What is BayWAVE?

Marin Bay Waterfront Adaptation Vulnerability Evaluation

Opportunity for a coordinated approach to sea level rise in Marin

Process that brings together elected officials and staff at local agencies and municipalities with the science to begin planning towards the future

Vulnerability Assessment and early actions identified and shared locally

Response to the community and an opportunity to be engaged in solutions
Model and Scenario Selection

USGS's CoSMoS model was selected with 6 scenarios

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Near term</th>
<th>Mid term</th>
<th>Long term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea level rise</td>
<td>10 in (25 cm)</td>
<td>20 in (50 cm)</td>
<td>60 in (150 cm)</td>
</tr>
<tr>
<td>SLR + 100 year storm</td>
<td>46 in (3.8 ft)</td>
<td>56 in (4.7 ft)</td>
<td>96 in (8 ft)</td>
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</tbody>
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Our Coast Our Future

http://data.prbo.org/apps/ocof/
Vulnerability Assessment

- Identified the areas impacted by the SLR scenarios along the bay shoreline
- Interview land and resource managers (January - May)
- Public draft expected late summer 2016
Asset types

- Parcels and buildings
- Roads and waterways
- Water, wastewater, stormwater, gas, electricity, and telecommunications
- Agriculture
- Habitats and wildlife
- Recreation and public access
- Emergency services
- Historic and archeological resources
Northern reach
Central reach
Southern reach
Outreach and collaboration

• Public outreach expected with deliverables (Late summer 2016 and winter 2017)
• Targeted outreach for disadvantaged and at-risk communities
• Youth engagement (high school outreach)
• Presentations by request
• Participation in regional sea level rise efforts (Bay Area and state)
• Coordination with other Coastal Conservancy-funded projects in the Bay Area

www.MarinSLR.org
Early Actions

Early warnings in coordination with Local Hazard Mitigation Plan

Adaptation strategy fact sheets

Demonstration project summaries

Final report summarizing all deliverables for BayWAVE and possible next steps (winter 2017)