



DEPARTMENT OF PUBLIC WORKS

Quality, Excellence, Innovation

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April 11, 2017

Marin County Board of Supervisors
3501 Civic Center Drive
San Rafael, CA 94903

SUBJECT: Presentation of the Draft Marin Shoreline Sea Level Rise Vulnerability Assessment

Dear Board Members:

RECOMMENDATION: Receive the Draft Marin Bay Shoreline Sea Level Rise Vulnerability Assessment

SUMMARY: The Department of Public Works and the Community Development Agency have completed the draft Marin Bay Shoreline Sea Level Rise Vulnerability Assessment through the Marin Bay Waterfront Assessment Vulnerability Evaluation project, or BayWAVE. This initiative had three purposes: 1) evaluate the extent of impacted assets, 2) assess the sensitivity and adaptability of selected assets, and 3) work with the cities and towns collaboratively. The BayWAVE report sets the foundation for understanding the vulnerability of our bayside communities and assets to a range of sea level rise scenarios. Several communities already experience tidal flooding and future impacts extend far beyond the immediate shoreline to affect the entire county.

In March 2016, your Board accepted a California State Coastal Conservancy Climate Ready grant to fund this assessment. The Vulnerability Assessment used a computer model developed by the U.S. Geological Service for California to identify and catalog what gets wet and when. Some areas of Marin already experience periodic tidal flooding, but understanding how our infrastructure and communities are impacted with sea level rise is a critical step to begin planning for adaptation. It is the culmination of a year of effort to coordinate, analyze, verify, and summarize data for a diversity of resources along the shoreline. Staff met with cities, towns, agencies, landowners and special districts. The coordination across jurisdictions and agencies is essential to sea level rise planning as the response to rising tides will not stop at our boundaries and will not be achieved by any one entity. This collaborative communication and response is one of the major successes of the process to date and brings a strong network of people who can work with the information provided in the assessment.

The assessment is broken down into two major sections: geography by incorporated and unincorporated area and then by assets including: land, buildings, transportation, utilities, working lands, natural resources, recreation, emergency services, and cultural resources.

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Public meetings are scheduled in April to begin the public outreach on the assessment and initiate engagement with communities. The report is available on www.MarinSLR.org and public comment will be accepted through May 29, 2017.

FISCAL IMPACT: There are no impacts by this action.

REVIEWED BY:	<input type="checkbox"/>	Department of Finance	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	County Counsel	<input checked="" type="checkbox"/>	N/A
	<input type="checkbox"/>	Human Resources	<input checked="" type="checkbox"/>	N/A

Respectfully submitted,



Chris Choo
Principal Planner

Attachment: Draft Marin Bay Shoreline Sea Level Rise Vulnerability Assessment Meeting announcement flyer