


FloodSAFE CALIFORNIA

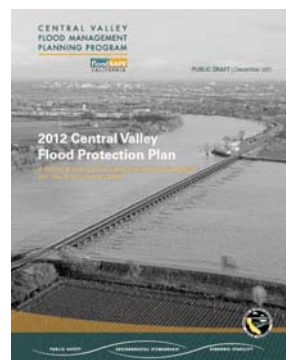
About the 2012 Central Valley Flood Protection Plan



ICID ADELAIDE WORKSHOP ON ADAPTIVE FLOOD MANAGEMENT
June 25, 2012
Presented by: Maurice Roos
California Department of Water Resources

PUBLIC SAFETY ENVIRONMENTAL STEWARDSHIP ECONOMIC STABILITY

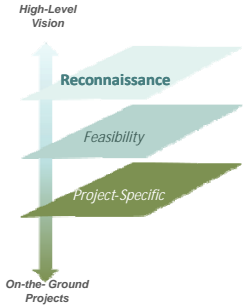
Public Draft Plan



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Scope of Technical Evaluation

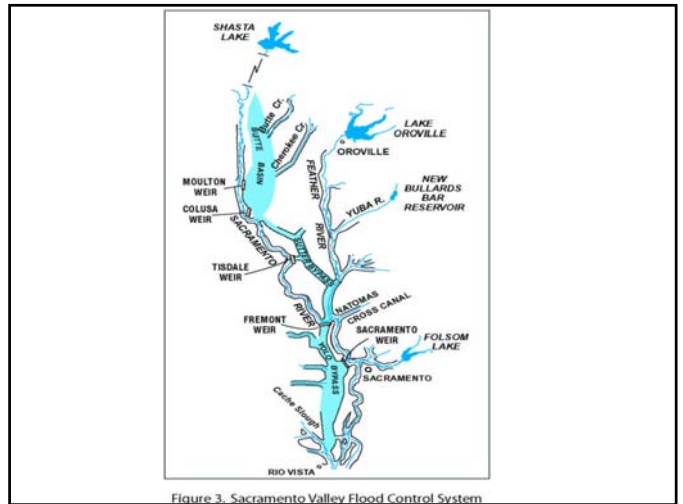
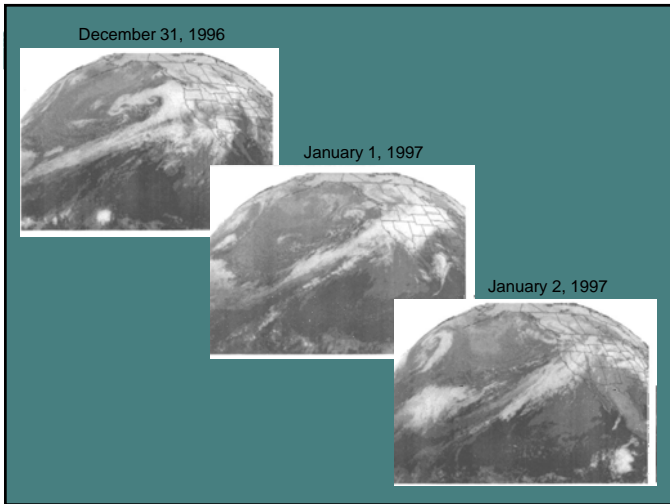
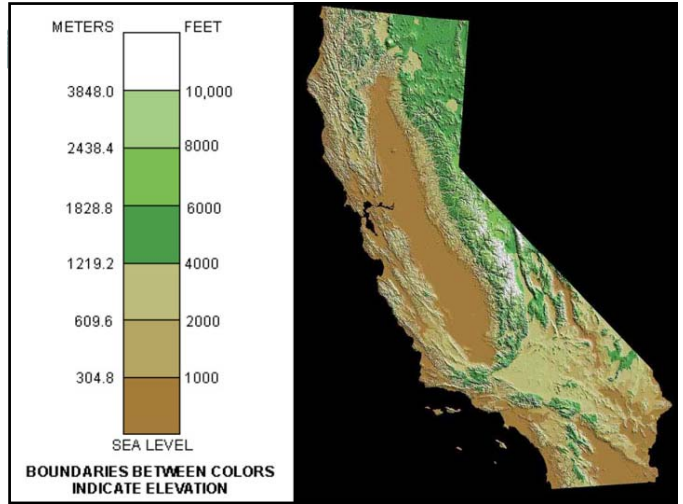
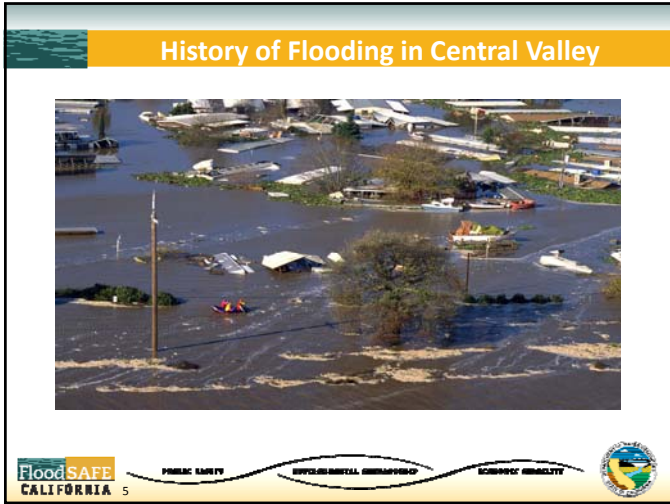


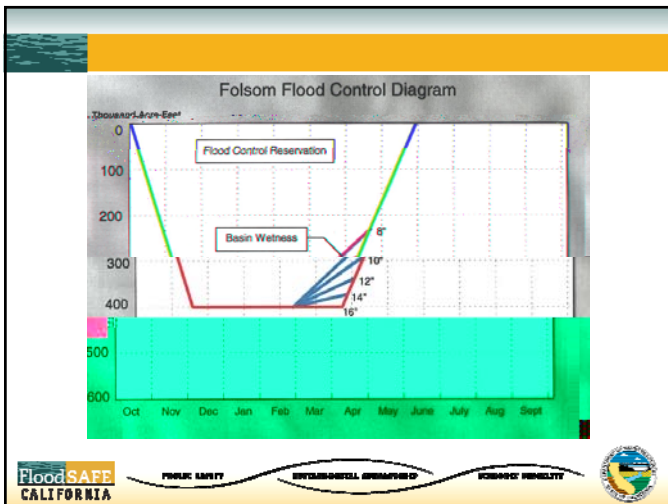
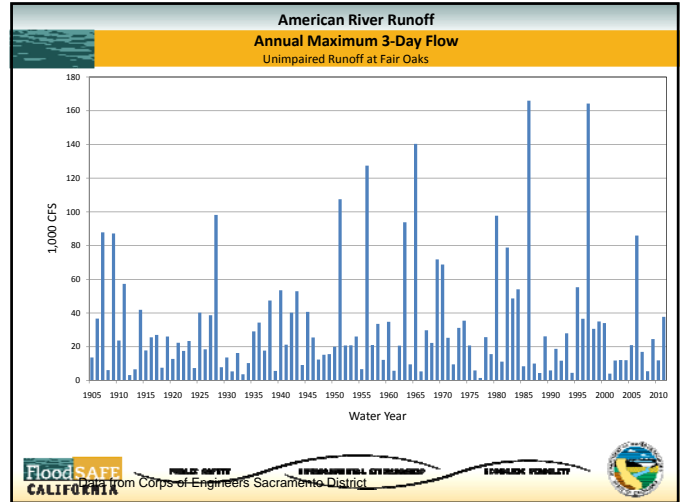
- Existing and available tools
- Reconnaissance level of detail
- Focus on system as whole, rather than local conditions

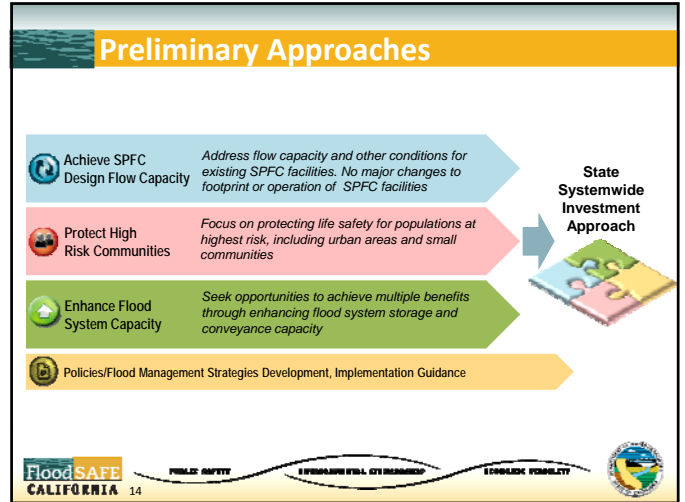
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Flood and Related Risks in the Central







Guiding the Solution

The 2012 Central Valley Flood Protection Plan reflects the State's systemwide investment approach for flood management improvements in the Central Valley

"SSIA"

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ENVIRONMENTAL STewardSHIP
ECONOMIC ViABILITY

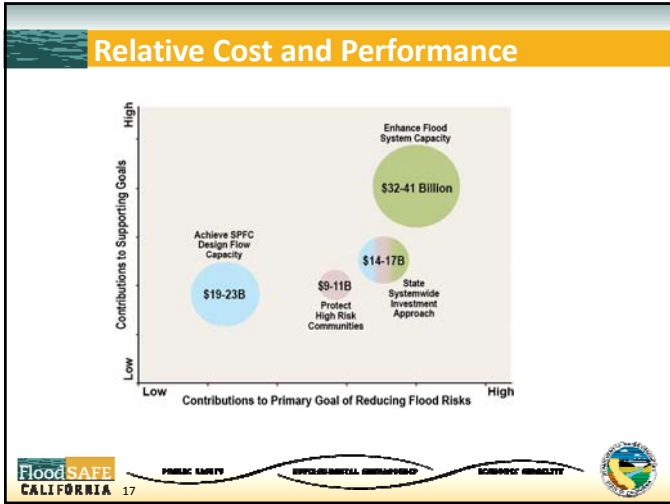
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Solution: Systemwide Perspective

- Considers the Central Valley flood system as a whole
- Recognizes the State's fundamental interests
 - Public safety
 - Economic stability
 - Environmental stewardship


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Solution: State Systemwide Investment Approach


- Physical elements
 - Regional Improvements
 - Urban
 - Small Communities
 - Rural/Agricultural Communities
 - System Improvements
- Ecosystem restoration
- Policies, guidance and implementation strategies



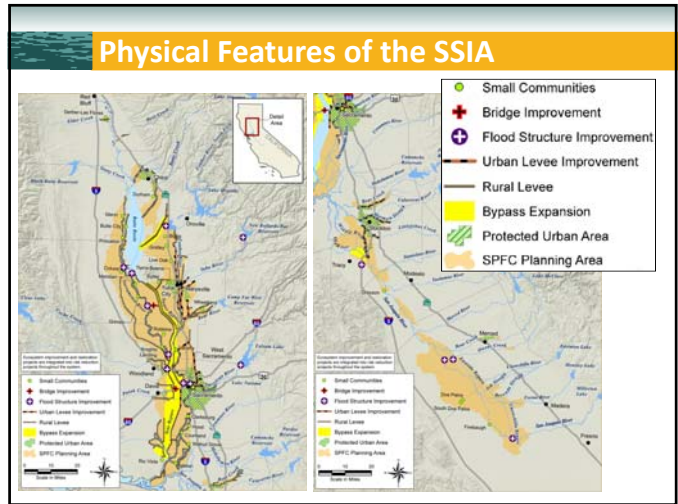
Public Safety | Environmental Stewardship | Economic Resilience

Solution: Benefits of This Approach

- 49% reduction in life risk
- 67% reduction in expected annual flood damages
- Avoid business losses by over \$100 million annually
- 10,000 acres new habitat
- 25,000 acres habitat-compatible crops
- Sustain the rural-ag lifestyle
- Resilient and adaptable



Public Safety | Environmental Stewardship | Economic Resilience



New and Expanded Bypasses

System elements for long-term flood benefits

- Increase in flow throughput and retention
- Systemwide effects in stage reduction
- Augment future urban protection from ongoing regional projects
- Climate changes adaptation strategy

Regional Planning

- DWR will work with local agencies in nine regions to develop regional plans and financing strategies
- Regional efforts will support development of the CVFPP Financing Plan and State and federal feasibility studies
- Some implementation actions will continue to be locally driven

Define and map Flood Protection Zones in the Central Valley

Identify solutions in Flood Protection Zones

Prepare Regional Financial Plan

Prepare Regional Flood Management Plan using Flood Protection Zone information in the region

Summary and Next Steps

- **There is an urgent need**
 - Over one million people and \$69 billion at risk
- **The CVFPP provides a path forward**
 - It will be costly: \$14-17 Billion
 - It will take a long time to implement: 20+ years
 - We are already making progress: \$1.6 Billion in early implementation investments
- **There is still work to do**
 - Public review and Board adoption process
 - Regional planning and financing strategy
 - State and USACE feasibility studies