Marin County Sea Level Rise Adaptation Planning

Marin BayWAVE update to the Marin Climate & Energy Partnership

August 4, 2016











Alex Westhoff, planner Chris Choo, principal planner www.MarinSLR.org

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Scope of work

Task 1: Model and scenario selection

Task 2: Collaboration with local SLR efforts

Task 3: Vulnerability Assessment

Task 4: Public and agency involvement

Task 5: Early Action items

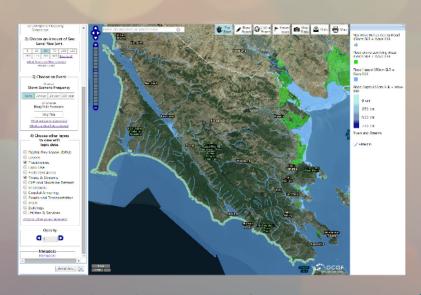
BayWAVE Scenarios

OCOF Model Sea level rise 100 year storm

Near term 25 cm (10 in) 46 in (3.8 ft)

Mid term 50 cm (20 in) 56 in (4.7 ft)

Long term 150 cm (60 in) 96 in (8 ft)



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

Collaboration and public involvement

Collaboration

Staff: local and regional efforts, across departments and agencies

Regional: Coordination with San Mateo, Crissy Field, and City of Benicia Vulnerability Assessment efforts, larger Bay Area sea level rise efforts

Funding: Discussing opportunities for grants and collaboration



Public and Agency Involvement

- Policy, Technical, and Executive Committees to guide the program and provide input
- Targeted outreach to youth and impacted communities
- Respond to public requests for presentations

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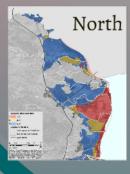






Vulnerability Assessment

- Identified the areas impacted by the SLR scenarios along the bay shoreline
- Identified all the asset managers and property owners within the inundation area
- Vulnerability report to show the impacts by city, town, and asset



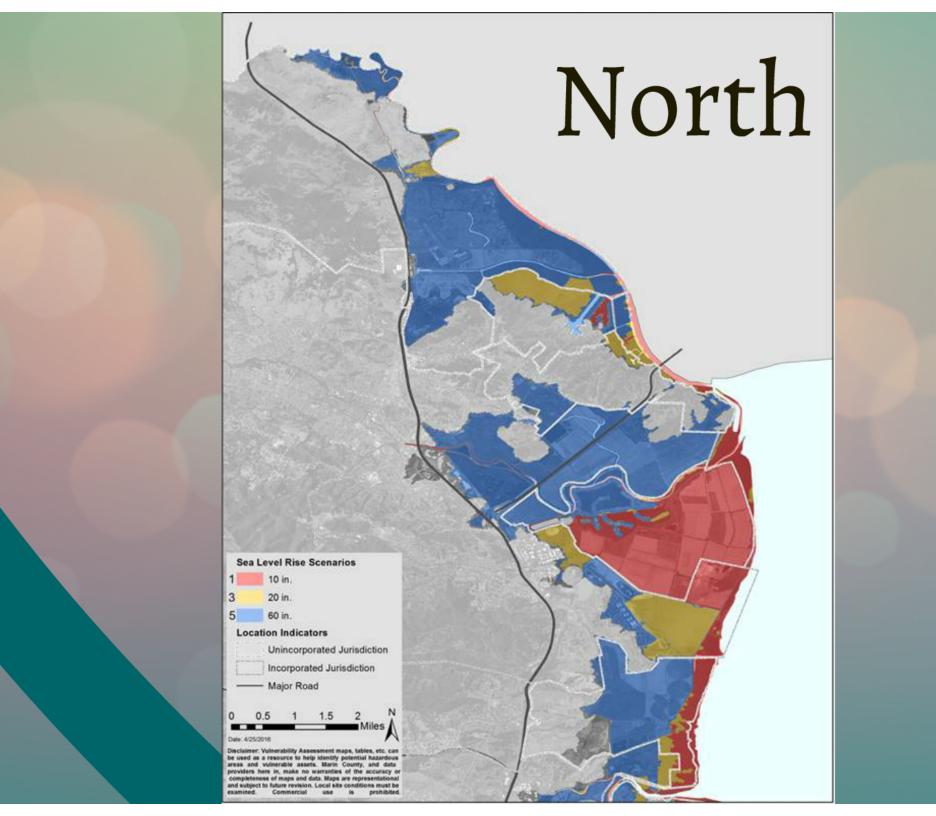


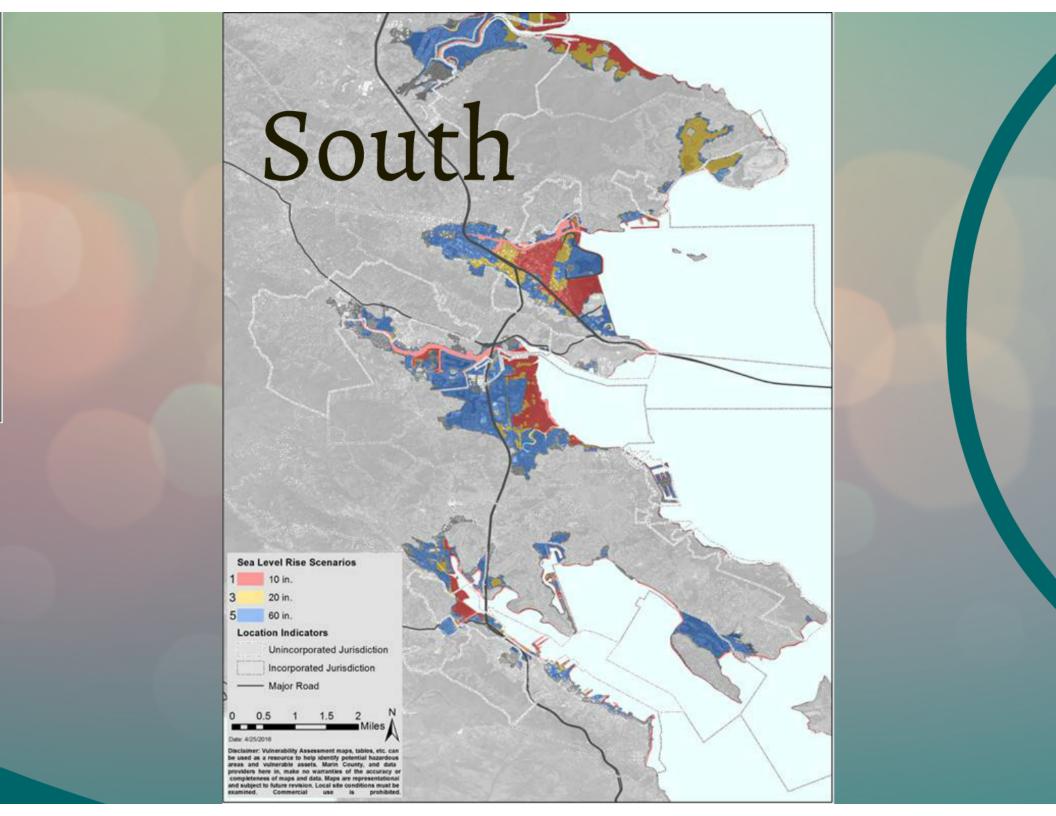


Ass

Parcels and Roads and Water, wastewater, storm telecomm Agric Habitats a

> Recreation an Emergen Cultural





8,360
parcels
exposed

105
asset
managers

property

cts by city,

Assets

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

Early Actions

Adaptation Toolkit

Develop fact sheets on the adaptation measures and guidance on implementation along our shoreline

Local Hazard Mitigation Plan

Coordinate early warnings during flood events with our countywide hazard plan

Aramburu Beach

Addressing erosion from wind and waves by building beach using rock, trees, and sediment



Bothin Marsh

Build wetlands to increase flood protection, create habitat, and be resilient to sea level rise. Develop an approach with the regulatory agencies to reuse sediment to better prepare wetlands for rising tides

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