

Our Coast—Our Future

Coastal Manager Scoping Workshops

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Update to the GFNMS Advisory Council
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OUR COAST—OUR FUTURE

Goal

Provide Bay Area coastal managers and planners with science-based, decision-support tools to plan for and respond to sea level rise and storm hazards along the region's outer coast.

Objectives

Model vulnerabilities to SLR & storm hazards.

Assess stakeholder info needs.

Map vulnerabilities at appropriate scale for management action.

Develop web-based decision support tools to interpret data in context of management decisions.

www.prbo.org/ocof



OUR COAST—OUR FUTURE

Study Region



Half Moon Bay to Bodega Head

COASTAL MANAGER SCOPING WORKSHOPS

Our Coast—Our Future

Planning for Sea Level Rise and Storm Hazards
Along the Bay Area's Outer Coast

Preparing for Tomorrow's Coast

With a changing climate, the California coast faces impacts from sea level rise, increased storm frequency and intensity, and coastal erosion.

To prepare for these impacts, coastal managers and planners need to understand how these future changes affect local ecological systems and human infrastructure.

Gulf of the Farallones National Marine Sanctuary, PRBO Conservation Science, U.S. Geological Survey, and the National Park Service have teamed up to help address the effects of sea level rise and storm hazards from Half Moon Bay to Bodega Head.



Our Coast—Our Future provides Bay Area natural resource managers, local governments and others with science-based, decision-support tools to plan for and respond to sea level rise and storm hazards along the region's outer coast.

Benefits to Our Coast

IMPROVED municipal, county, state, and federal government capacity to respond to rising sea level and storm hazards.



IMPROVED communication between climate change researchers, modelers, and managers.

COORDINATION in developing and implementing adaptive management strategies.

COORDINATION of San Francisco Bay Area outer coast and bay modeling efforts.

ENHANCED use of modeling information to ensure long-term effectiveness for local planning and management decisions such as: determination of infrastructure vulnerability; prioritization and design of habitat restoration and protection projects; and identification of habitats for mitigation.

Dates

August 23rd Petaluma

August 25th San Francisco

Goal

Scope info needs for online decision support tool to plan for and respond to SLR and storm hazards from Half Moon Bay to Bodega Head.

Audience

Coastal managers and planners with jurisdiction and legal authority along the north-central CA coast that use SLR and storm data and info in decision-making.

COASTAL MANAGER SCOPING WORKSHOPS

Gain an Understanding of...

- Management questions related to SLR and storm hazards that could be addressed through the use of a decision support tool.
- Adaptation, restoration, management planning actions underway or being considered, and geographic extent.
- Stakeholders' processes for planning for SLR and storm hazards and how to best design and integrate decision support tools.



COASTAL MANAGER SCOPING WORKSHOPS

Our Coast—Our Future Coastal Manager Scoping Workshops

August 23 and 25, 2011 | 9:00am – 4:00 pm

Agenda

TIME	TOPIC	LEAD
9:00	Coffee and Refreshments	
9:15	Welcome	Maria Brown, GFNMS & Ellie Cohen, PRBO
9:20	Introductions	Kelley Higgason, GFNMS
9:40	Workshop and Project Overview	Kelley Higgason, GFNMS
10:05	Tools for Planning and Management	John Rozum, EBM Tools Network
10:30	Participant Survey and Discussion: Planning Resources and Process	John Rozum, EBM Tools Network
10:45	Assessing the North-central Coast's Vulnerability to Climate Change Using the Coastal Storm Modeling System (CoSMoS)	Patrick Barnard, USGS
11:10	Participant Survey and Discussion: Planning Horizons, Scenarios, and Spatial Resolution	Grant Ballard, PRBO
11:25	Our Coast—Our Future Decision Support Tool Development	Grant Ballard, PRBO
11:50	Afternoon Logistics and Move To Lunch	Kelley Higgason, GFNMS
12:00	Lunch	
12:45	Breakout Group Instructions and Move To Rooms	Kelley Higgason, GFNMS
12:55	Breakout Groups Part A: Management Questions; Actions Underway or Considered; Lack of Information Obstacles	Facilitators
1:45	Part A Summary and Prioritization	
2:00	Breakout Groups Part B: Desired Tool Capabilities and Functions	Facilitators
2:45	Part B Summary, Prioritization, and Prepare to Report Out	
3:05	Break	
3:15	Breakout Groups Report Out	Kelley Higgason, GFNMS
3:35	Review Priority Questions And Tool Capabilities	
3:45	Participant Survey: Technical Preferences and Preferred Interface	Kelley Higgason, GFNMS
3:50	Wrap Up and Next Steps	Kelley Higgason, GFNMS
4:00	Adjourn	



OUR COAST—OUR FUTURE

Near Term Next Steps

Debrief SAC on workshops at Nov meeting
Workshop Summary Report drafted and posted to website
Data layers gathered, tool development begins

Develop Adaptation Strategies

GFNMS begins work on Adaptive Management and Policy Climate Change Action Plan in spring 2011

Next Steps Beyond 2012

Seeking funds to expand to SF Bay; provide specialized trainings on use of tools; solicit feedback from users and modify; keep data current