

Central Valley Floodplain Evaluation and Delineation Program

FloodSAFE VISION

A sustainable integrated flood management and emergency response system throughout California that improves public safety, protects and enhances environmental and cultural resources, and supports economic growth by reducing the probability of destructive floods, promoting beneficial floodplain processes, and lowering the damages caused by flooding.



The Department of Water Resources (DWR) is leading a multifaceted initiative called FloodSAFE California to improve integrated flood management throughout California, with an extra emphasis on better managing flood risk related to the State-federal flood protection system in the Central Valley. Much of the funding for the FloodSAFE Initiative is provided by Propositions 1E and 84 passed by voters in November 2006. The Central Valley Floodplain Evaluation and Delineation (CVFED) Program is one of several programs within the FloodSAFE Initiative.

THE CENTRAL VALLEY FLOODPLAIN EVALUATION AND DELINEATION PROGRAM

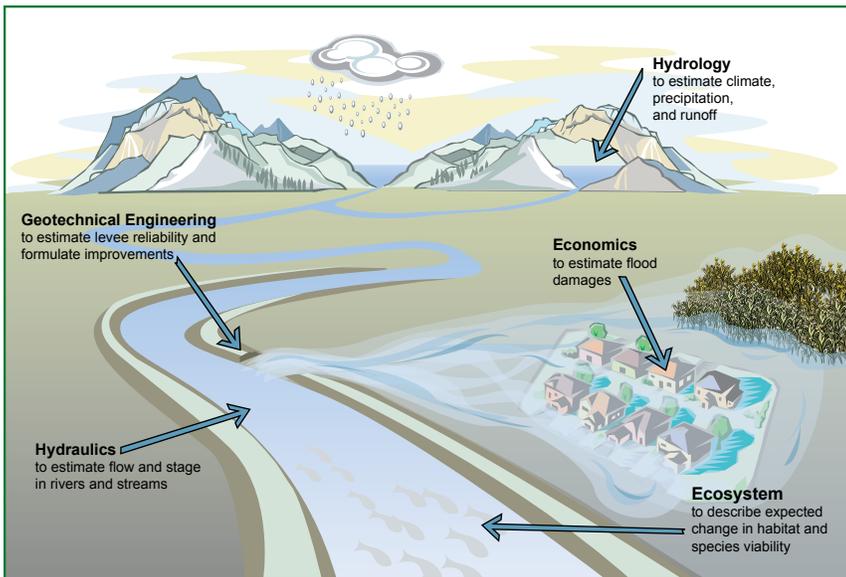
The CVFED Program has multiple goals, including improving the quality and accuracy of flood hazard data and mapping available to local communities. The principal objectives of the CVFED Program are to:

- Support risk identification and notification
- Provide hydrology and hydraulics support for preparation of the Central Valley Flood Protection Plan, and feasibility studies associated with the existing State-federal protection system in the Central Valley
- Prepare floodplain delineation maps to support informed land use planning
- Provide information to support project design

HOW DOES THE CVFED PROGRAM SUPPORT CENTRAL VALLEY COMMUNITIES?

- The CVFED Program will provide updated technical information about flood risks that can help communities comply with California code requirements
- The CVFED Program will develop detailed aerial photographs and topographical data for many Central Valley communities that will be available for use by local governments
- Updated hydrologic and hydraulic models acceptable to DWR, the Federal Emergency Management Agency, and the U.S. Army Corps of Engineers will be available for use by local governments
- More detailed and current flood risk information will be available to inform local land use plans and emergency preparedness plans

¹ Senate Bills 5 and 17; Assembly Bills 5, 70, 156, and 162; and Proposition 1E and 84 added Sections to the Government Code, Health and Safety Code, Public Resources Code, and Water Code.



CVFED DEVELOPS NEW PHYSICAL AND TECHNICAL INFORMATION

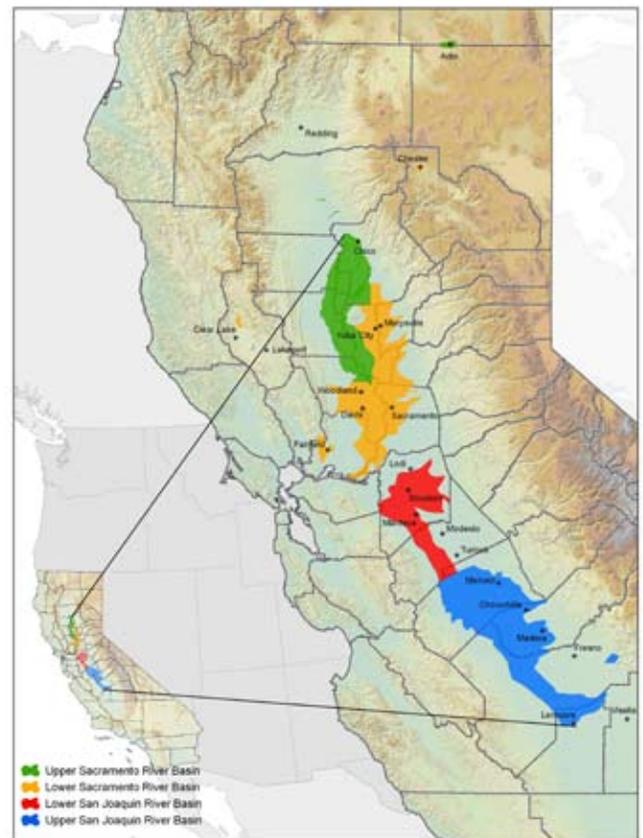
The CVFED program is developing new physical and technical information to help better understand the risk of flooding in the Central Valley. This information will support evaluation and design of potential actions and projects to help manage the risk.

The figure illustrates some of the key technical factors that must be considered in this process.

CVFED PROGRAM DELIVERABLES

To assist DWR with fulfilling new California code requirements, the CVFED Program will develop new physical data, analytical tools, and other work products, including:

- Detailed aerial photographs and topographic data for a major portion of the Central Valley
- Detailed topographic data for the Central Valley levees located in the study area shown on the map
- Bathymetric surveys and surveys of bridges and structures in the Central Valley
- New hydraulic analyses for the 10-year, 50-year, 100-year, 200-year, and 500-year flood events
- New maps delineating the 100-year, 200-year and 500-year floodplains for areas receiving protection from the State-federal flood protection system in the Central Valley
- New maps delineating Levee Flood Protection Zones (areas that receive protection from the State-federal flood protection system in the Central Valley)



GET ADDITIONAL INFORMATION ON THE CVFED PROGRAM

For additional information, please visit www.water.ca.gov/floodsafe or email floodsafe@water.ca.gov