



Adapting to Rising Tides

East Contra Costa Shoreline Flood Explorer



New Interactive Map Helps Delta Governments and Communities Plan for Adaptation by Understanding Flood Risks from Rising Sea Level and Storms

The Adapting to Rising Tides program of the San Francisco Bay Conservation and Development Commission (ART BCDC), Delta Stewardship Council (DSC) and the San Francisco Estuary Institute (SFEI) are unveiling the East Contra Costa Shoreline Flood Explorer (eccexplorer.adaptingtorisingtides.org). This new website will allow government organizations and communities in East Contra Costa County to access interactive, online maps of local flood risks due to rising sea levels and storm events. The shoreline maps are designed to spur and support detailed and consistent local and regional sea level rise assessments and responses (known as adaptation) in the region. These maps highlight what East Contra Costa could look like without implementing local and regional adaptation plans to minimize flood risks. The site also will help inform and empower citizens to connect with ongoing efforts and community organizations working to minimize those impacts.

This website complements the information in the [Bay Shoreline Flood Explorer](#) (launched in 2018) and is supporting shoreline adaptation planning in the Delta. This website explains rising sea level and flooding issues and enables users to explore interactive flood maps and download data. These maps will help local governments better identify specific areas facing the greatest risk from rising seas and current 100-year storm events. The maps have been ground-truthed by local shoreline experts and contain detailed and up-to-date information about the shoreline. The East Contra Costa Flood Explorer is designed for users with varying levels of knowledge and expertise about flooding and sea level rise. This web tool will help Delta communities, local and regional governments, NGO's, and businesses to work together to drive strategic land use policies.

These maps are uniquely suited to raising awareness of flooding hazards and supporting planning because of three key features not found in other online tools:

- **Extensive Stakeholder Review:** The intensive stakeholder review process solicited on-the-ground expertise to make the maps highly accurate and to allow continued accuracy improvements;
- **Emphasis on Outcomes, not Time:** Uncertainty surrounding when and how quickly Delta water levels will rise makes it impossible to answer the question, "What will the Bay-Delta shoreline look like in 2100?" However, flooding can and will occur due to a variety of factors (e.g., rising sea level, storms, and tides) that can cause both permanent and temporary flooding. Therefore, the website enables users to map flood levels based on both predicted sea level rise and the 100-year storm event from the Sacramento-San Joaquin Delta; and,
- **Shoreline Overtopping Analysis:** The Explorer contains a unique analysis that identifies low points where water may overtop the shoreline. This overtopping can lead to inland flooding. This information enables users to identify those shoreline locations and pursue additional investigations, analyses, and strategies to minimize flood risks. This will encourage limited resources to be directed to the locations posing the largest risks to shoreline communities.

Explore your shoreline at eccexplorer.adaptingtorisingtides.org

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