

# Responding to Sea Level Rise in the South Bay: Local and Regional Implications of Alternative Future Shoreline Configurations

A Workshop Sponsored by the  
Bay Area Ecosystems Climate Change Consortium & The Climate Readiness Institute  
San Francisco Bay National Wildlife Refuge Complex Headquarters  
1 Marshlands Rd, Fremont, CA 94555  
September 27, 2016

## AGENDA

**8:30 Light breakfast and coffee**

**9:15 Welcome, review plan for the day.**

*Anne Morkill, USFWS; Bruce Riordan, CRI; Andy Gunther, BAECCC*

**9:45 Projected Inundation from Sea Level Rise in the South Bay.**

*Justin Vandever, AECOM*

Mr. Vandever will review recent modeling for FEMA regarding inundation due to sea level rise, describing the physical factors forcing tides in the South Bay and the major vulnerabilities for inundation in the region.

**10:15 Strategies for Adapting to Long Term Sea Level Rise.**

*Professor Kristina Hill, UC Berkeley*

Professor Hill will review possible adaptation strategies for south bay shorelines using examples from different regions, and the social and physical dynamics influencing their success.

**10:45 Break**

**11:00 Impacts of natural shoreline features on water heights at local and regional scales.**

*Rusty Holleman, SFEI*

Dr. Holleman will review the flood control benefits of natural shorelines, how individual projects and sub-regional marsh complexes can influence wave heights, tidal characteristics, and sediment transport.

**11:30 How linkages between local and regional shoreline characteristics can influence future tidal heights.**

*Professor Mark Stacey, UC Berkeley*

Professor Stacey will review in concept how local actions can create regional effects and how regional actions can set local conditions, and discuss some specific examples in the South Bay based on initial modeling results.

**12:00 Lunch and Keynote Address by Supervisor Dave Pine**

Lunch will be provided, with a keynote address from Supervisor Dave Pine of San Mateo County. Mr. Pine also serves as Chair of the San Francisco Bay Restoration Authority.

**1:15 Review illustration of shoreline projects, charge to breakout groups**

*Andy Gunther, Bruce Riordan*

A compilation of existing projects as a working illustration will be briefly reviewed along with the objectives for the afternoon discussion.

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**1:30 Facilitated Breakout Groups**

Participants will move between three stations that will gather information regarding what (1) future scenarios should be prioritized for future analysis and consideration, (2) issues that should be addressed regionally v. locally, (3) changes/additions that are needed to the draft illustration and potential applications

**3:00 Report out by group facilitators**

Brief highlights of ideas developed at each station

**3:15 Next steps**

Expected next steps, as influenced by outcomes from the day, will be presented

**3:30 Adjourn**