

Marin Bay Sea Level Rise
BayWAVE Project



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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

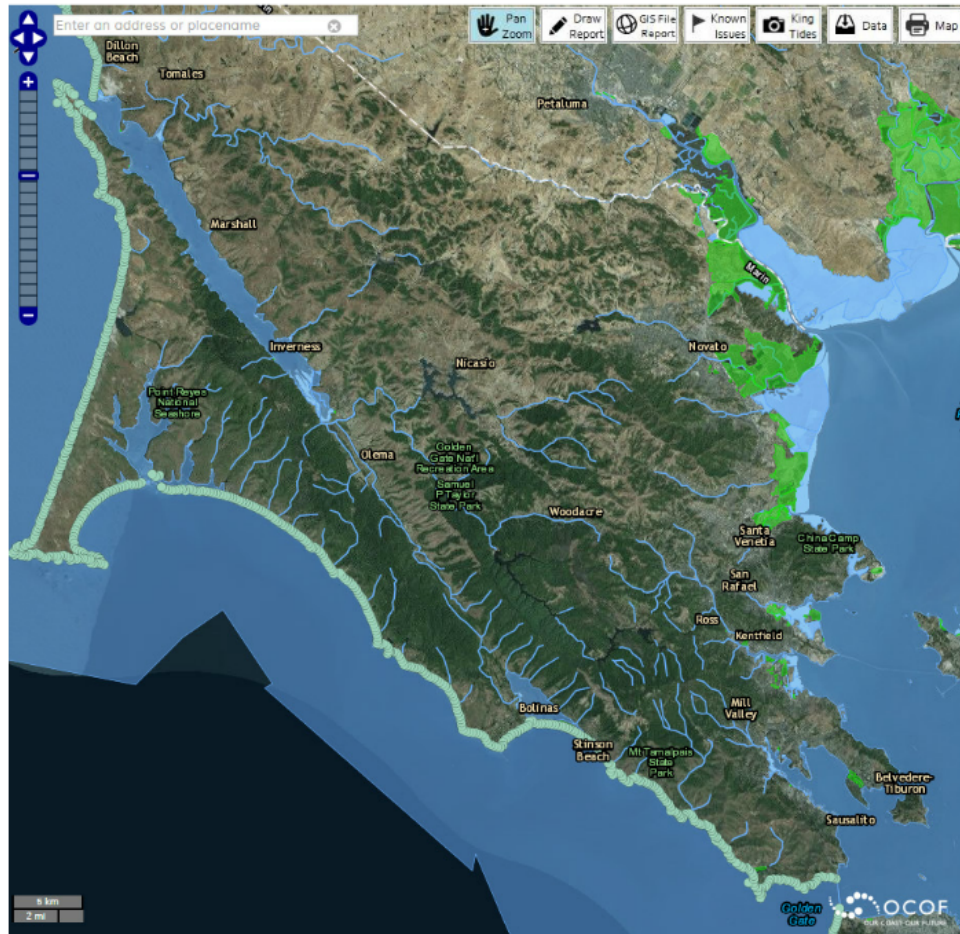
Model and Scenario Selection

USGS's CoSMoS model was selected with 6 scenarios

	Sea level rise	SLR + 100 year storm
Near term	10 in (25 cm)	46 in (3.8 ft)
Mid term	20 in (50 cm)	56 in (4.7 ft)
Long term	60 in (150 cm)	96 in (8 ft)



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<http://data.prbo.org/apps/ocof/>

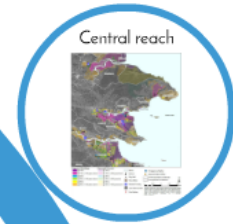


Vulnerability Assessment

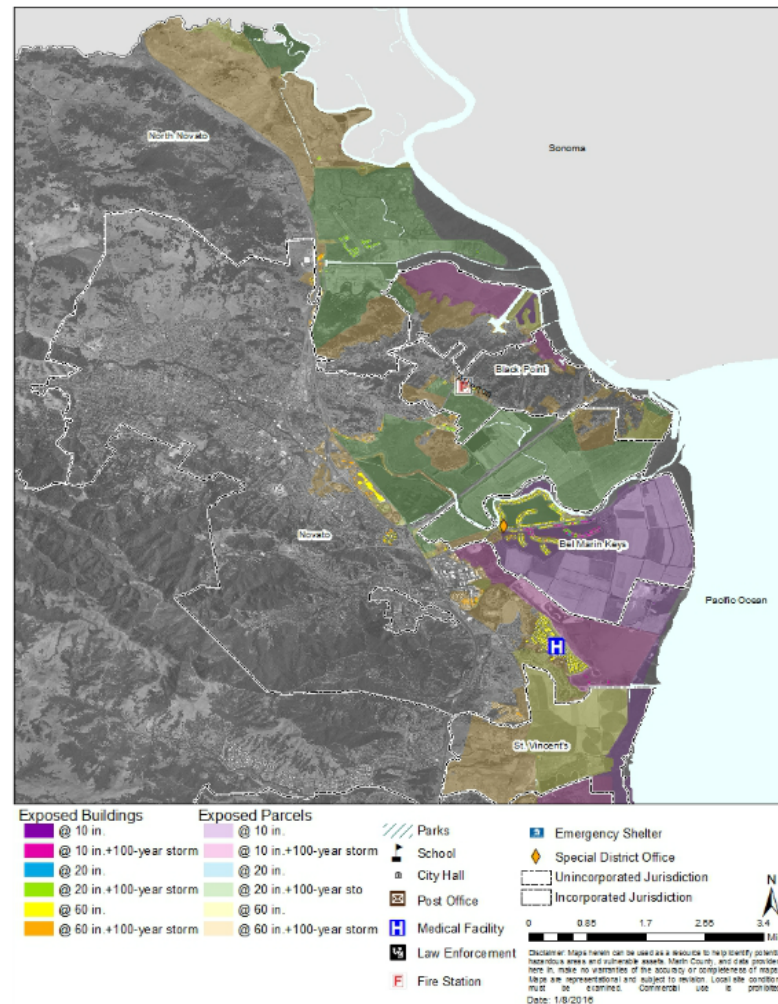
- Identified the areas impacted by the SLR scenarios along the bay shoreline
- Interview land and resource managers (January - May)
- Public draft expected late summer 2016

Asset types

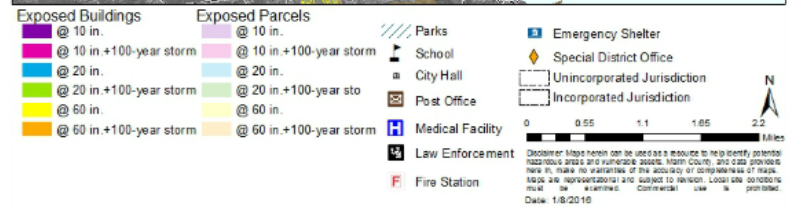
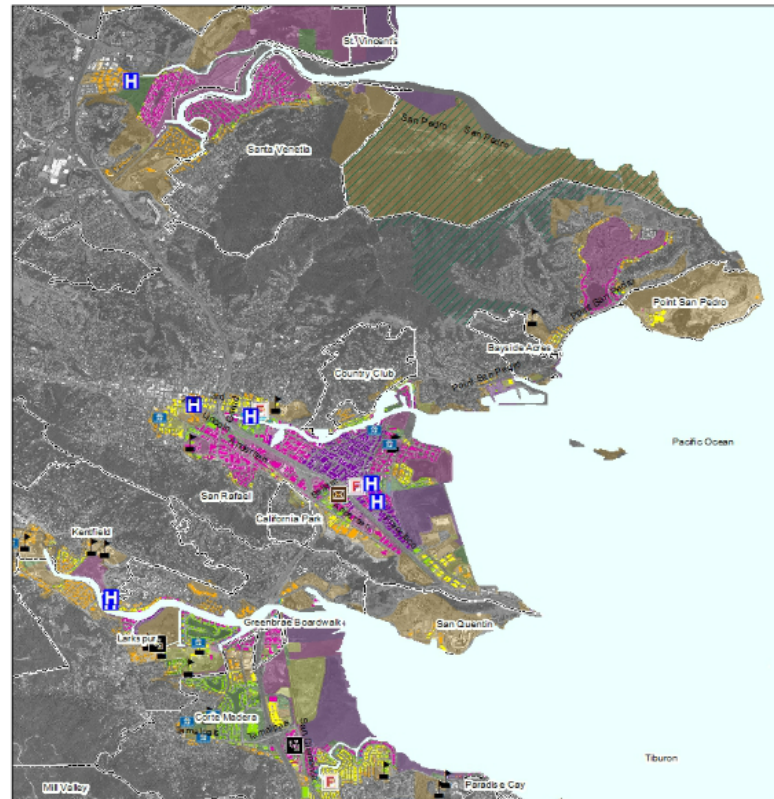
Parcels and buildings
Roads and waterways
Water, wastewater, stormwater, gas, electricity, and
telecommunications
Agriculture
Habitats and wildlife
Recreation and public access
Emergency services
Historic and archeological resources



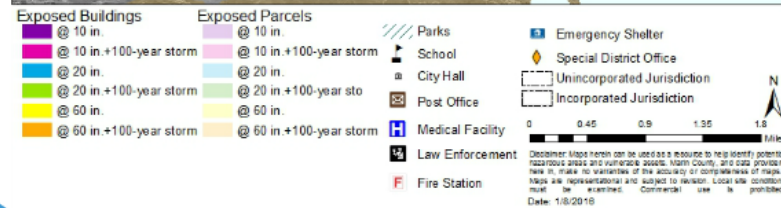
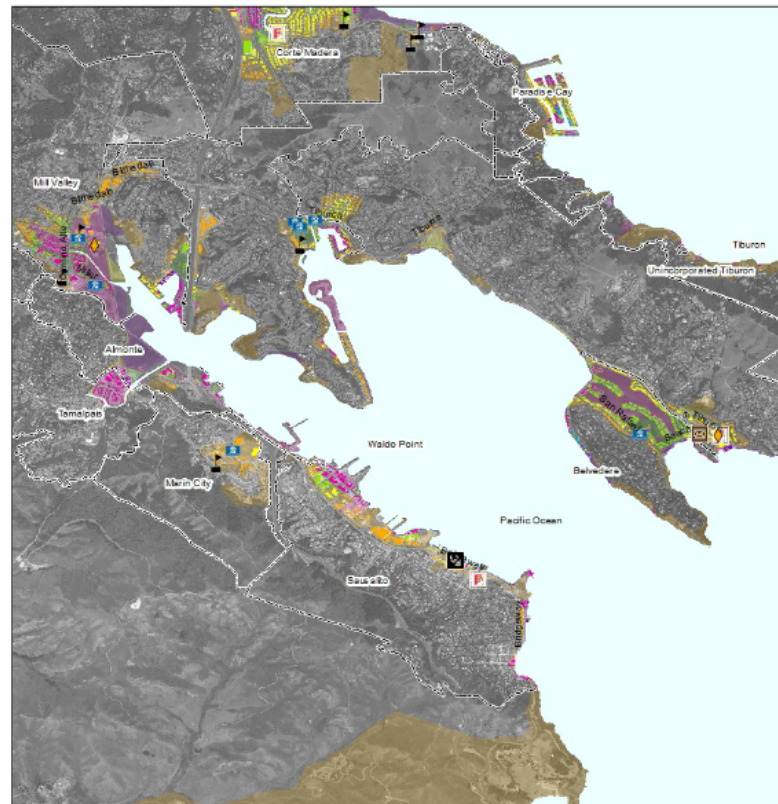
Northern reach



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





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Early Actions

Early warnings in coordination with
Local Hazard Mitigation Plan

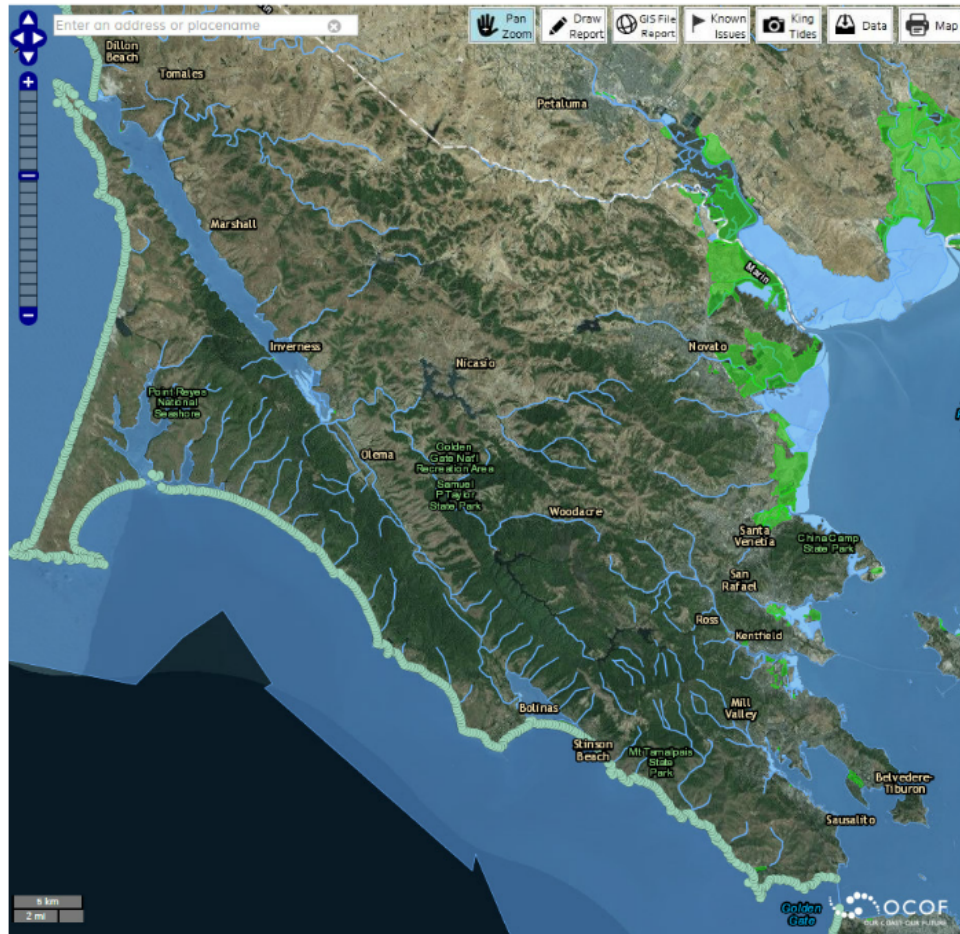
Adaptation strategy fact sheets

Demonstration project summaries

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



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