CALIFORNIA DEPARTMENT OF WATER RESOURCES

Monthly Report

Central Valley Flood Protection Board Meeting

Jeremy Arrich, Chief of Division of Flood Management

Statewide Coordination Calls

Share Resources & Collaborate

Oct 24
CFPW Press Conference

Nov 1
Post-CFPW Coordination Call

Want to get involved for CFPW 2020?

CFPW@water.ca.gov

floodprepareca.com

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Additional October Outreach Events

15th West Sacramento Elementary School Media Event

19th City of Sacramento Highwater Jamboree

25th Board Meeting Flood Model Demo in Lobby

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California Cooperative Snow Surveys Program

65th Annual Meeting

November 6-7
Paso Robles, CA

NOTE: This meeting is an invite-only meeting.

Watershed University Webinars

H2F: Flood Safety Partnership Talk	Virtual Preseason Meeting	More Webinars to Come
Oct 22	Nov 19	2020

Watershed.University@water.ca.gov

youtube.com/channel/UCAQgkOENCh4K5nZI-6nfShw

H2F: Flood Safety Partnership

HEADWATERS TO FLOODPLAINS

Examples of Typical Flood Hazard Types Varied Across the State

- Most of California's hydrologic regions are exposed to multiple types of flood hazards
- Mitigation measures are often designed to address specific flood hazard types
- Lessons learned in one part of the State can benefit communities in other parts of the State

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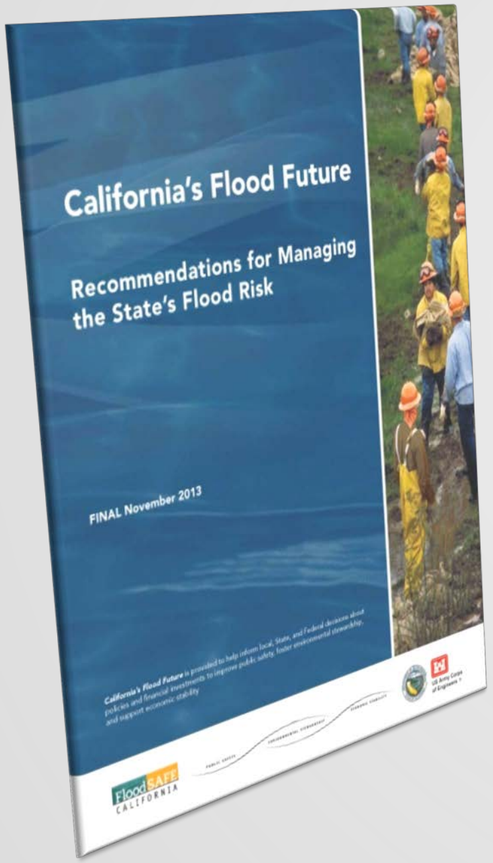
Previous Effort (2010 – 2013) Focused on Assessing Statewide Flood Risk



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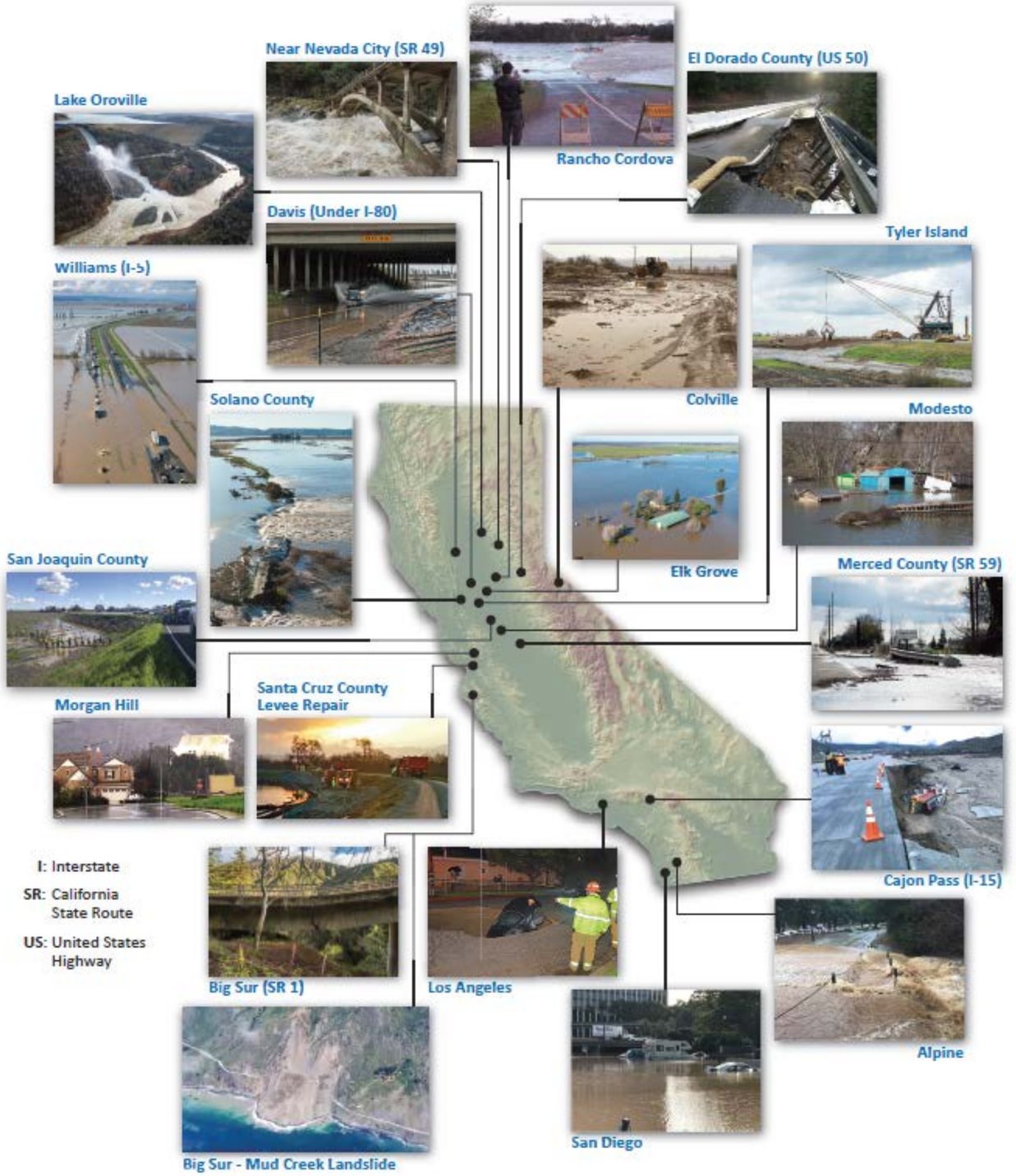
Snapshot of Statewide Flood Impacts in 2017

- Over 250,000 people evacuated due to 5 separate flood events
- Some areas (homes) remained inundated for 2-5 months
- +$1B in direct public infrastructure damage statewide
- ~$800M in Central Valley levee damages
- +$800M in spillway repairs
- Impacts extended to state water supply and national interstate system
- State Flood Operations Center activated over 144 consecutive days (new record)

Photos: Courtesy of Andrew Kuhn/Merced Sun-Star, Associated Press, Caltrans, Kodiak Greenwood, Kristin Adams-Bimson, Len Ramierz/KPIX5, Los Angeles Fire Dept., & National Weather Service



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The Flood Risk Reduction Stairstep

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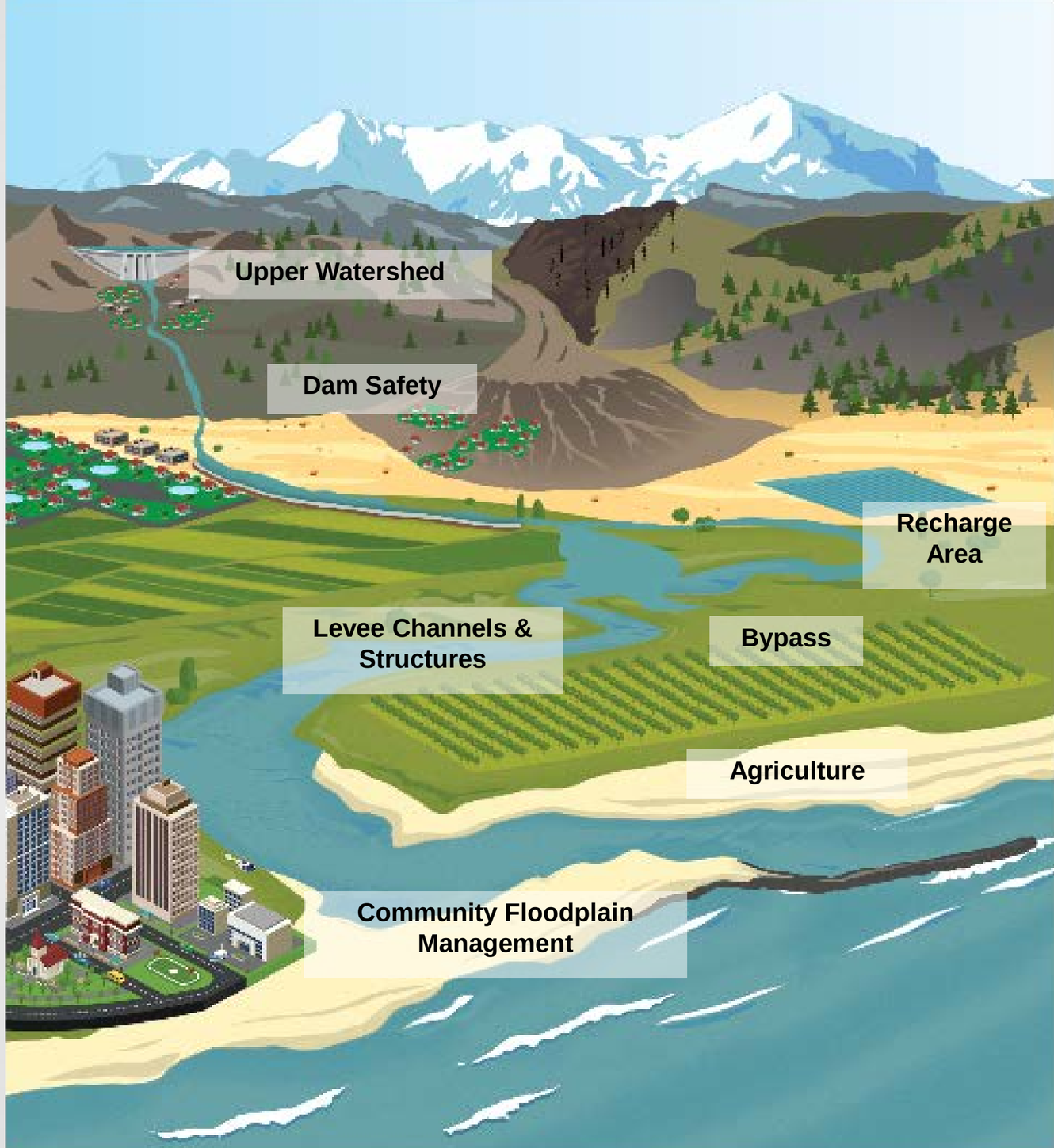
Flood Management in a Watershed

Challenges and opportunities exist when moving beyond protecting a single asset and considering an entire watershed …

Thus giving rise to a headwaters to floodplains approach to reducing flood exposure and consequences



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Headwaters to Floodplains (H2F): Flood Safety Partnership

- ✓ Collaborative partnership among public agencies
- ✓ Reduce California's exposure to flood risk and reduce the consequences of flooding

H2F Cornerstones

Engagement

Technical Assistance

Funding Opportunities

Flood Risk Reduction Stairstep & H2F

★ *Activities benefiting from informal partnerships through a headwaters to floodplains (watershed) approach*

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Core Principles of the H2F Partnership

What H2F is Not Replacing	Value of Participation
Direct engagement w/ public	Venue for frequent, informal coordination
Disagreements between agencies	A “safe” place to have conceptual discussions & learn from successes and failures
Existing policies or administrative procedures	An opportunity to explore new ways to implement existing policies and discuss possible policy changes
Funding decision processes	Informing funding decisions & promoting shared interest in funding assistance programs
Agency roles and responsibilities (regulators, implementers, operators, & maintainers)	Facilitating capacity growth for other participating agencies through ***shared innovations***, ***shared experiences***, and ***collaboration***
Review processes & internal policies of participating agencies	Increased understanding of member agency internal processes
Chain of command & authorities	Increased alignment of authorities

Technical Assistance

"Sharing Innovations"

- Create/share technical tools to improve flood risk awareness
- Make technical tools readily assessible to stakeholders
- Enhance local agency staff capacity, capabilities
- Expand weather monitoring, gauging, notifications

Example Projects:

- Gages
- Models
- Projects
- Data
- Forecasts
- Exercise Facilitation
- Exposure Assessment
- Mapping

Funding Opportunities

"Sharing Experiences"

- Maintain & update inventory of flood mitigation projects
  - Review of HMPs
  - Coordination with IRMPs and SGMPs
- Report on statewide investment need & implementation of mitigation measures
- Promoting cost-effective floodplain management mitigation measures

Example Projects:

- Develop Financial Assistance Clearing House
- Create Guides Illustrating Successful Grant Applicants
- Updating and review of exposure information (including mapping) to support loss avoidance studies

Engagement

“Collaboration”

- Build or improve collaboration within and between public agencies
- Facilitate consistent messaging about flood risk and emergency preparedness
- Highlight success stories (projects, research, and recovery efforts)
- Strengthen collaboration between dam owners and downstream communities

Example Projects:

- Webpage Development
- Partner Meetings
- Email Newsletters
- Presentations
- Information Materials

Next Steps

- Data and information gathering
- Needs assessments
- Build resource portal
- Design Technical Assistance offerings
- Identify funding opportunities

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For More Information on H2F

Headwaters to Floodplains Email List

H2F@water.ca.gov

Questions

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