineering, Inc.  
*Recent and Future Hawaii Beach Nourishment*

1:10-2:10 Discussion Panel 2: *Cost, Funding, and Value of Beach Restoration in Hawaii*

2:20-3:30 Discussion Panel 3: *Environmental and Regulatory Challenges with Beach Restoration*

3:40-4:10 Breakout Sessions (3 groups address solutions to challenges from Discussions 1-3)

4:10-4:40 Breakout Groups Report Back

4:40-5:00 Closing, final remarks and comments

5:00-7:00 Pau Hana social (pupus, cash bar)

**Discussion Panels:** Three invited panel members will provide short presentations (10 minutes, ea.) and engage in discussion with fellow panel members and the audience on three key topics, below. Moderators will record questions, challenges, and recommendations from the panel and audience for further discussion in breakout groups. Outcomes from discussion panels and breakout groups will be documented in an HSBPA white paper.

**Discussion Panel 1: *Sand Availability for Beach Restoration Projects***

Is there enough beach-quality sand available to make beach restoration a viable and cost-effective option for erosion management in Hawaii? Land-based sources are very limited and sand quality can be an issue. Large offshore fields of sand have been identified. However, challenges remain related to sand quality, potential environmental impacts, and landing and transporting sand. Beneficial reuse of sand from other projects may provide an additional source for beach restoration.

- *Inland sand for beaches: can't live with it, can't live without it*  
Tara Owens, Extension Faculty, UH Sea Grant and Maui County Planning Department
- *Regional Sediment Management, offshore sand resources, beneficial reuse of dredge material*  
Jessica Podoski, Engineering, Honolulu District of the U.S. Army Corps of Engineers
- *Offshore sand prospecting for Beach Restoration Projects*  
Jim Barry, Coastal Engineer, Sea Engineering, Inc.

**Discussion Panel 2: *Cost, Funding, and Value of Beach Restoration Projects***

How can we improve funding for beach restoration in Hawaii? Hundreds of millions of dollars are “pumped” into beach restoration projects on the U.S. mainland. The cost and time span for permitting creates high up-front costs. We lack information on the economic and societal value of our beaches, making it difficult to compare cost-effectiveness of beach restoration with alternatives such as armoring.

- *Cost and funding of recent and proposed beach restoration projects*  
Sam Lemmo, Administrator, DLNR Office of Conservation and Coastal Lands
- *Local and federal funding for mainland beach restoration projects*  
Andrew Wycklendt, Project Manager and Coastal Engineer, CB&I
- *Value of Hawaii's coastal ecosystems*  
Greg Guannel, Coastal Engineer, Natural Capital Project

**Discussion Panel 3: *Environmental and Regulatory Challenges with Beach Restoration***

Hawaii beaches front sensitive reef and marine environments, so understanding and mitigating impacts from restoration projects is crucial. However, the permitting process for beach restoration has become very burdensome and time consuming making many beach restoration projects impractical and cost-prohibitive. Can we strike a balance between environmental concerns and the need to authorize beach restoration projects in a timely and cost-effective manner?

- *The Clean Water Act and the 401 and 404 process in Hawaii*  
Rob Walker, Coastal Engineer, Anchor QEA, LLC
- *Overview of benthic surveys for the 2012 Waikiki Beach restoration and future recommendations*  
Zac Forsman, Researcher, Hawaii Institute of Marine Biology and Coral Specialist, DLNR-DAR
- *Streamlining beach restoration permits in Hawaii*  
Brad Romine, Extension Faculty, UH Sea Grant and DLNR-OCCL

**Breakout Groups:** Three breakout groups will discuss ideas and solutions to challenges raised in Discussion Panels 1-3 and report back to the meeting.