



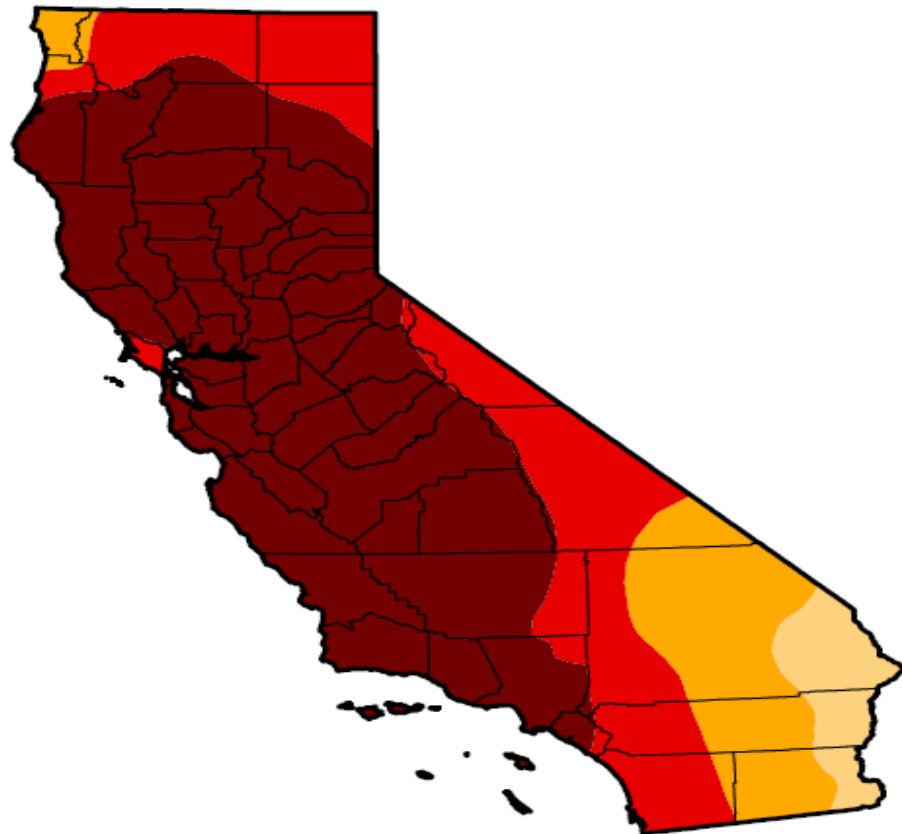
# Current Issues

Water Education Foundation

October 2, 2014

# U.S. Drought Monitor California

**September 23, 2014**  
(Released Thursday, Sep. 25, 2014)  
Valid 8 a.m. EDT



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	100.00	95.34	81.92	58.41
<b>Last Week</b> <i>9/16/2014</i>	0.00	100.00	100.00	95.42	81.92	58.41
<b>3 Months Ago</b> <i>6/24/2014</i>	0.00	100.00	100.00	100.00	78.69	32.98
<b>Start of Calendar Year</b> <i>12/31/2013</i>	2.61	97.39	94.25	87.53	27.59	0.00
<b>Start of Water Year</b> <i>10/1/2013</i>	2.63	97.37	95.95	84.12	11.36	0.00
<b>One Year Ago</b> <i>9/24/2013</i>	2.63	97.37	96.04	89.84	11.36	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**  
Richard Heim  
NCDG/NOAA



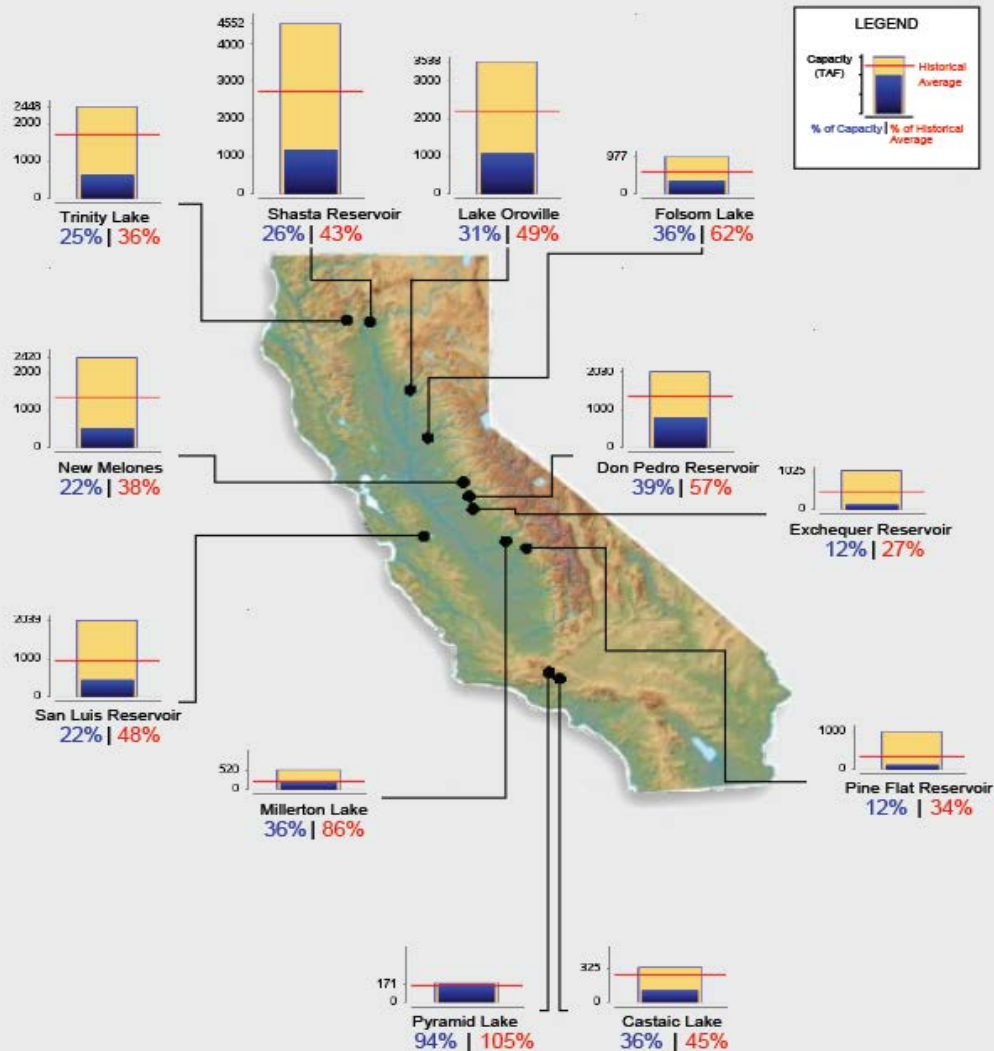
<http://droughtmonitor.unl.edu/>



# Reservoir Conditions

Ending At Midnight - September 24, 2014

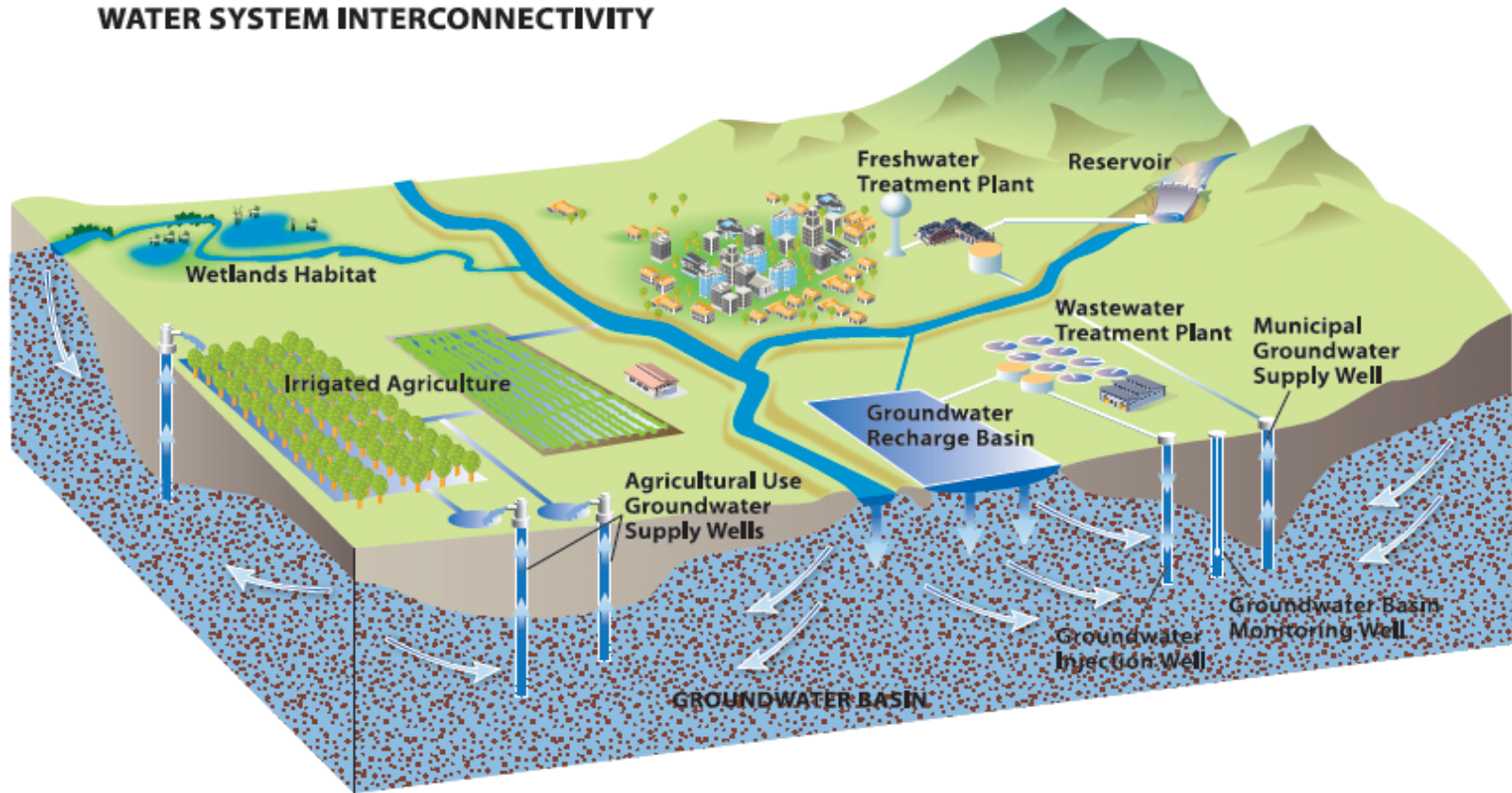
## CURRENT RESERVOIR CONDITIONS





# Integrated Water Management

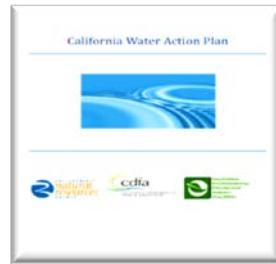
## WATER SYSTEM INTERCONNECTIVITY



# 2014: Year of Water



- Historic Drought
- Governor's Water Action Plan
- Water Bond Approved for Ballot
- Historic Groundwater Legislation

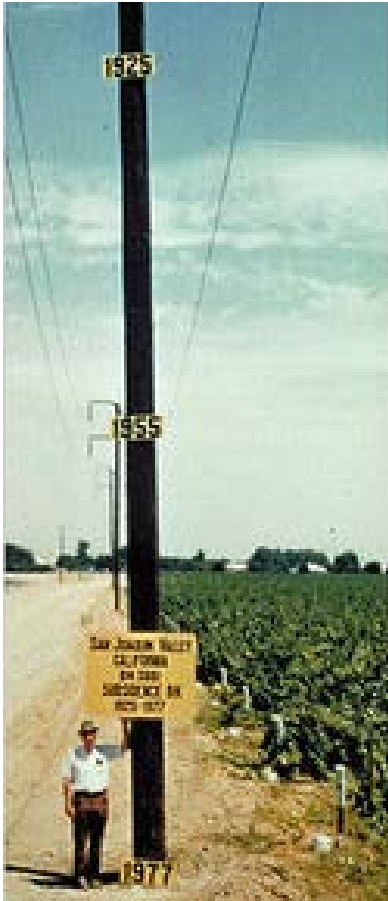


# Groundwater in Context

- 40% of supply in an average year; 60% in dry
- Critical part of integrated management
- Flexible source for storage and use
- Several decades of increasing use
  - Reduction in surface supplies
  - Hardening of demand
- Increasing landowner conflicts



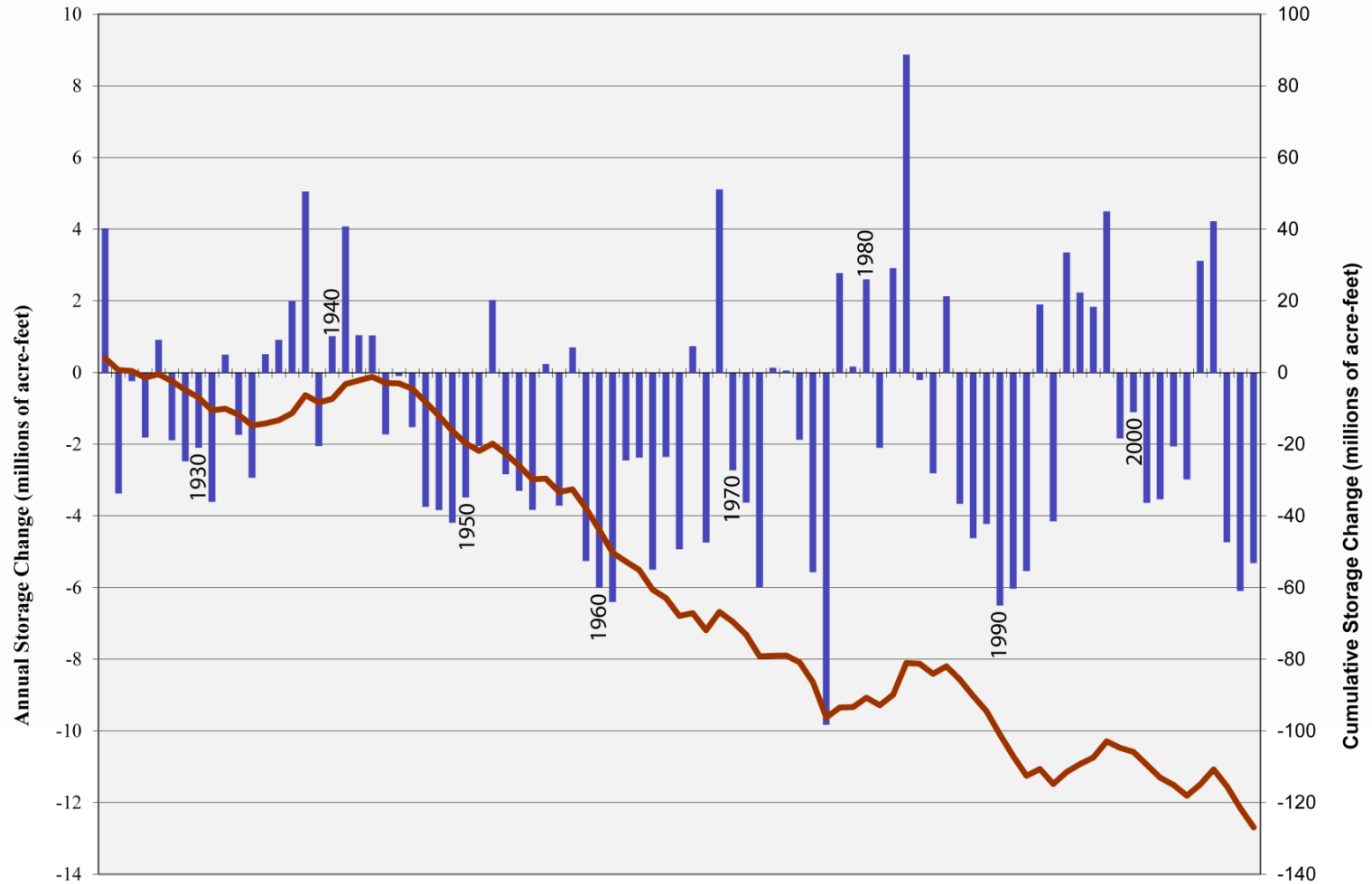
# Problems with Overdraft



- Subsidence threatens infrastructure
- Reduced water for species
- Reduced surface supplies
- Increased drilling/pumping costs
- Increased costs for taxpayers, business, farmers



# Change in Groundwater Storage for the Central Valley



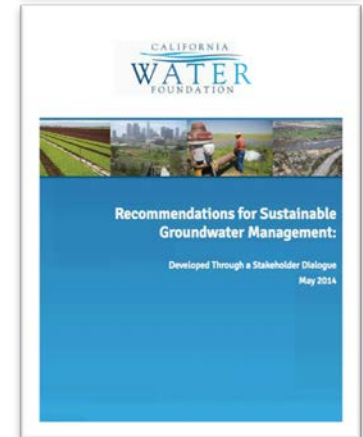
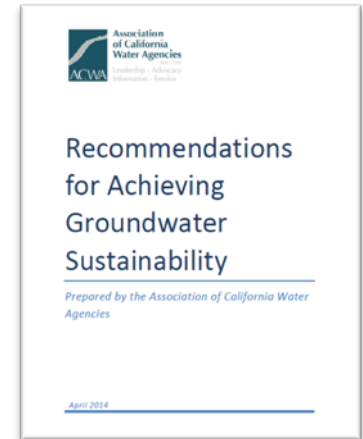
Source:  
RMC analysis of C2VSIM historical simulation results, 2012.

■ Annual Storage Change      — Cumulative Storage Change



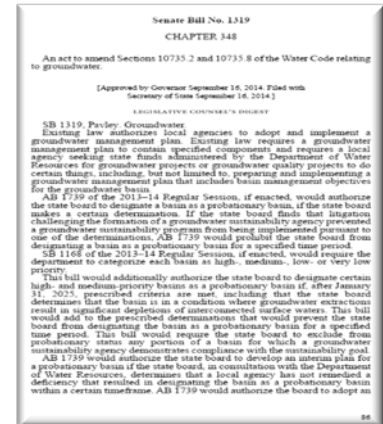
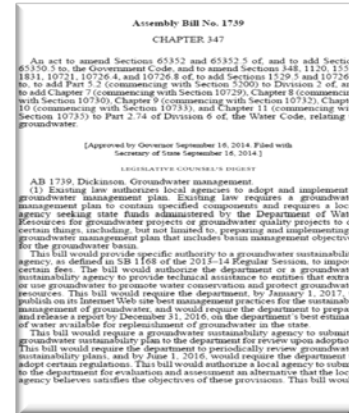
# Groundwater Policy

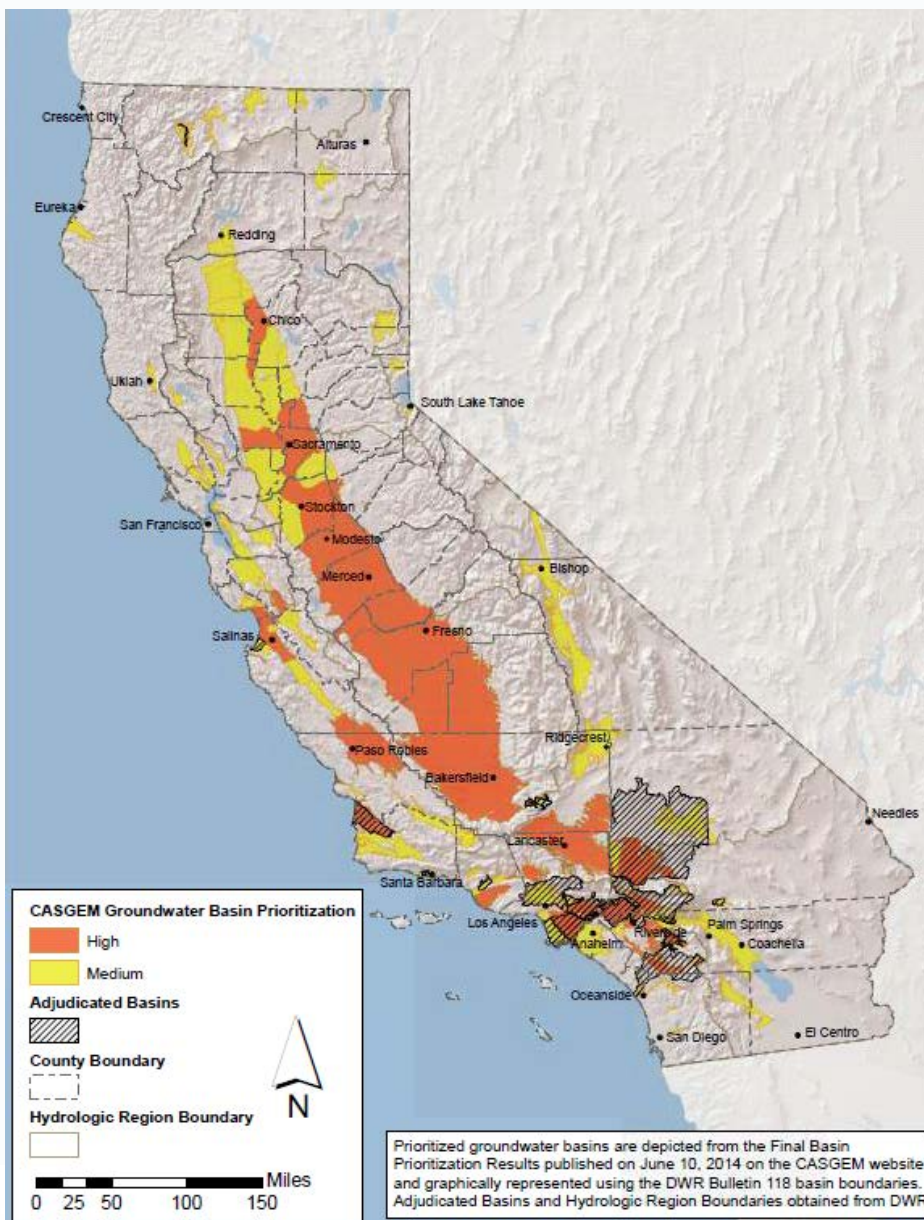
- 1961 Legislative Report
- 1978 Commission Report
- ACWA 2011 Report
- ACWA 2014 Recommendations
- CWF Steering Committee Outreach
- CWF Recommendations



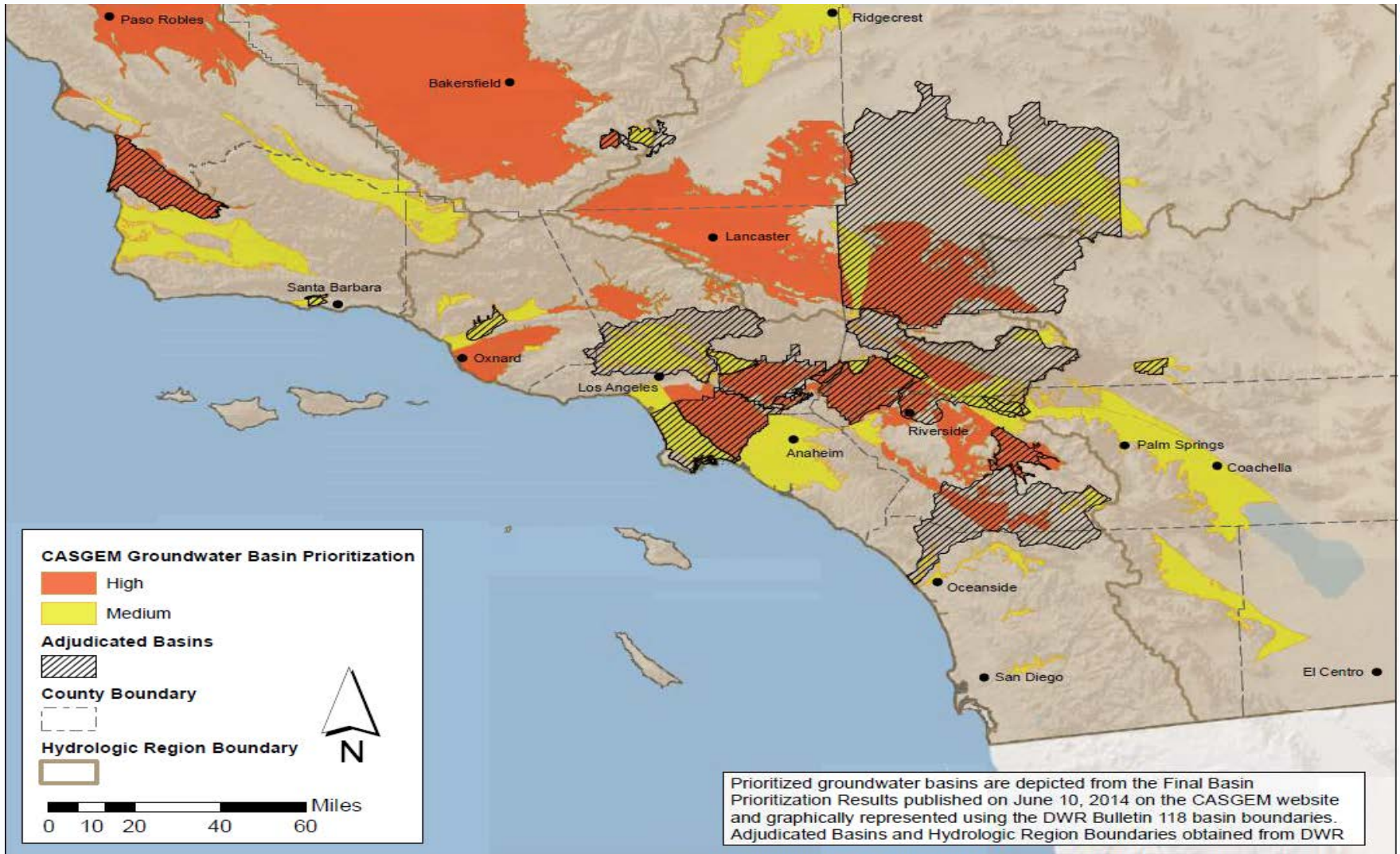
# Legislation Outline

- Definitions
- Local Empowerment
  - Jurisdiction and Basin Priority (exempts adjudicated basins)
  - Plan Requirements
  - Authorities
- State Role
  - Assistance
  - Plan Review
  - Back-Stop









# Time Frame for Success



Time	Action
6/30/2017	Formation of GSAs
1/31/2020	Completion of GSPs in critically overdrafted basins
1/31/2022	Completion of GSPs in all other basins
20-year implementation period	Implementation of GSPs under local management

Taking these actions shields local managers from state intervention



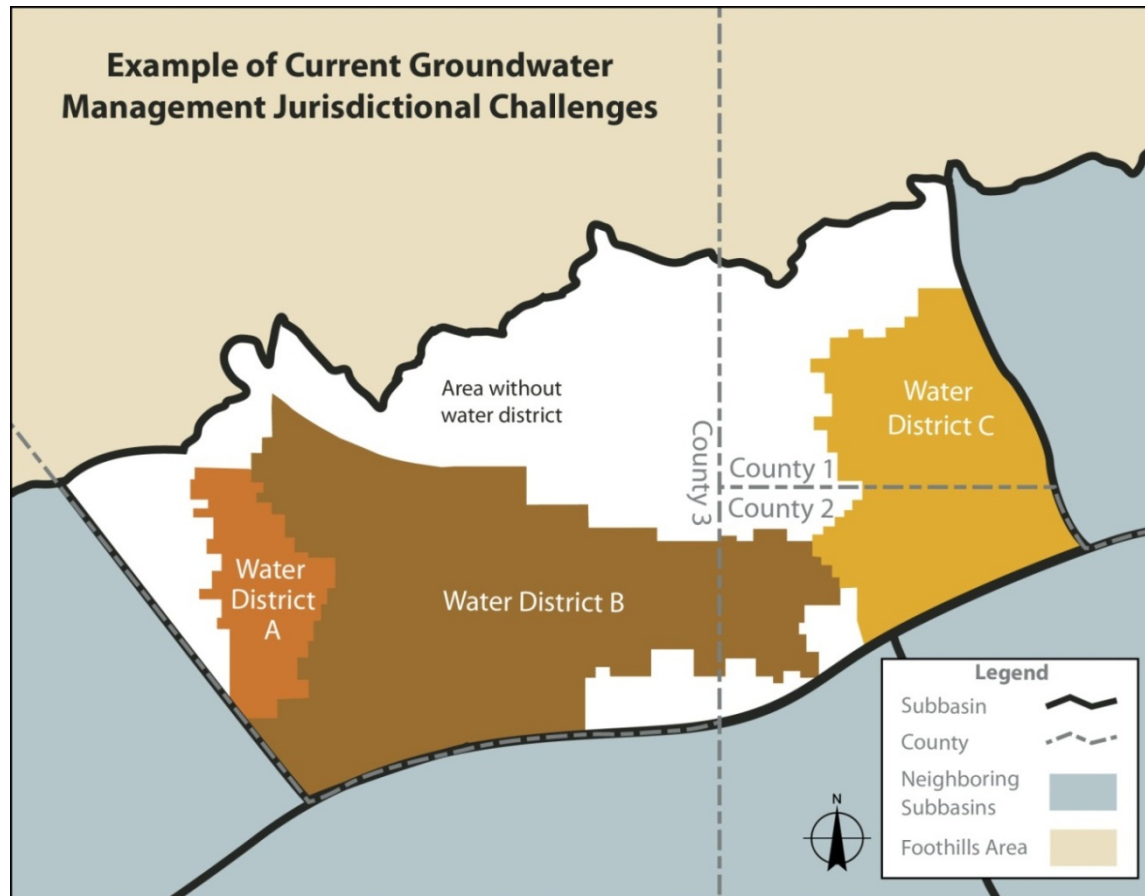
# The “Backstop” State Board Intervention



After	Cause of Intervention
June 30, 2017	No GSA
Jan. 31, 2020	In critically overdrafted basins, no GSA or GSP is inadequate
Jan. 31, 2022	In other basins, no GSA or GSP is inadequate and basin is in long-term overdraft
Jan. 31, 2025	GSP is inadequate and significant depletions of interconnected surface waters

In all triggering events, interventions is the result of a failure by the locals to create a GSA and adopt and implement a GSP.

# Jurisdiction Formation



# Groundwater Management Must Be Part of Statewide Comprehensive Program

- Local managers cannot tackle this problem alone
- Groundwater sustainability will require action at the state and federal level
- We must act on a comprehensive plan
- The governor's California Water Action Plan and Proposition 1 are a good start



# Bond Summary

\$520 million for projects that provide clean, safe and reliable drinking water

\$1.495 billion for multibenefit ecosystem & watershed protection & restoration projects

\$810 million to the Integrated Regional Water Management Program for projects that respond to climate change & contribute to regional water security

\$2.7 billion for statewide water system operational improvements & drought preparedness

\$725 million for water recycling & advanced treatment technology projects

\$900 million for groundwater sustainability

\$395 million statewide flood management projects and activities

# Key Issues for 2015



Sustainable Groundwater Management Act Implementation

Water Bond Implementation

Drought Conditions

Prop 218 and Long-term Funding

BDCP



# Integrated Water Management

## WATER SYSTEM INTERCONNECTIVITY

