

# 2013 FloodSAFE Annual Report

**Central Valley Flood Protection Board**

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Presented by:

Michael Mierzwa, P.E.

[Michael.Mierzwa@water.ca.gov](mailto:Michael.Mierzwa@water.ca.gov)

Chief of the FloodSAFE Program Management Office

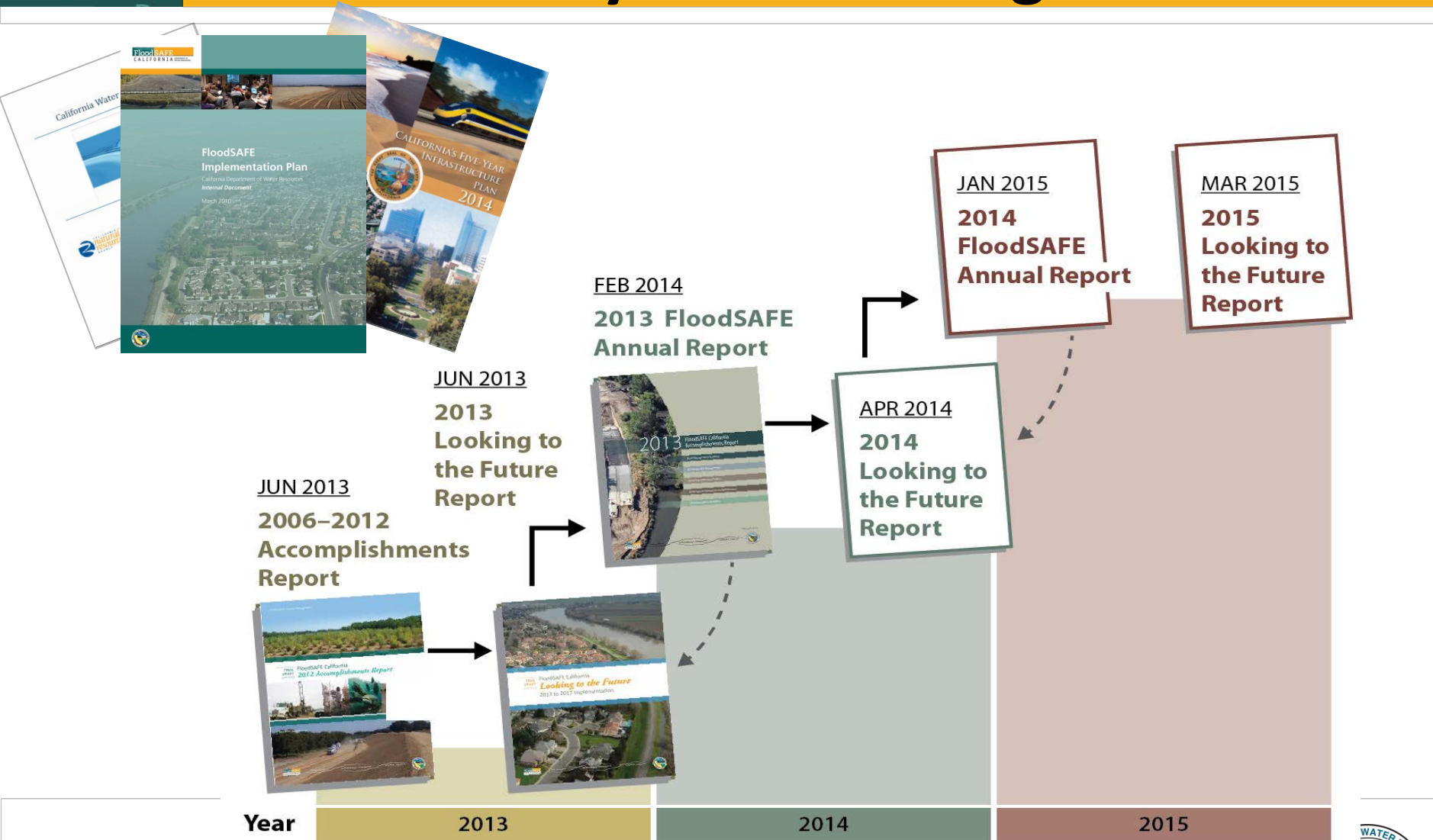
California Department of Water Resources

# Presentation Outline

- Accountability and Planning
- Report At A Glance
- DWR and CVFPB Joint Accomplishments
- Mega Programs Accomplishments
- FloodSAFE Financing
- Year in Review
- Report Rollout



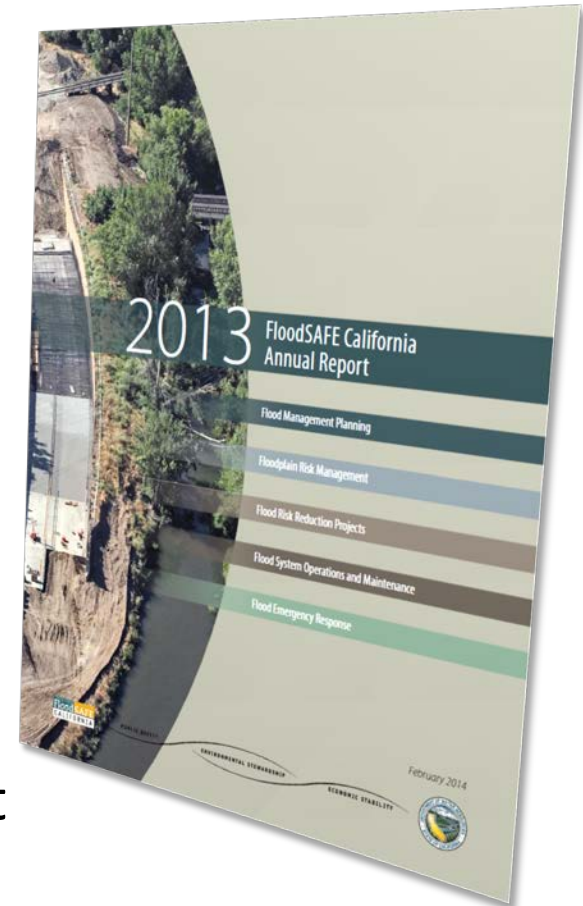
# Accountability and Planning



# Report At A Glance

## Calendar Year 2013:

- **Audience:** Legislature and Layperson
- Highlighted **55** accomplishments
- **5** Mega Programs
- **Invested \$460 million** in actions that:
  - Provide multiple benefits
  - Are geographically diverse
  - Are at various scales of investment



# DWR and CVFPB: Joint Accomplishments

- Folsom Joint Federal Project
- Planning, design, and construction of flood management projects sponsored by the Central Valley Flood Protection Board
- Developing six regional long-term flood management plans
- Reviewed CVFPB encroachment permits to identify 7,500 pipes penetrating State Plan of Flood Control levees
- DWR developed site plans and utility site assessments for transfer facility site in Rio Vista, owned by the CVFPB



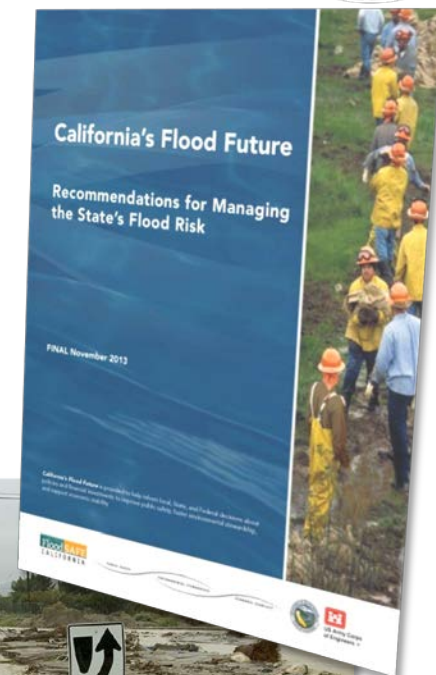


# Flood Management Planning



## Statewide Flood Management Planning

- Released final *California's Flood Future*
- Created mapbooks to describe exposure to flood risk for every county.
- Catalogued history of flooding for reference by local and regional planning agencies and land use officials.

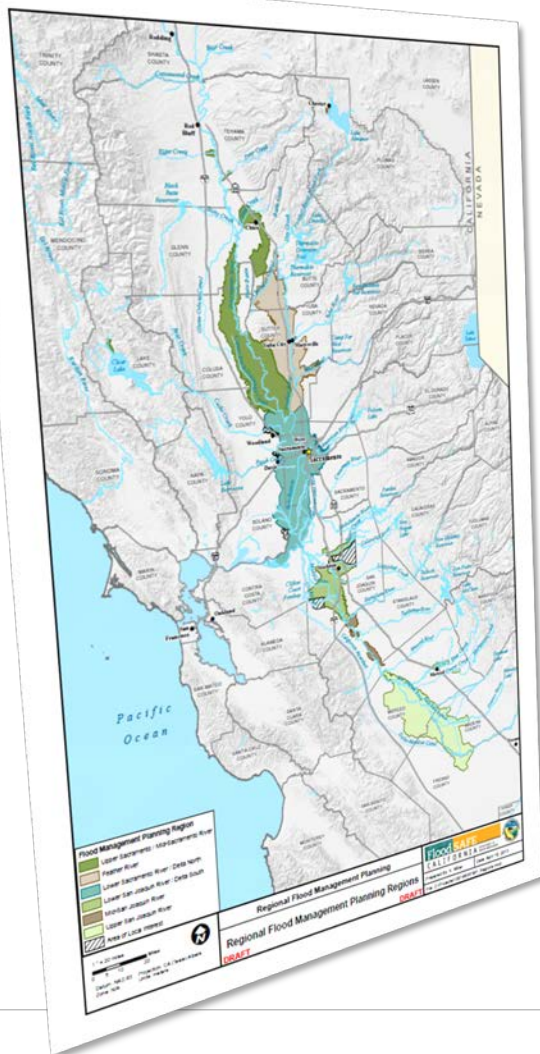


# Flood Management Planning



## Central Valley Flood Management Planning

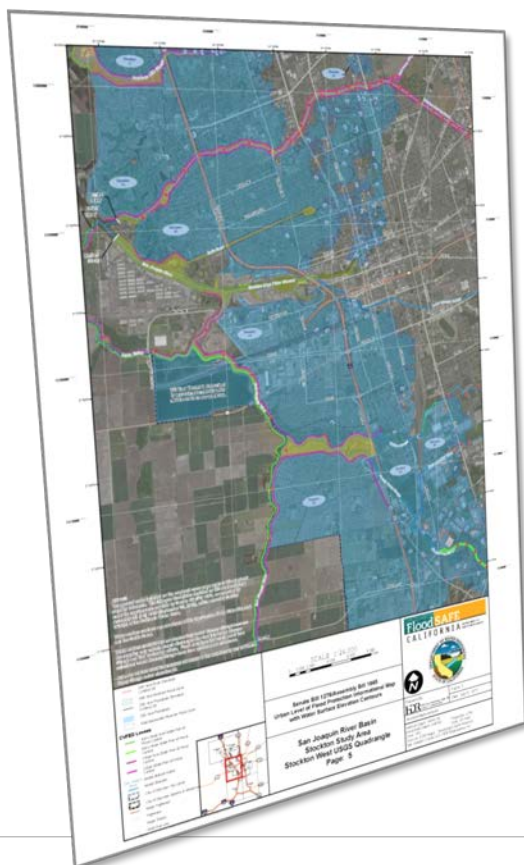
- Central Valley Flood Protection Board Coordinating Committee
- Completed Milestone 1 of the Basin-wide Feasibility Studies/ Oct. public workshop
- Provided technical support to regional agencies



# Floodplain Risk Management



## 200-year Informational Maps



## Flood Risk Notification

**Consider these facts:**

- Levees may reduce, but do not eliminate, the risk of flooding.
- Even if a levee meets the FEMA standard of 100-year flood protection, there is at least a 1-in-4 chance of a larger flood occurring within any 30-year period (the life of a typical home mortgage).
- Flood damage is not covered by most standard home, renter, and business owners' insurance policies.
- The State recommends that you obtain flood insurance for your property. Contact your insurance agent or call the National Flood Insurance Program at 1-888-435-6637, or visit: [www.water.ca.gov/myfloordrisk](http://www.water.ca.gov/myfloordrisk)

**Remember this simple 3-step plan:**

**PREPARE** Prepare an emergency kit that includes: flashlight, radio, batteries, candles, matches, blankets, water, food, first-aid kit, and a list and supply of all medications, etc.

**PREVENT** Keep important documents and valuable possessions on an upper level of the structure, or as high as possible.

**PROTECT** Know a lot of items to take with you and have a plan for your pets. Know how to safely shut off your utilities. Listen to authorities for emergency instructions. Establish a family meeting place.

**What's your RISK?**

**21** The number of people who died in the 1992 and 1997 floods.

**70+** The number of people who died in the 1992 and 1997 floods.

**27** The number of people who died in the 1992 and 1997 floods.

**19** The number of people who died in the 1992 and 1997 floods.

**61** The number of people who died in the 1992 and 1997 floods.

Get a list of your local emergency contacts and more local, state, and federal information at: [www.water.ca.gov/myfloordrisk](http://www.water.ca.gov/myfloordrisk)

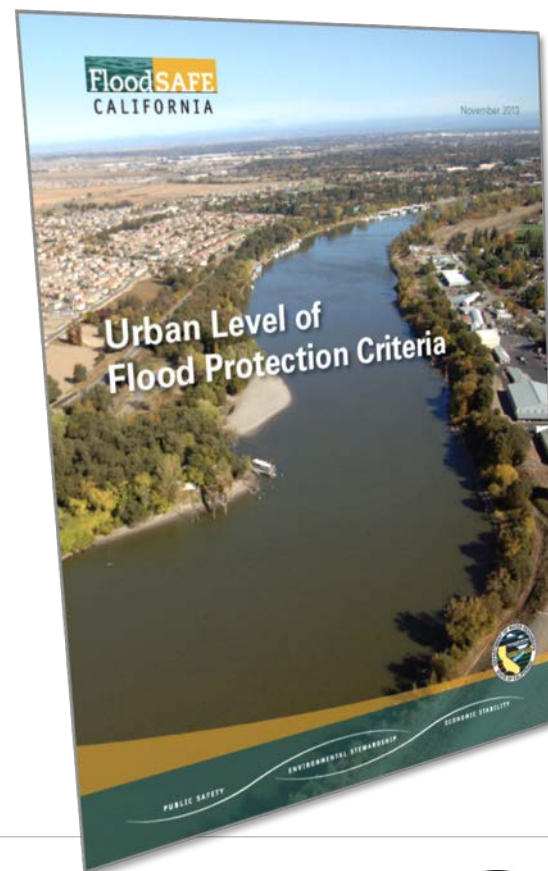
[myfloordrisk.water.ca.gov](http://myfloordrisk.water.ca.gov) 1-877-7MY-RISK (1-877-769-7475) TTY: 711 (contact 1-877-769-7475)

Please share this important notice with your tenants. Have it translated if necessary.

**EXTRA WITH CACON CONTAINS INFORMATION IMPORTANT FOR THE WATER RESOURCES AGENCY. This program is a CACON 2000-2010 project. [www.water.ca.gov/myfloordrisk](http://www.water.ca.gov/myfloordrisk)**

**FloodSAFE CALIFORNIA**

## Urban Level of Flood Protection Criteria





# Flood Risk Reduction Projects



## Folsom Joint Federal Project (JFP)

- Control structure construction approximately 70% complete.
- Temporary dam embankment construction for the approach channel is 50% complete.

## American River Common Features

- Completed work on 2 of 8 remaining sites of American River Common Features project in 2013.



Joint Federal Project

# Flood Risk Reduction Projects



## Delta Levees System Integrity

- Completed 19 projects in 2013, with a State cost-share of approximately \$47 million.

## Urban Flood Risk Reduction

- Thirteen miles of SPFC urban levees were improved in 2013, providing increased flood protection to:
  - 60,000 residents near Yuba City
  - 80,000 residents in Sacramento.



**Guadalupe River Project,  
Santa Clara County**

# Flood Risk Reduction Projects



## Flood Corridor

- River Ranch Conservation Easement Acquisition Project: Acquired a 2,962-acre agricultural easement.
- Hamilton City Project: Acquired three properties for future construction of a 6.8-mile setback levee and reconnection of 1,450 acres of floodplain.

## Local Levee Assistance

- Executed agreements with 11 agencies to fund 30 Local Levee Assistance projects.



Repair at San Juan Creek, Orange County



Santa Clara River Project, Ventura County



# Flood Risk Reduction Projects



## Yuba Feather Flood Protection

- Completed preliminary designs for an additional outlet on the New Bullards Bar Dam.

## Fish Passage Improvement

- Improved anadromous salmonid passage and flood conveyance in the Calaveras River system by replacing the Caprini Low-flow Crossing, in Mormon Slough, upstream of the City of Stockton.

**Caprini Low-flow Crossing**



**BEFORE construction**



**AFTER construction**

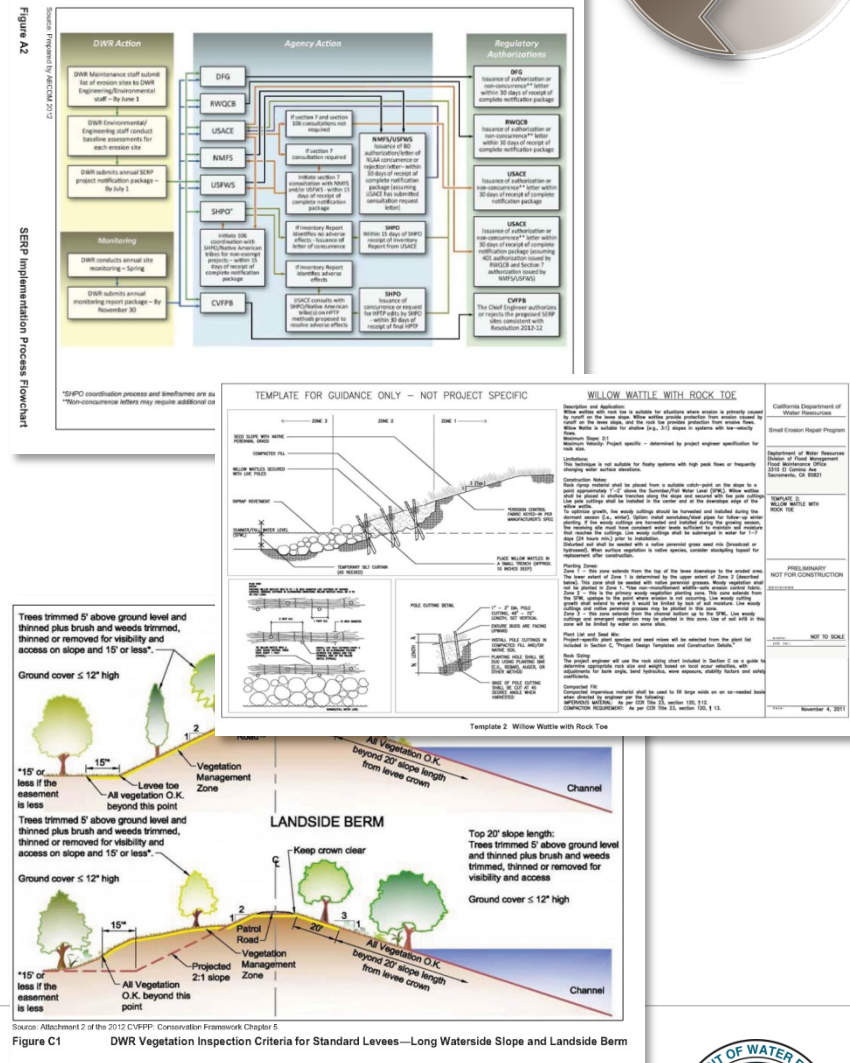


- Removed and replaced Weir No. 2 to improve water management and fish passage on the Sutter Bypass.

- Streamlined permitting process

- **Without SERP:** 1-2 erosion sites repaired annually
- **With SERP:** up to 15 erosion sites repaired annually

- Assessed more than 4,500 SPFC levee crossings

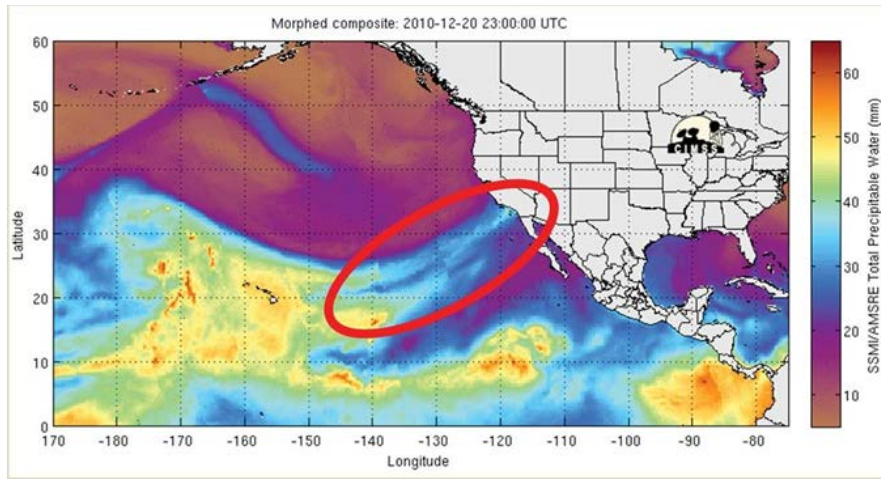


# Flood Emergency Response



## Flood Forecast and Warning: Improving Observations

- Installed an atmospheric river observatory at Bodega Bay Marine Laboratory.
- Developed a web-based dashboard with input from the Yuba Feather Forecast-Coordinated Operations program.
- Developed unique hydraulic models for 10 urban areas in the Sacramento-San Joaquin Valley protected by SPFC levees.



## Local Flood Emergency Response Grants

- Awarded \$5 million for 14 projects across the state.

Atmospheric river  
(Graphic: NOAA)

# Flood Emergency Response



## Flood Emergency Response Preparations

- Conducted the Twitchell Island functional exercise and Cal Expo flood fight training class

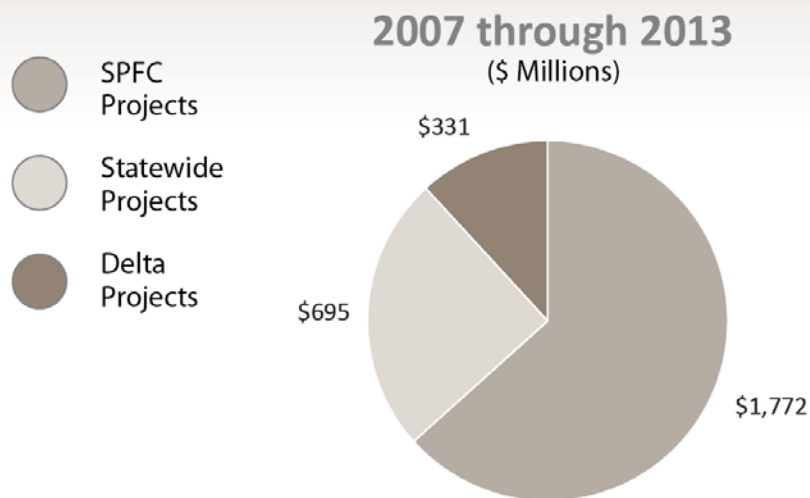
## Delta Flood Emergency Preparedness and Response Project

- Conducted the Delta Emergency Response Project
- DWR acquired the Stockton West Weber Avenue site

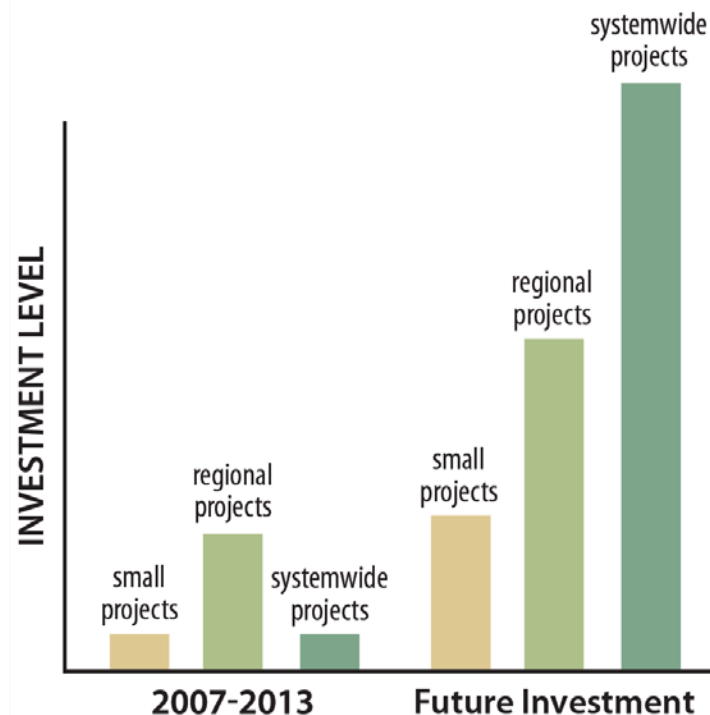


# FloodSAFE Financing

## FloodSAFE Investment BY LOCATION

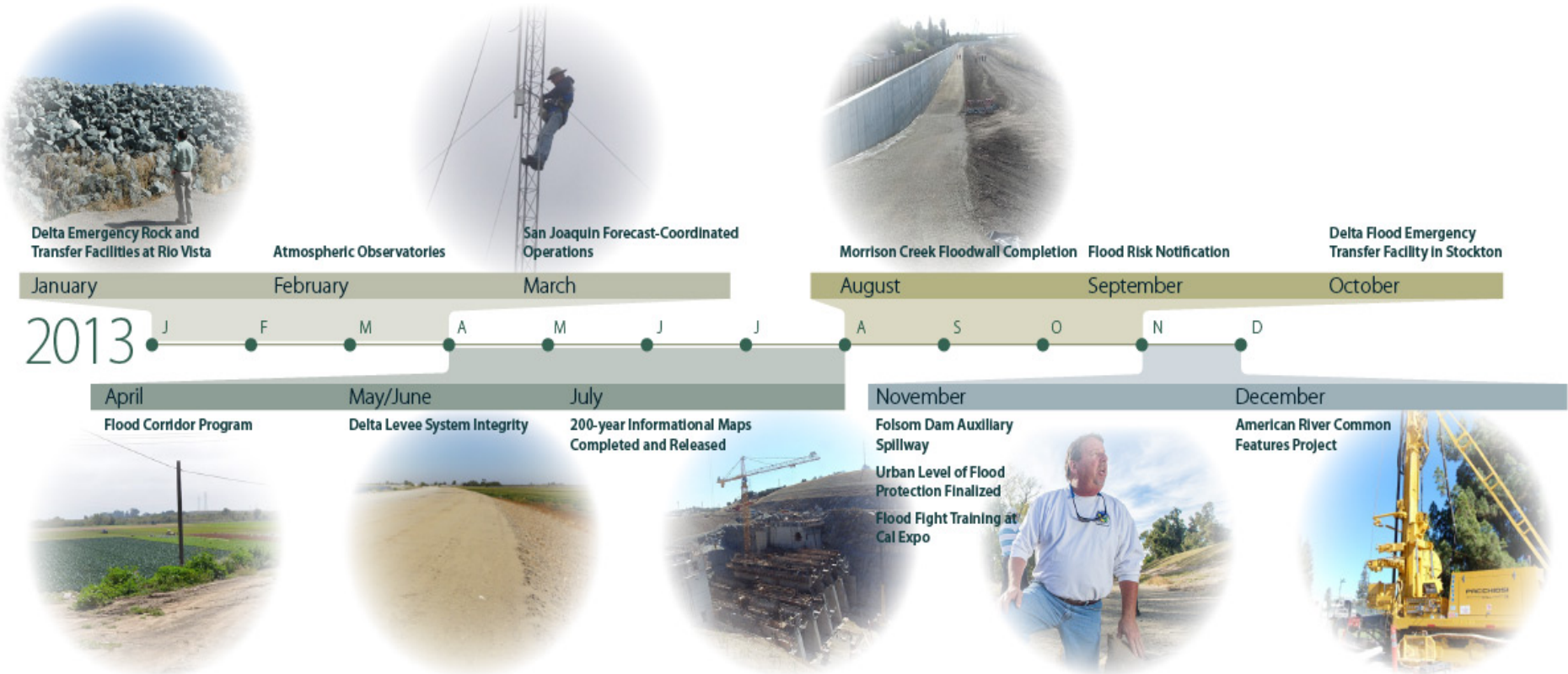


## State Systemwide Investment Approach STRATEGY





# Year in Review



# Report Rollout

## Briefings to:

- Central Valley Flood Protection Board
- California Water Commission
- Delta Stewardship Council
- U.S. Army Corps of Engineers/  
Federal Emergency Management  
Agency



## Webinars