



FEMA



California Coastal Analysis and Mapping Project Open Pacific Coast Study

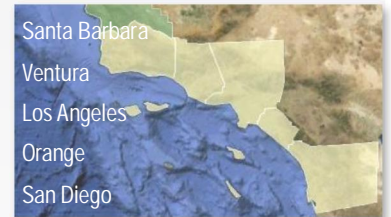


Open Pacific Coast Counties

PHASE 1



PHASE 2



Coastal Study and Mapping Efforts Overview

The Federal Emergency Management Agency (FEMA) in Region IX is in the process of performing a detailed coastal engineering study (modeling and analyses) of the Pacific coast of California. Results from this study will be used to remap the coastal flood risk and wave hazards for the California coast in two phases: northern California from Point Conception to the California-Oregon border, followed by southern California from Point Conception to the California-Mexico border. To date, FEMA has completed a review and analysis of available data for use in these studies, excluding the San Francisco Bay area. Data gaps were determined during this process and filled, as necessary. The coastal studies for northern California are now underway, and will be conducted in accordance with FEMA’s February 2005 Pacific guidelines for new coastal studies which are included as part of the *Guidelines and Specifications for Flood Hazard Mapping Partners, Appendix D*. As needed in future years, FEMA will continue to seek new data and updated modeling approaches that are best suited for Pacific Ocean coastal studies. To learn more about the FEMA Open Pacific Coast Study, please visit www.r9coastal.org.

For more information visit:
www.r9coastal.org

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California Coastal Analysis
and Mapping Project



RiskMAP

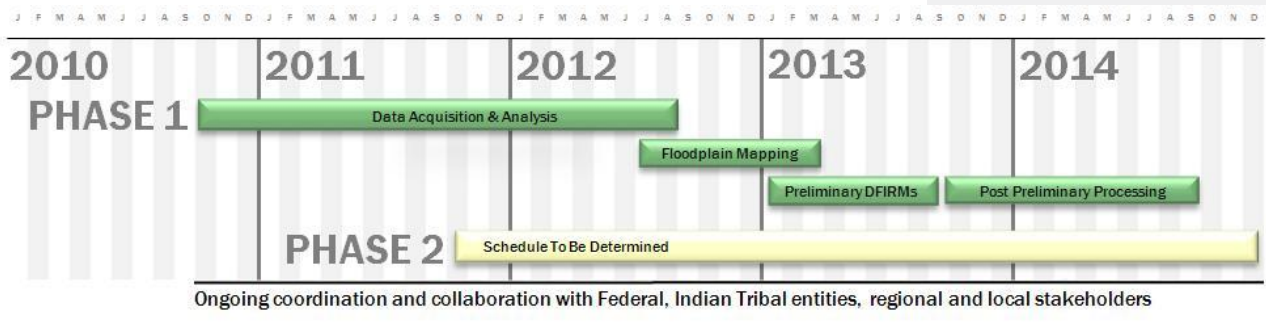
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Coastal Mapping Timeline



General Information on Coastal Mapping

FEMA’s coastal mapping efforts benefit from new technologies and coastal data, including the collection of detailed topographic data using Light Detection and Ranging (LiDAR). This new high resolution digital elevation data will update topographic maps throughout the coastal region. Two-dimensional wave models will be used to transform offshore waves to nearshore coastal waters. The results from these modeling efforts will be used to provide boundary conditions for detailed onshore coastal flood hazard analyses. Key coastal processes such as dune and bluff erosion, wave setup, wave runup and overtopping, and overland wave propagation will be accounted for in determining new Base Flood Elevations (BFEs).

Following FEMA’s due process and statutory requirements, the new BFEs and hazard zones will be presented in revised Flood Insurance Study reports and on the Digital Flood Insurance Rate Maps. FEMA is coordinating with federal, state, tribal, regional and local stakeholders and will continue to coordinate with these stakeholders as the study and mapping efforts progress.

Risk Mapping, Assessment and Planning (Risk MAP)

FEMA is initiating flood studies and mapping projects in coastal areas as part of Risk MAP, a new FEMA program that will provide communities with more accurate flood maps, risk assessment tools, and outreach support that they can use to enhance their mitigation plans and better protect their citizens. These efforts will address gaps in required engineering and mapping for high flood risk areas impacted by coastal flooding, levee systems, and other flood hazards (e.g., lakes, rivers, and ponds). Cumulatively, the coastal flood mapping projects in Region IX are being referred to as the California Coastal Analysis and Mapping Project (CCAMP), of which this Open Pacific Coast Study is a component.

More Information

Visit www.r9coastal.org to learn more about the Open Pacific Coast Study and to stay informed of the progress of this project. FEMA welcomes your feedback, and questions or comments can be submitted on the “Contact Us” tab on the webpage.

California Coastal Analysis and Mapping Project



RiskMAP

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