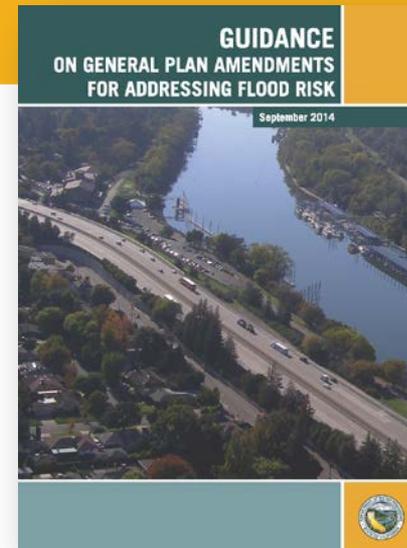


Floodplain Management Technical Assistance - Guidance on General Plan Amendments for Addressing Flood Risk

OPR Local government Roundtable Briefing

November 17, 2014

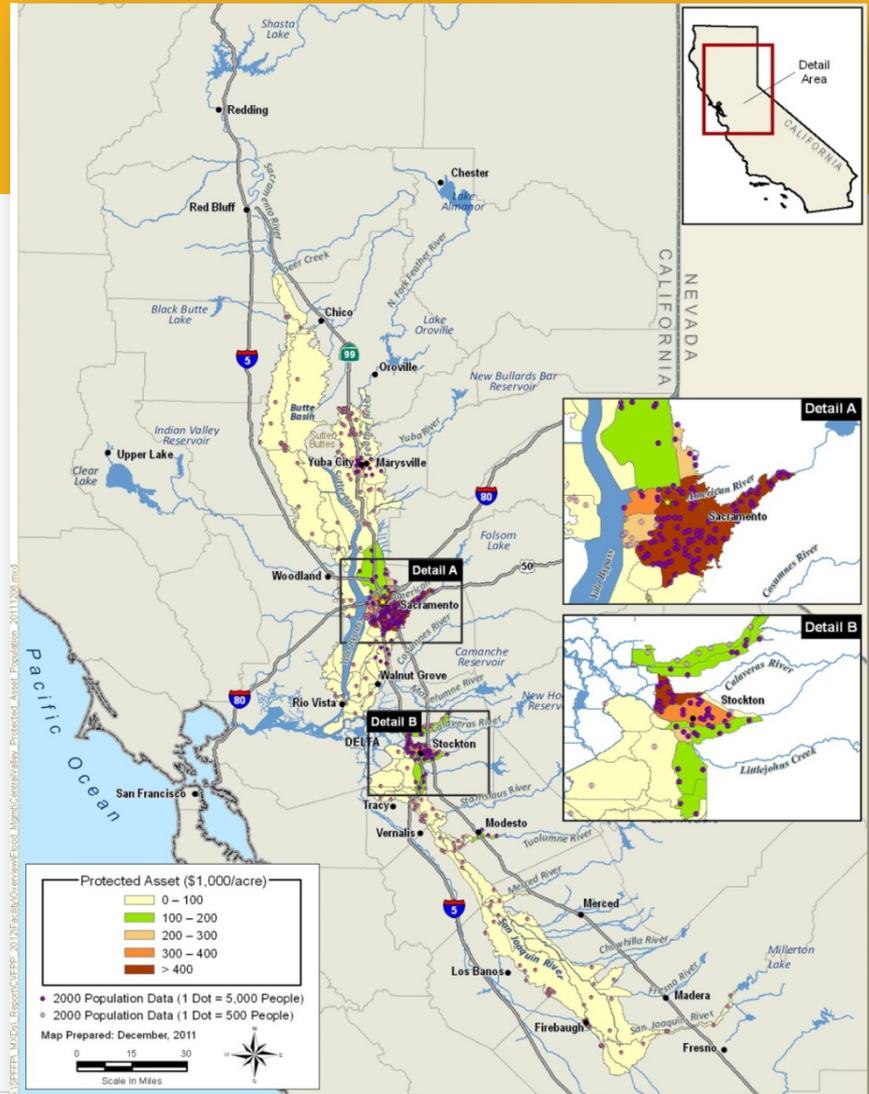


Discussion Points

- Overview of DWR's Floodplain Management Technical Assistance related to 2007 Flood Legislation Package
- Guidance on General Plan Amendments for Addressing Flood Risk – Its Purpose and Intended Use
- Q&A

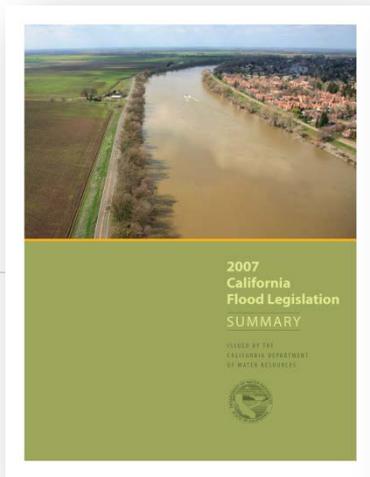
Living with Risks

- 44,000 sq mi watershed
- > 1,400 miles of levees
- > rim reservoirs with flood management responsibilities
- 3 billion loss in last 3 major floods
- Population of 1M+ in floodplain
- Potential Flood Depth >20 feet
- A system with mixed roles and responsibilities -- Mostly but discontinuous Federal-state system with existing bypass systems and many local facilities

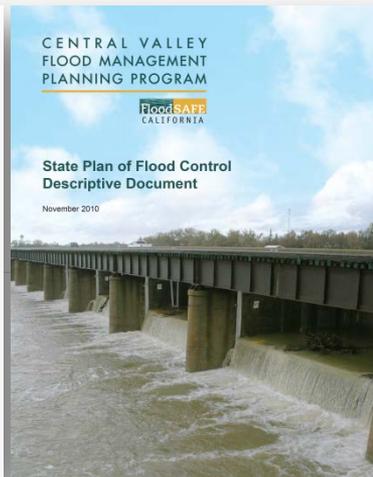


Proactive Flood Management

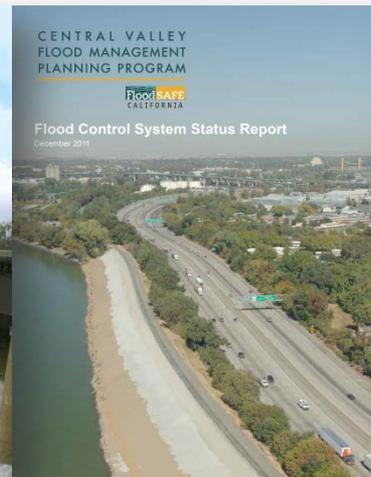
- 2007 Flood Legislation Package (6 Bills)
 - ❑ Develop plans to address flood control system problems in the Central Valley,
 - Provide updated information on flood risks, and
 - Require local land-use planning and management to consider potential flood risks



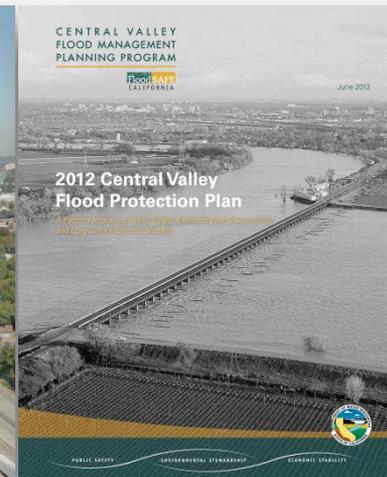
2008



2010



2011



2012

Proactive Flood Management

- 2007 Flood Legislation Package (6 Bills)
 - Develop plans to address flood control system problems in the Central Valley,
 - ❑ Provide updated information on flood risks, and
 - Require local land-use planning and management to consider potential flood risks

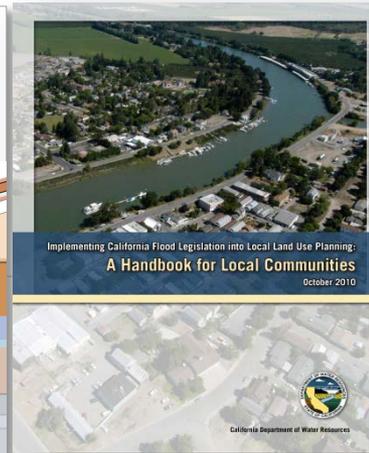
Central Valley Hydrology Study	Levee Evaluation Program	Central Valley Floodplain Evaluation and Delineation Program	SB 1278 Flood Risk Information Maps
---	---	---	--

Proactive Flood Management

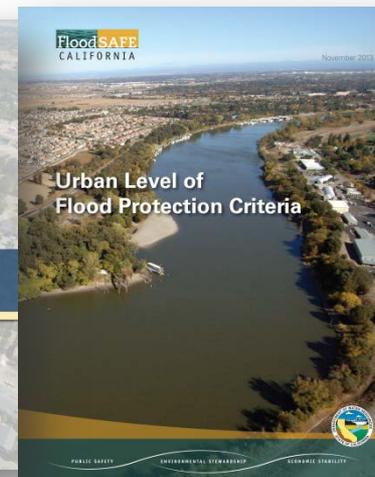
- 2007 Flood Legislation Package (6 Bills)
 - Develop plans to address flood control system problems in the Central Valley,
 - Provide updated information on flood risks, and
 - ❑ Require local land-use planning and management to consider potential flood risks



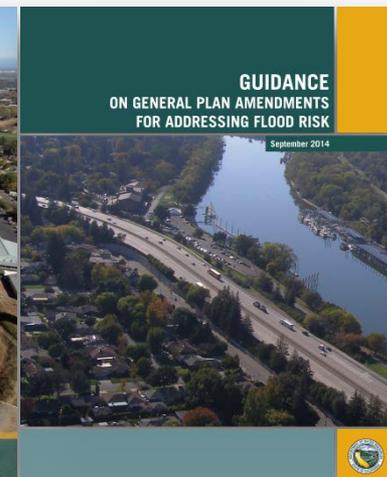
2009



2010



2013



2014

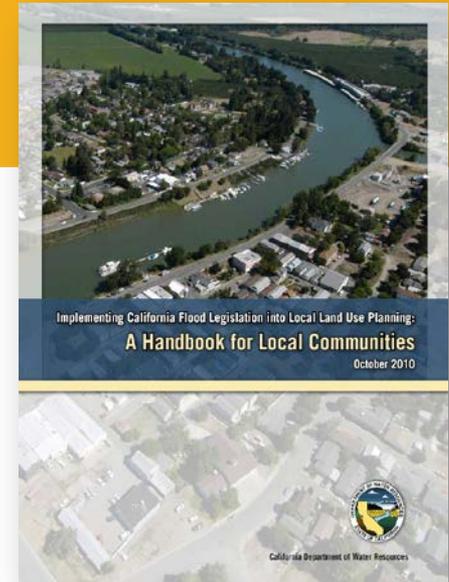
Context and Purpose

■ DWR 2014 Guidance is an Extension of the DWR 2010 Handbook

- Implementation of 2007 California Flood Risk Legislation
- Tied to Senate Bill 5 (2007), as amended by Senate Bill 1278 (2012) and Assembly Bill 1965 (2012)
- Incorporates State flood management program accomplishments (e.g., adoption of 2012 Central Valley Flood Protection Plan)

■ DWR Technical Assistance function (Government Code §65302.9(c))

- Guidance is a reference document for **advisory** purposes only
- Expressed need for support from cities and counties
- Relevant flood risk resources, data, and other information

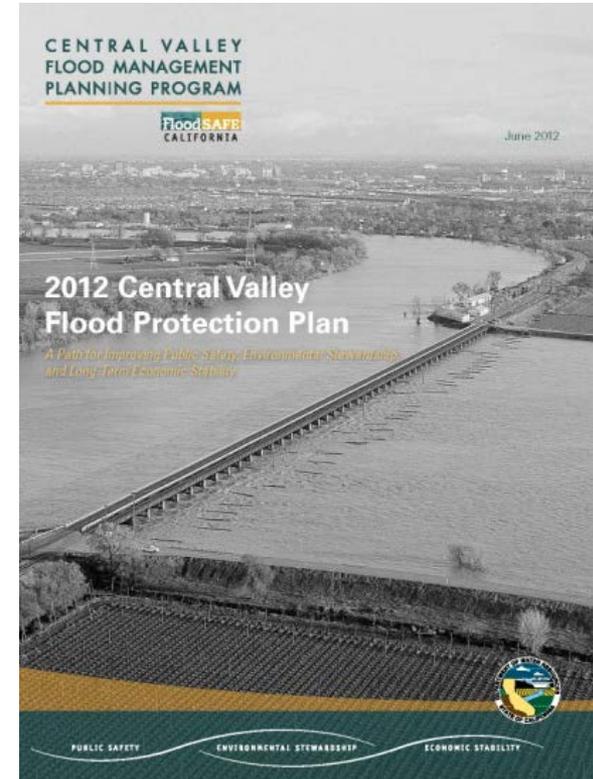


Approach

- **Addresses State law requirements** to include 2012 CVFPP data and analysis in local general plans
- **Encourages a broad perspective** beyond the 2012 CVFPP
- **Integrates information** from State, federal, and regional flood management programs and practices
- **Aligns with Integrated Water Management**
- **Leverages expertise and input** from voluntary cities and counties, State and federal agencies, and interested parties

California Government Code Requirements – SB 5 (as amended by SB 1278 and AB 1965)

- **General Plan** amendment requirements include (Government Code Section 65302.9):
 - **Data and analysis** contained in 2012 CVFPP
 - Locations of SPFC facilities and areas protected by the facilities
 - Locations of flood hazard zones
 - Goals, policies, objectives, and feasible mitigation measures based on the data and analysis contained in the CVFPP
- **Zoning ordinance** consistency (Government Code Section 65860.1)



Which communities are subject to SB 5 (as amended)?

- Requirements are applicable to cities and counties within the **Sacramento-San Joaquin Valley**, as defined in Government Code Section 65007(h):
 - *“Any lands in the bed or along or near the banks of the Sacramento River or San Joaquin River, or any of their tributaries or connected therewith, or upon any land adjacent thereto, or within any of the overflow basins thereof, or upon any land susceptible to overflow there from. The Sacramento-San Joaquin Valley does not include lands lying within the Tulare Lake basin, including the Kings River.”*
- **Local communities to determine** if they are “in” or “out” of the Sacramento-San Joaquin Valley

What is the SB 5 (as amended) schedule for compliance?

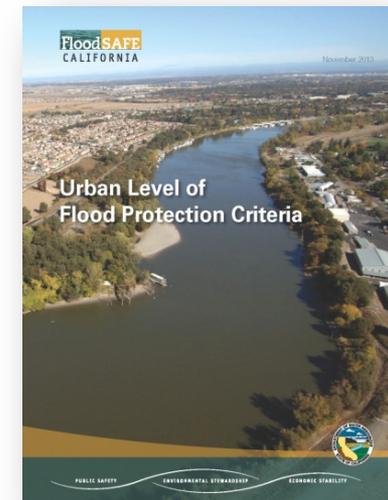
- **General Plan** amendments required by July 2, 2015
- **Zoning Ordinance** consistency by July 2, 2016, or 1 year after the general plan amendment adoption date, whichever comes first
 - This process can also include updates to local floodplain management ordinances or other municipal codes

There is no review, approval, or enforcement authority by any State agency.

What happens after July 2, 2016?

There is no review, approval, or enforcement authority by any State agency.

- **200-Year Urban Level of Flood Protection**
 - Communities within the Sacramento-San Joaquin Valley for areas that are within specific locations will be required to make a finding for urban level of flood protection in order to proceed certain land use actions
- **Affected Land Use Decisions**
 - Entering into a development agreement
 - Approving a discretionary permit or other discretionary entitlement
 - Approving a ministerial permit for new residences
 - Approving a tentative map, or parcel map for which a tentative map was not required



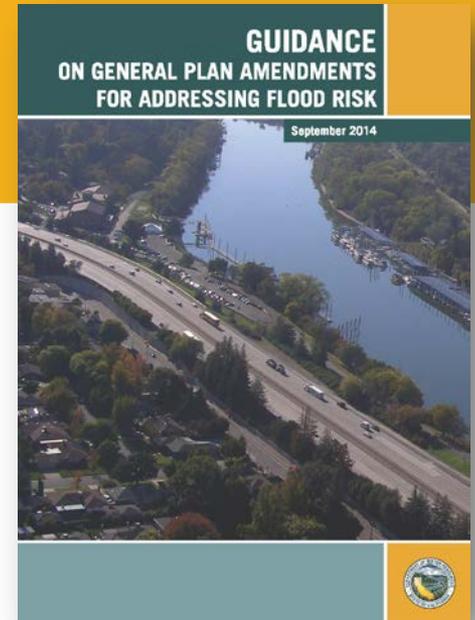
California Government Code and AB 162

(Don't forget about Statewide Requirements...)

- **General Plan Land Use Element**
 - Identify areas subject to flooding via FEMA and DWR floodplain mapping.
- **General Plan Conservation Element**
 - Identify areas that may accommodate floodwater for groundwater recharge and stormwater management.
- **General Plan Safety Element**
 - Identify and revise flood hazard information and establish policies to protect communities from flooding risks.
- **General Plan Housing Element**
 - When developing regional housing needs assessment (RHNA) methodology, the determination of available land suitable for urban development may exclude lands where FEMA or DWR has determined the flood management infrastructure is not adequate to avoid the risk of flooding.

Guidance Content Highlights

- Updated information on compliance requirements (Sections 1 and 2)
- Example CVFPP goals, policy guidance, objectives, and implementation measure guidance (Section 3)
- Sample general plan goals, policies, objectives, and implementation measures (Section 3)
- Related general plan information (Section 4)
- Comprehensive list of available data and tools (Appendix A)
- Acronyms and definitions (Appendix B)
- DWR information/data request procedure (Appendix C)



Appendix A: Resources for Data and Analysis

50+ individual sources of data and information

- A. Data from 2012 CVFPP Developed under the DWR CVFMP
- B. Data Complementing CVFPP from Other DWR FloodSAFE Programs and Activities
- C. Data from FEMA Programs and Activities
- D. Additional Clearinghouse Databases for Information

Table A: Resources for Data and Analysis

Data and Analysis		Geographic Applicability				Content Focus			Addressing California Government Code §65302.9 General Plan Amendment Requirements					
Source	Item/Description	Statewide	Sacramento and San Joaquin Hydrologic Regions (Whole, Partial)	Sacramento-San Joaquin Valley (Whole, Partial) (CGC 65007(h))	Areas Protected by the SPFC	Flood Management	Element(s) of IWM	General Context and Reference	Direct Use		Indirect Use		Other	
									Locations of Flood Management Facilities (SPFC)	Locations of Real Property Protected by Flood Management	Locations of Flood Hazard Zones	Data, Analyses, and Approaches to Quantify Flood Risks and Assets		Considerations for Goal, Policy, and Objective Development

Appendix C: DWR Information/Data Request Procedure

- Communities can obtain information, data, and other technical assistance that is not readily accessible in 2014 Guidance (e.g., modeling, topography, and other flood management information)
- Email FloodSAFE California: floodsafe@water.ca.gov
 - **Email subject:** General Plan Amendments for Addressing Flood Risk, DWR Information/Data Request
 - **Detailed description:** List each data request in the body of the email. Clearly state why the data are being requested, the intended use and when the requested data are needed.
 - **Contact information:** Provide name, title, affiliation, email and phone number so DWR can respond appropriately to the request.

Key Points in FAQ

1. Roles and responsibility
 - DWR's role and responsibility is to provide technical assistance
 - Requests can be made to DWR to acquire technical data not accessible through the Guidance
 - State law does not specify any review, approval, or enforcement authority by any State agency for the SB 5 requirements
2. Guidance is advisory only; it is not a regulatory document
 - Guidance does not establish any basis for State law compliance
 - Guidance is not a “one size fits all” model approach
 - Guidance will not go through a formal public review process
 - Guidance is indirectly related to DWR’s ULOP Criteria
3. DWR has completed 200-year floodplain informational maps under SB 1278 (2012)



Q&A

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

DWR Website and Contacts

DWR Local Flood Risk Planning and Guidance Website:

<http://www.water.ca.gov/cvfmp/guidance.cfm>

Project Email:

localfloodriskhandbook@water.ca.gov

DWR Project Contacts:

Michele Ng, Central Valley Flood Planning Office

Michele.Ng@water.ca.gov or (916) 574-2371

Allan Oto, Central Valley Flood Planning Office

Allan.Oto@water.ca.gov or (916) 574-1415

Supplemental slides

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

Section 3: CVFPP Examples and Sample General Plan Language

- Example CVFPP goals, policy guidance, objectives, and implementation measure guidance
 - Vision for future State investment in improving flood management in the Sacramento-San Joaquin Valley
 - Contains key considerations for cities and counties to keep in mind when writing local flood management policies
- Sample general plan goals, policies, objectives, and implementation measures
 - Compatible with statewide flood management practices
 - Not a “model” language approach due to the varying local settings, needs, priorities, and preferences of each city or county
 - Reflect general plan content that cities and counties throughout the Sacramento-San Joaquin Valley have incorporated
 - Provides a starting point for refinement by cities and counties

Appendix A: Resources for Data and Analysis

Data and Analysis			
Source		Item/Description	
A. Data from 2012 CVFPP Developed under the DWR CVFMP Program			
A.1	CVFPB	CVFPP Board Resolution 2012-25:	The resolution provides additional guidance and amendments on the draft 2012 CVFPP by the CVFPB in adopting the 2012 CVFPP, the comprehensive framework for systemwide flood management and flood risk reduction in the Sacramento and San Joaquin River basins. See also: CVFMP Program, RFMP, BWFS, Conservation Strategy. See also endnote: [1]
A.2	CVFMP Program	2012 CVFPP with errata and attachments:	The CVFPP is a critical flood management and flood risk reduction document meant to provide a comprehensive and integrated framework for a SSIA for areas protected by the SPFC facilities. The CVFPP is on a 5-year update cycle and the major flood management planning efforts that resulted from the 2012 plan are ongoing to refine the SSIA and inform the 2017 CVFPP update, providing support for subsequent policy, program, and project implementation. Additional details on each attachment is provided later in this table. See also endnote: [1]
		CVFPP Consolidated Final Program EIR with appendices:	The CVFPP Program EIR was developed to inform DWR, which developed the CVFPP, and the CVFPB, which adopts the CVFPP, about potential program-level environmental effects and mitigation measures related to the components of the CVFPP. See also endnote: [1]

- “Source” identifies the resource title
- “Item/Description” clarifies the type of information available and context as to why this information is relevant
- Hyperlinks

Appendix A: Resources for Data and Analysis

Geographic Applicability

Statewide	Sacramento and San Joaquin Hydrologic Regions (Whole, Partial)	Sacramento-San Joaquin Valley (Whole, Partial) (CGC 65007(h))	Areas Protected by the SPFC
-----------	--	---	-----------------------------

- Information varies by geography
- 4 categories
- Presented from largest span of area (Statewide) to the smallest (areas protected by the SPFC)

Content Focus

Flood Management	Element(s) of IWM	General Context and Reference
------------------	-------------------	-------------------------------

- Identifies the larger themes of each resource – flood management, IWM, and general

Endnotes:

- [1] Coordination with local flood management agencies and/or other technical experts is advised.
- [2] [Central Valley Flood System Conservation Strategy](#)

- Coordination with agencies and/or other technical experts advised
- Hyperlinked programs

Appendix A: Resources for Data and Analysis

The vertical blue columns in Table A highlight “locationally-based” resources that would generally yield a map that can be applied “directly” into the general plan to assist in satisfying the State law requirements.

The vertical green columns in Table A highlight more qualitative information that can be read, analyzed, interpreted, and tailored for locally relevant responses as an “indirect use” of the data to assist in satisfying the State law requirements.

Addressing California Government Code §65302.9 General Plan Amendment Requirements								
Direct Use			Indirect Use			Other		
Locations of Flood Management Facilities (SPFC)	Locations of Real Property Protected by Flood Management	Locations of Flood Hazard Zones	Data, Analyses, and Approaches to Quantify Flood Risks and Assets	Considerations for Goal, Policy, and Objective Development	Considerations for Implementation Measure Development	Consideration for General Plan Safety Element and Flood	Consideration for Other General Plan Elements	or Topics

State Law Related