## California Reservoir System Re-Operation

Climate Prediction Applications Workshop
March 2, 2010

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# Talk Overview

What is System Re-Operation?

What is the System?

Operational Considerations

Re-Operation as a Response to Climate Change

# What is System Re-Operation?

## System Reoperation

### Goal:

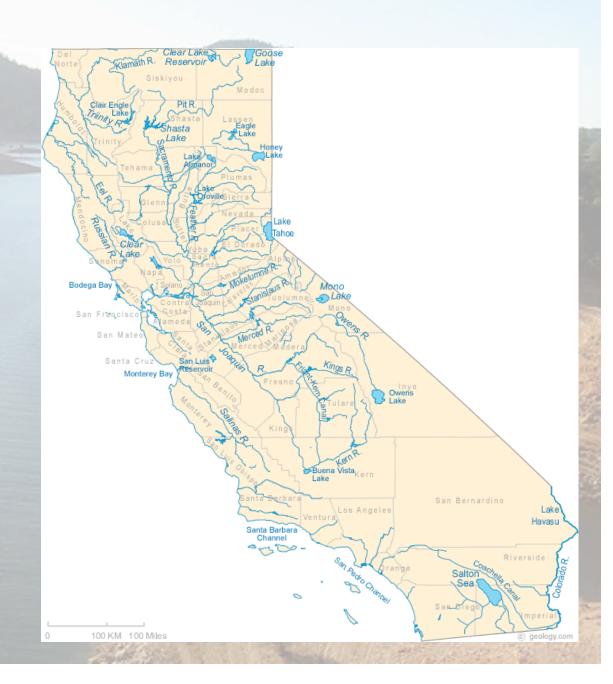
To support improvements to water management activities by providing insight to the impacts and uncertainity of pontential:

- (1) managed actions / operations, &
- (2) environmental / climate changes.

### Objectives:

- 1. Develop new tools,
- Design methodology to perform studies,
- Conduct pilot project studies, &
- 4. Evaluate improvements in system operation & understanding of system.

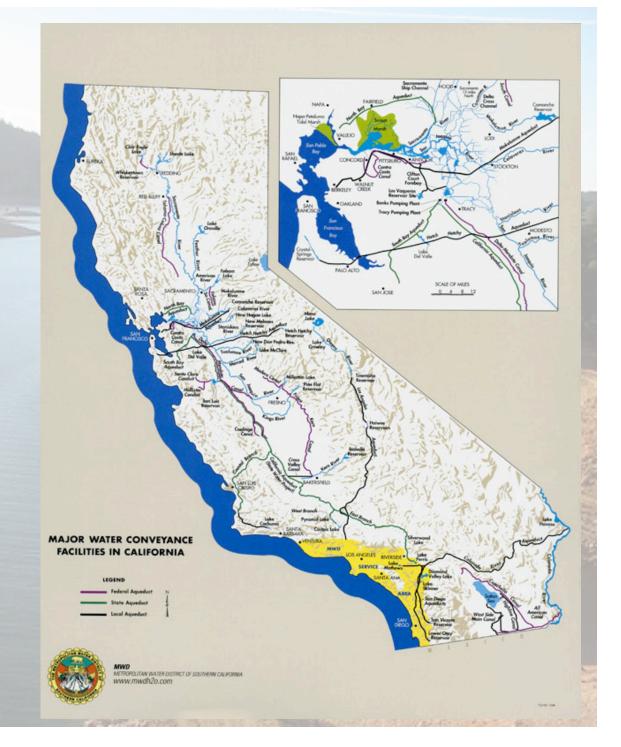
# The River Systems

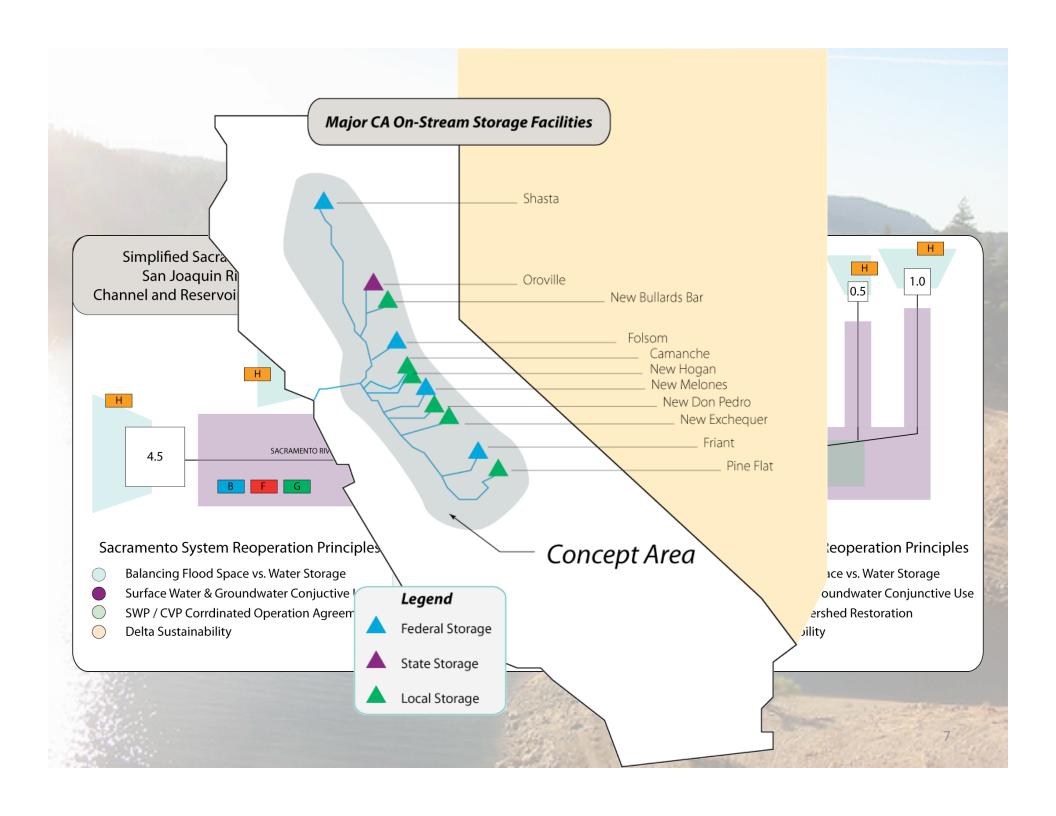


# The Sacramento River Systems

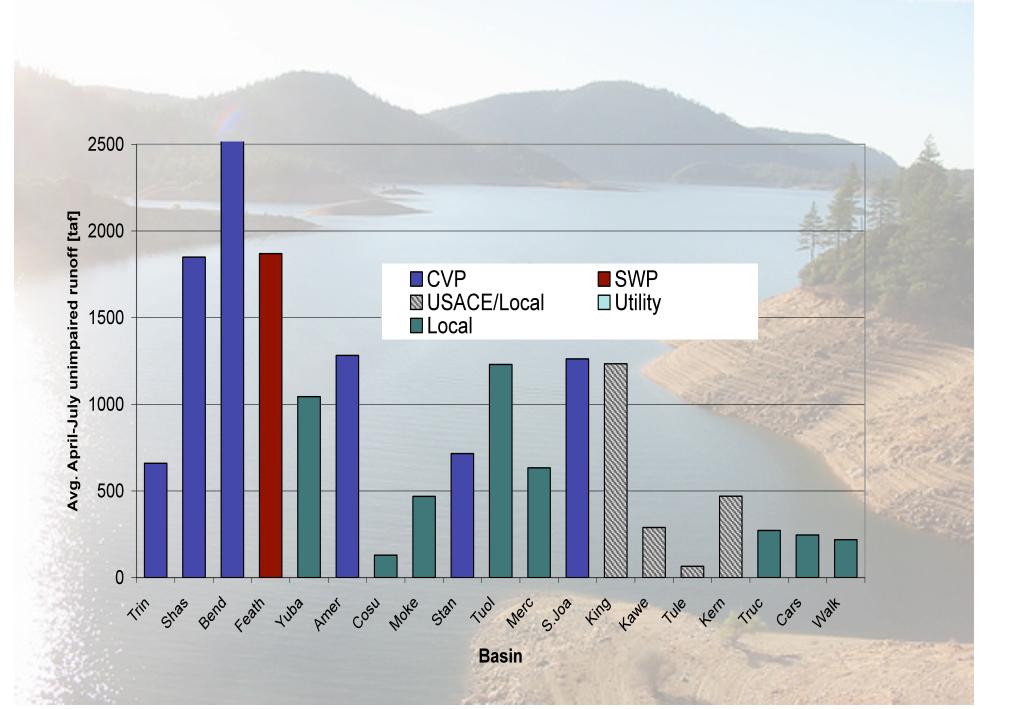


# Conveyance Systems

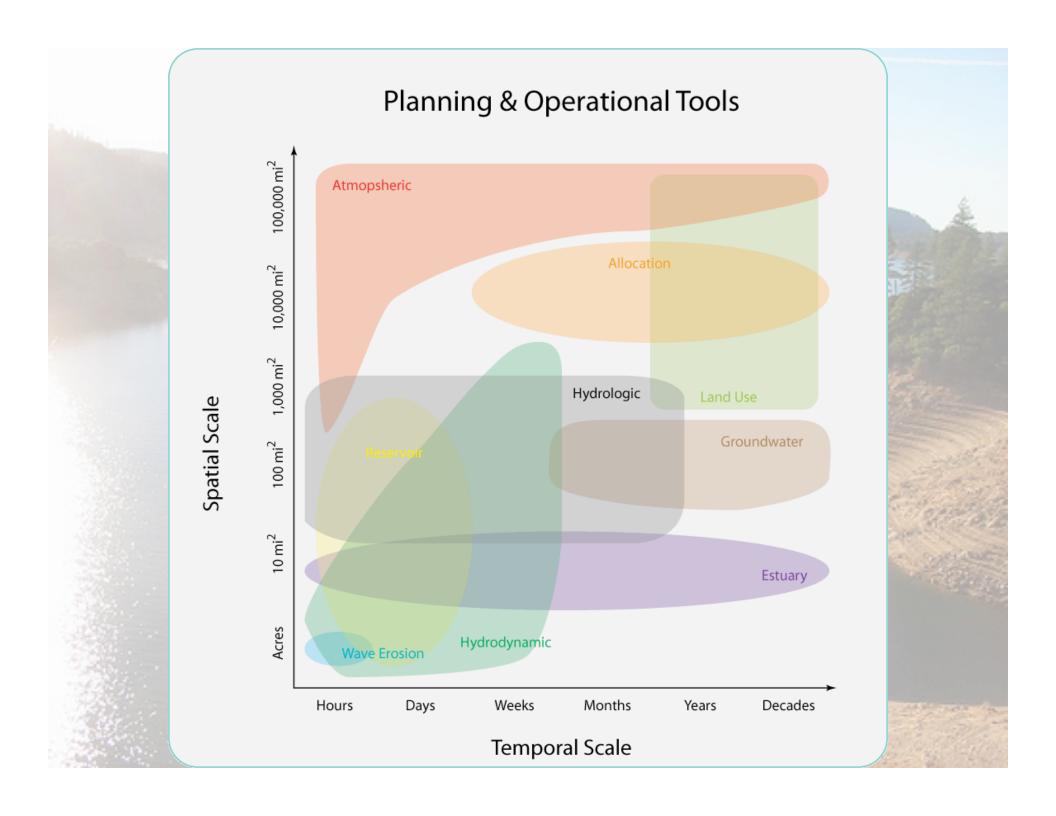




Flood	Component Type		Other Water Management Objectives			
	Structural	Non-Structural	Agriculture Municipal & Industrial	Navigation & Power	Environment	Recreation
Monitoring Network		✓	✓	✓		
Reservoirs	✓	✓	✓	✓	✓	<b>✓</b>
Levee System	✓				✓	<b>✓</b>
Weirs & Control Gates	✓			✓		
Flood Bypasses & Diversion Canals	✓		✓		✓	
Sediment & Debris Control	✓			✓		
Maintenance, Evaluation, & Repair Programs		✓				







# Existing Programs and Planning Activities in DWR

- CVHS Central Valley Hydrology Study
- CVFED Central Valley Floodplain Mapping
- CVFPP Central Valley Flood Protection Plan
- BDCP Bay Delta Conservation Plan
- OCAP Water Supply Operations Planning Program
- FCO Forecast Coordinated Operations Projects

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