

Point Blue

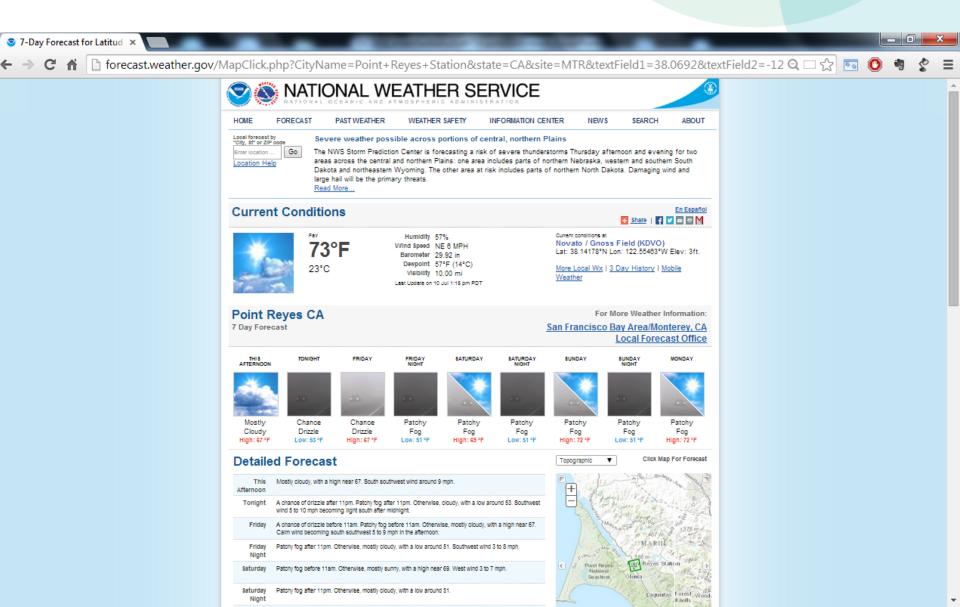
Conservation science for a healthy planet.

- Founded in 1965 as Point Reyes Bird Observatory
- 140 seasonal and full time staff
- 2013 budget: \$10.3 million
- Working to reduce the impacts of environmental change and promote nature-based solutions for wildlife and people

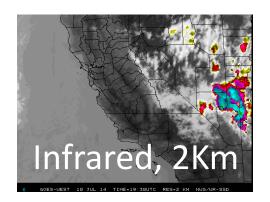


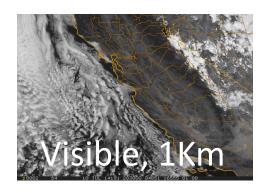


Weather: for the lay person



Weather: for the professional

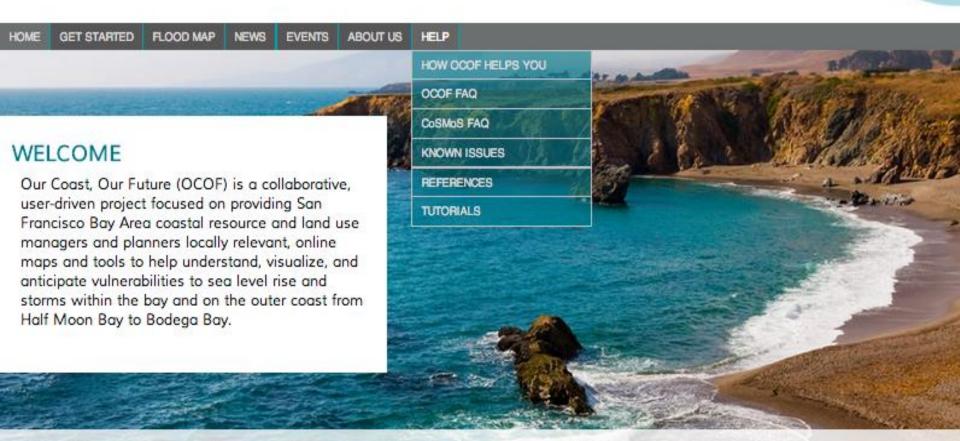






AS OF 1:15 PM PDT THURSDAY...FORECAST FOCUS TODAY CONTINUED ON LOW END THUNDERSTORM CHANCES IN THE EXTREME NORTHEAST PORTIONS OF NAPA COUNTY. AS THE UPPER LOW SPINS SLOWLY TOWARDS THE COAST TONIGHT...AND IMPULSE LIFTING NORTH AROUND THE LOW WILL HELP PROVIDE SOME LIFT TO ACT ON MID LEVEL MOISTURE. MUCAPE AND TT FIELDS INDICATE AT LEAST A LOW END THREAT FOR THUNDERSTORMS ACROSS NORTHEAST NAPA COUNTY TONIGHT...PRIMARILY AFTER 09Z /2 AM PDT/. THE AREA REMAINS ON THE SOUTHERN EDGE OF A VERY TIGHT INSTABILITY GRADIENT WHICH WILL FAVOR SACRAMENTO AREA AND POINTS NORTHWARD FOR MORE SIGNIFICANT THUNDERSTORM DEVELOPMENT BUT GIVEN THE FAVORABLE PARAMETERS WILL MENTION THIS LOW END THUNDERSTORM THREAT AFTER COORDINATION WITH NEIGHBORING OFFICES. THREAT WILL END BY AROUND SUNRISE FRIDAY AND THE INSTABILITY GRADIENT LIFTS NORTH OUT OF THE AREA. THE UPPER LOW AND THE SHORTWAVE TROUGH RESPONSIBLE FOR THIS WILL THEN LIFT BACK WESTWARD ACROSS THE PACIFIC AND HEIGHTS WILL RIDGE AGAIN ACROSS THE ARFA.











Get Started Now >>

If you are new to OCOF, check out our Get Started page to understand more about this project and how to effectively use the data and tools in your work.

Getting Started Using Our Coast, Our Future (OCOF)

Thank you for using the Our Coast, Our Future website. The following steps will help you get started using the modeling results for sea level rise and storm surge in the San Francisco Bay area.



Create an account.

Start by registering for an account. You must create an account in order to access the interactive map. Registering allows us to notify you when data is updated and to keep you informed if any changes are made to the site.



Get familiar with the project.

If you are brand new to OCOF, we suggest you look over these resources to get a quick introduction to the project and how OCOF can benefit your work.



If you are unfamiliar with OCOF, this two-page introduction will provide an overview of the project and the tools available on this website.

How OCOF can help you.

Read about who this project was developed for, what types of planning and outreach can benefit from this information, and where OCOF fits in the climate change adaptation planning process.





Learn how to use the online tools.

OCOF provides sea level rise and storm surge scenarios for the San Francisco Bay Area. These resources will help you navigate the online tools we have available to explore these results.

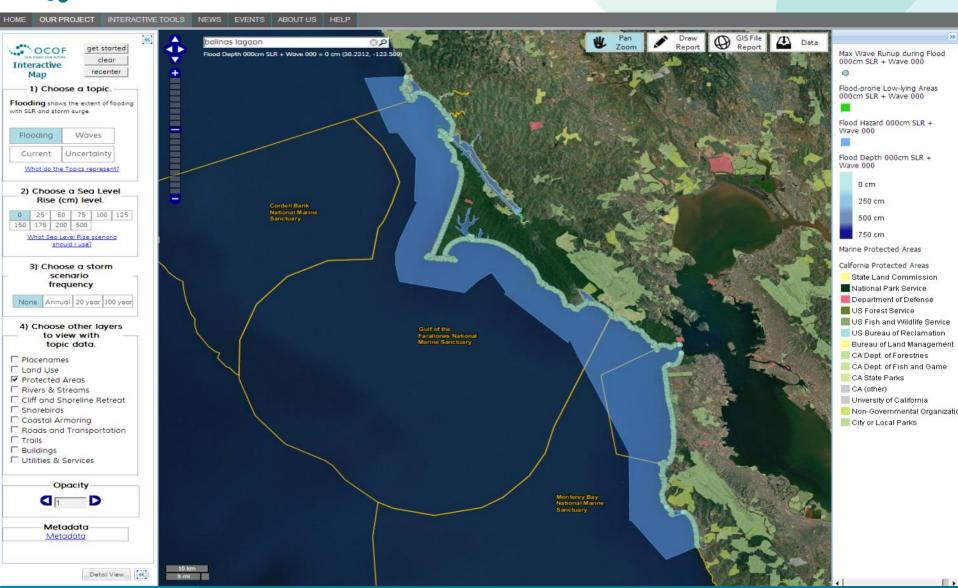
Tutorials

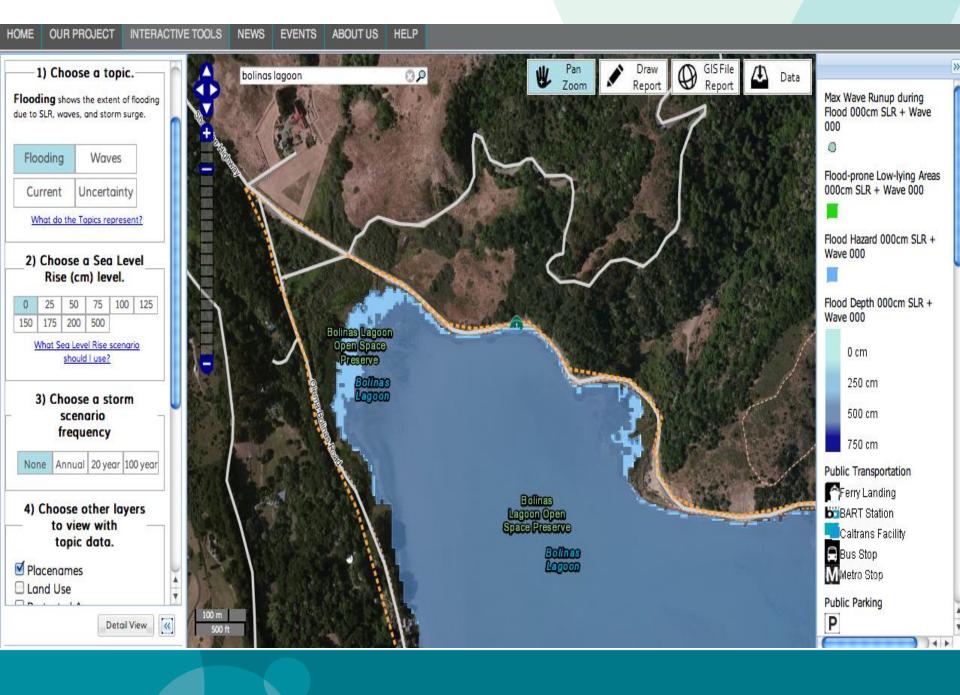
Take a few minutes and watch the Project Overview and Flood Map tutorials. These two short videos will introduce you to the project, and

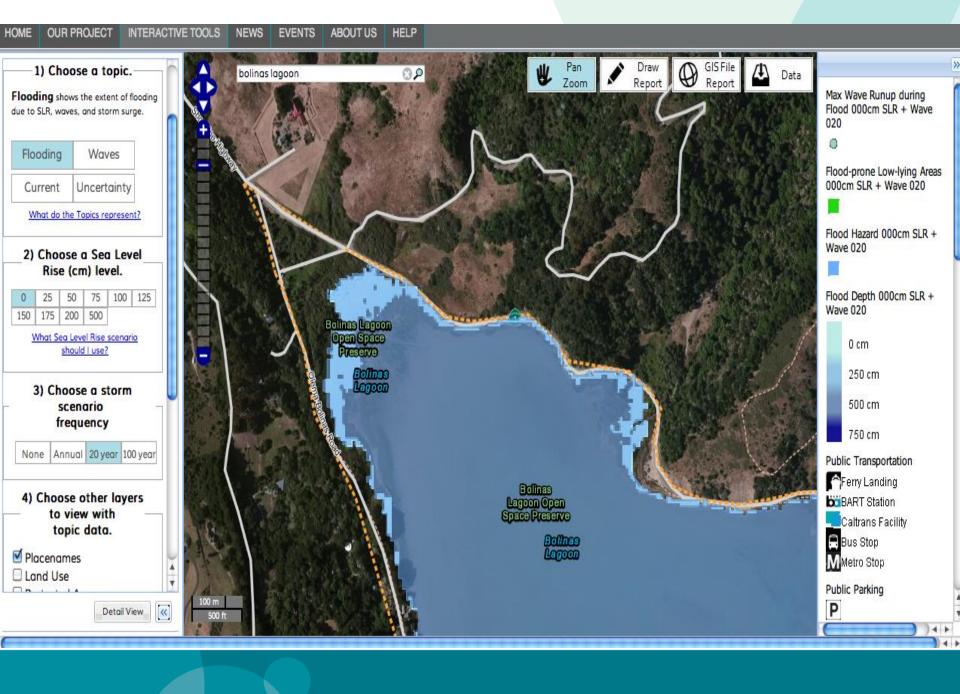
Frequently Asked Questions about OCOF

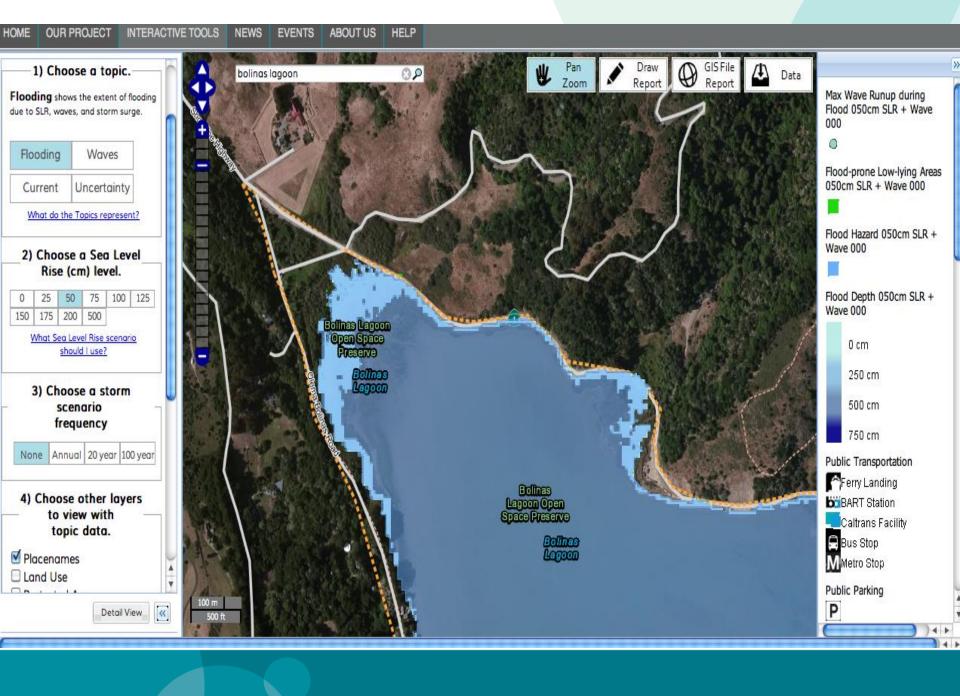
We have provided answers to frequently asked questions about the OCOF project including general information, geographic coverage, data used,

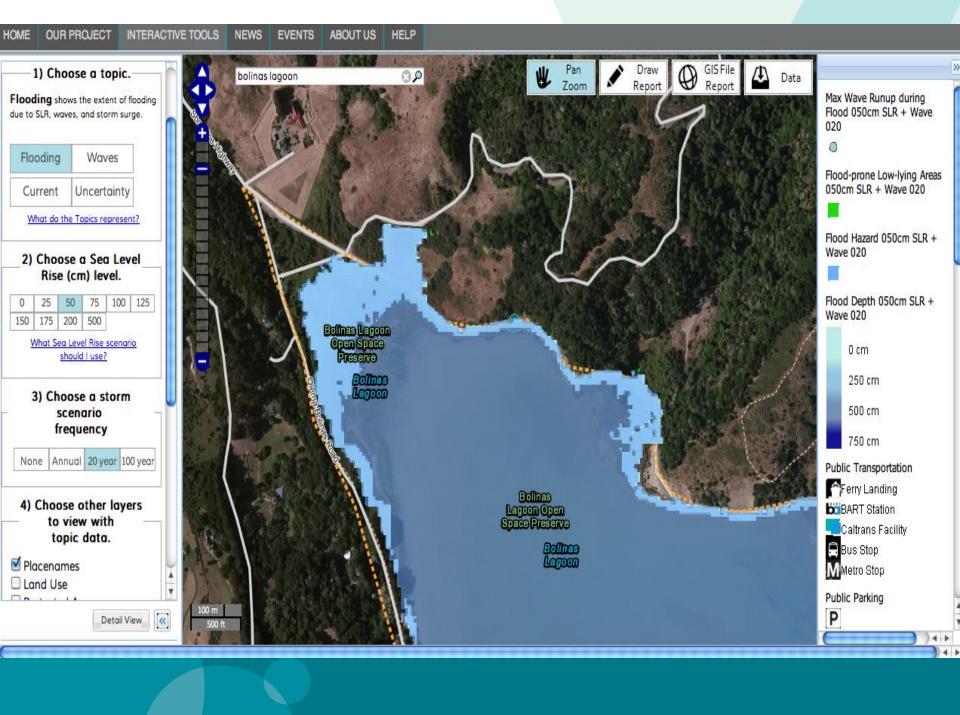


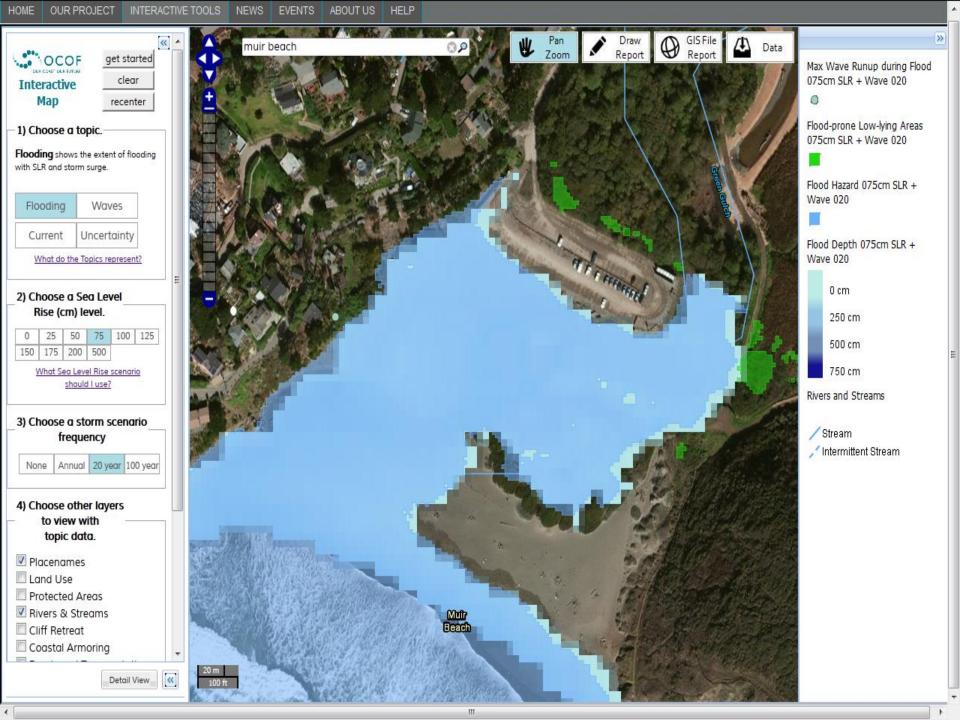


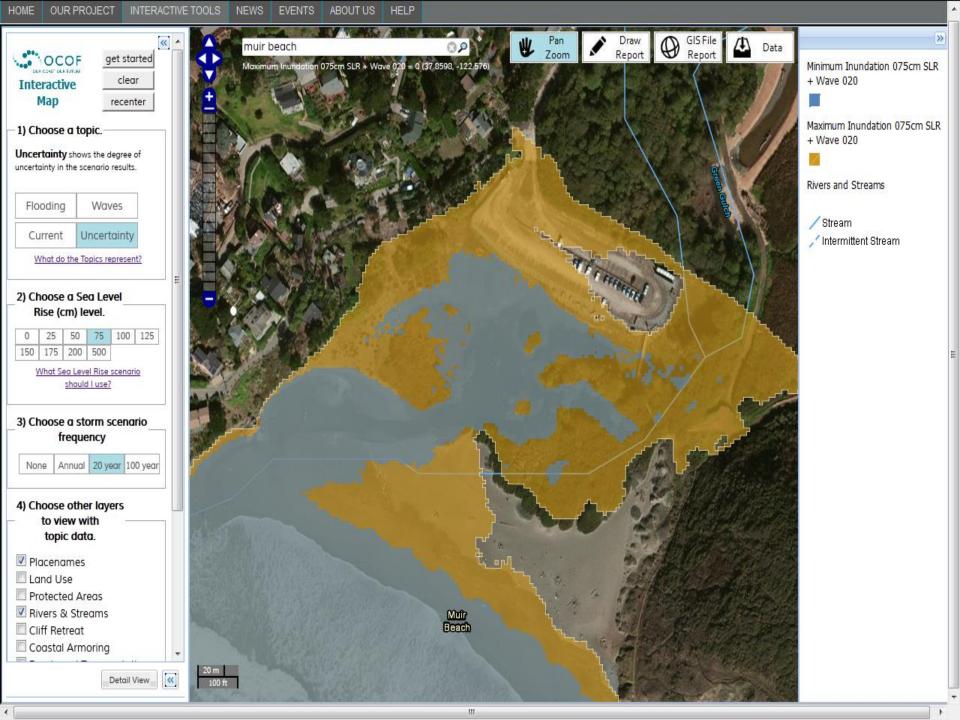








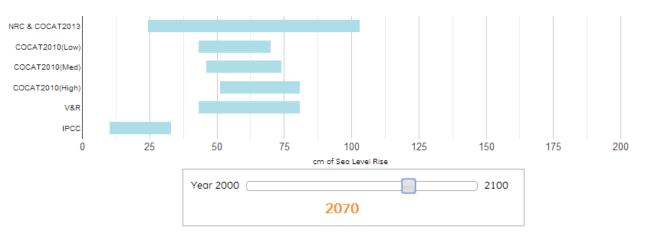




How much SLR by 2070?

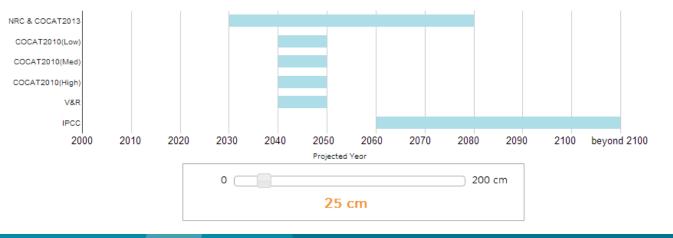
What projections are likely to occur in a given year?

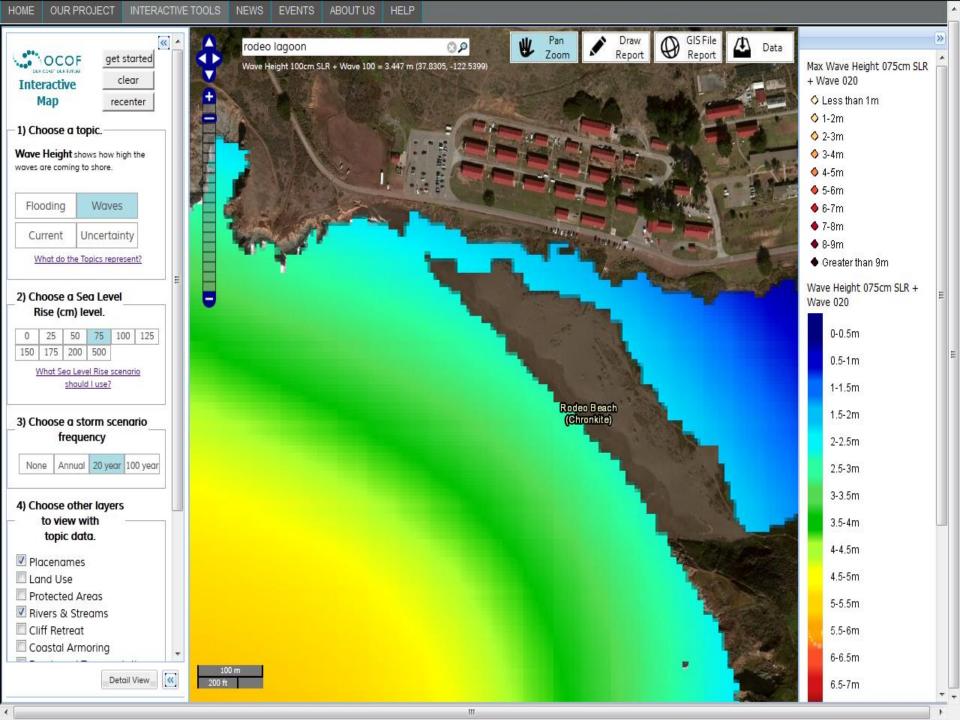
Move the slider control below the graph left and right to see how different climate experts projections of sea level rise compare to one another. Hold your mouse over each bar for details.

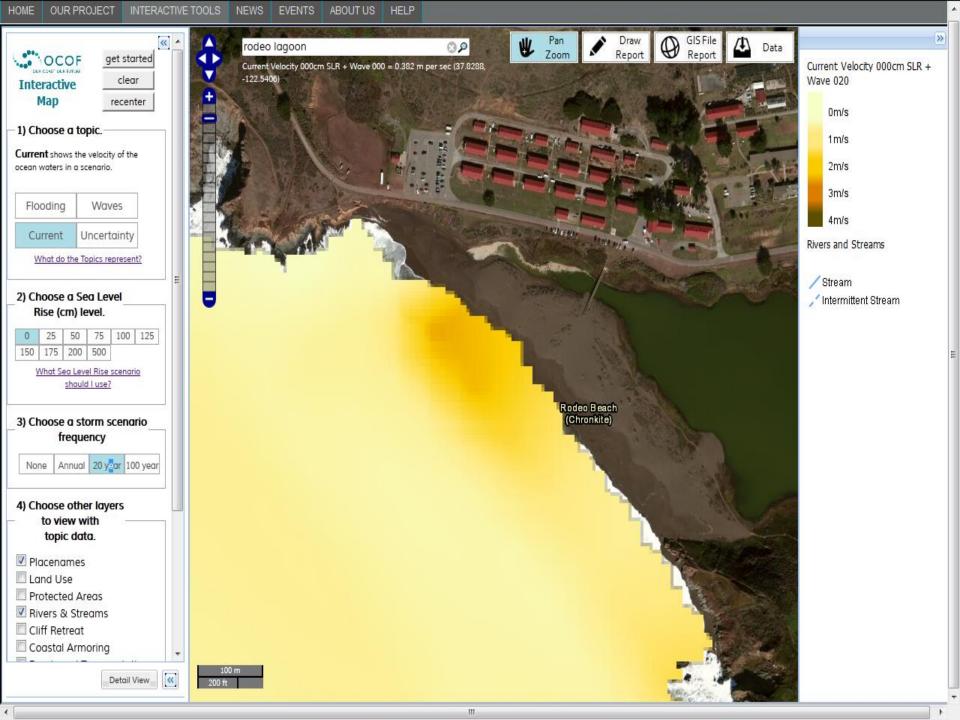


When is a projection likely to occur?

Move the slider control below the graph left and right to see how different climate experts projections of when sea level rise will occur compare to one another. Hold your mouse over each bar for detail







OCOF Sea Level Rise and Scenario Report

by Our Coast Our Future project www.prbo.org/ocof

Report created: Sep 18,2013 3:48 pm

This is the sea level rise and storm scenario report for the area you selected. This report was designed to provide information to help you identify vulnerabilities to sea level rise and storm surges.

Area and Elevation Information

57.61 ha

Area is the size of selected polygon, in square meters, acres and hectares, and Elevation is the average, minimum and maximum elevation from the Digital Elevation Model (DEM) within the polgyon.

Area: 576.111.45 m² 142.36 ac Elevation: Mean - 4.39 meters Minimum - 0.29 meters Maximum - 51.37 meters

Projected Percent Area Flooded for the Selected Area

Values indicate the percentage of the selected area flooded for the Storm and Sea Level Rise Scenario combination.

Storm Scenario	Sea Level Rise Scenario									
	,	none	50 cm	100 cm	150 cm	200 cm	500 cm			
	No Storm	4%	9%	15%	18%	21%	28%			
	Annual Storm	6%	14%	17%	20%	23%	28%			
	20 yr Storm	7%	15%	17%	21%	24%	28%			
	100 yr Storm	8%	16%	17%	19%	24%	28%			

25-50% flooded 50-75% flooded over 75% flooded

Projected Average Flood Depth for the Selected Area

Values indicate the average flood depth (in feet and centimeters) over the Mean Higher High Water (MHHW) within the selected area for each Storm and Sea Level Rise Scenario combination. Values include modeling uncertainty bracket of +/- 40 cm.

	Sea Level Rise Scenario									
		none	50 cm	100 cm	150 cm	200 cm	500 cm			
Storm Scenario	No Storm	0 - 60 cm 0 - 2 ft	15 - 95 cm 0.5 - 3.1 ft	45 - 125 cm 1.5 - 4.1 ft	85 - 165 cm 2.8 - 5.4 ft	115 - 195 cm 3.8 - 6.4 ft	360 - 440 cm 11.8 - 14.4 ft			
	Annual Storm	15 - 95 cm 0.5 - 3.1 ft	35 - 115 cm 1.1 - 3.8 ft	70 - 150 cm 2.3 - 4.9 ft	105 - 185 cm 3.4 - 6.1 ft	130 - 210 cm 4.3 - 6.9 ft	410 - 490 cm 13.5 - 16.1 ft			
	20 yr Storm	25 - 105 cm 0.8 - 3.4 ft	50 - 130 cm 1.6 - 4.3 ft	90 - 170 cm 3 - 5.6 ft	115 - 195 cm 3.8 - 6.4 ft	160 - 240 cm 5.2 - 7.9 ft	415 - 495 cm 13.6 - 16.2 ft			
	100 yr Storm	30 - 110 cm 1 - 3.6 ft	50 - 130 cm 1.6 - 4.3 ft	90 - 170 cm 3 - 5,6 ft	130 - 210 cm 4.3 - 6.9 ft	160 - 240 cm 5.2 - 7.9 ft	405 - 485 cm 13.3 - 15.9 ft			

average less than 1 ft 1 to 3 ft 3 to 5 ft over 5 ft



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Map of Area



