

Sustainable Water Management in California

Mountain Counties Workshop
February 6, 2015



Gary Bardini
Deputy Director
California Department of Water Resources



Hot Topics in CA Water Management

(will cover in this presentation)

- CA Water Action Plan Implementation
- Continued Drought Conditions and the State's Response
- Future of the IRWM Program
- Water Storage
- Sustainable Groundwater Legislation
- Proposition 1 (Water Bond)
- Role of the California Water Plan



California Water Action Plan

Governor Brown directed three cabinet secretaries to coordinate on an interagency effort to create a water action plan for the state.



Ten Priority Actions

1. Make conservation a California way of life
2. Increase regional self-reliance and integrated water management across all levels of government
3. Achieve the co-equal goals for the Delta
4. Protect and restore important ecosystems
5. Manage and prepare for dry periods
6. Expand water storage capacity and improve groundwater management
7. Provide safe water for all communities
8. Increase flood protection
9. Increase operational and regulatory efficiency
10. Identify sustainable and integrated financing opportunities



CA Water Action Plan

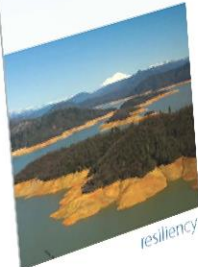
Implementation Report for Legislature

- Introduction: A Roadmap to Sustainability
- 2014 in Review: Drought Response and a Foundation for Future Work
- Looking Ahead: The Next Four Years and Beyond
- Financing
- **Download here:**
<http://resources.ca.gov/california-water-action-plan>



California Water Action Plan
Implementation Report
2015–2018

Final Draft, January 22, 2015

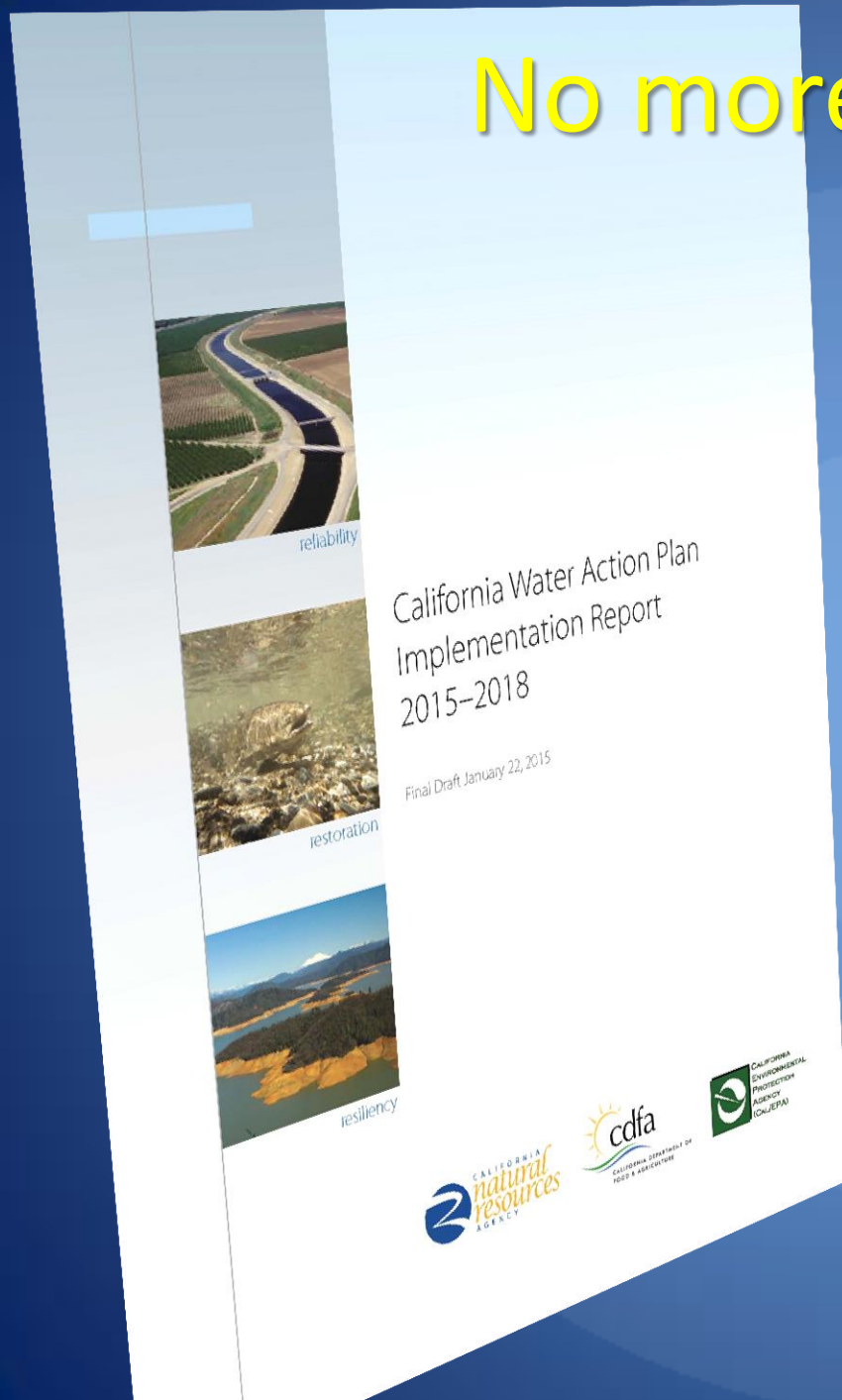


No more status quo

"The Water Action Plan is a commitment to....

...an institutional evolution from business as-usual to truly integrated resource management

...to grow toward outcome-driven decision-making, whereby California's long-term sustainable water management objectives guide program development that in turn drives budget decisions."



2014 Highlights

Implementing the
California Water Action Plan

Figure 1: 2014 Highlights

January

Governor Releases Water Action Plan

Governor releases *California Water Action Plan*, following coordination with state agencies, tribes and public

Governor Takes Action on Drought

Governor issues drought emergency declaration and proposes 2014/15 State budget that includes funding for Action Plan implementation, including drought response (*Actions 1-5*)

Drought Forum Raises Awareness

CDFA sponsors forum to discuss drought information needs and ways to improve preparedness (*Action 5*)

Adjusted Operations Save Water

Upon petition by DWR & BOR, State Water Board issues order to allow adjusted operation of the State and Federal Projects to save water for critical needs (*Actions 5, 9*)

Integrated Projects Receive Grants

DWR awards \$153M to 20 regions to support 138 integrated multi-benefit projects (*Actions 2, 5*)

March

Emergency Legislation Helps Drought-Stricken Communities

Governor and Legislature collaborate on accelerated drought relief and Action Plan implementation package (SB 103/104; over \$687M). State agencies quickly responded by working with the American Red Cross and community organizations to deliver water to those in need (*Actions 1, 2, 5, 7*)



Low Interest Loans for Water Recycling

State Water Board makes available \$800M in low-interest loan funds to increase water recycling and provide alternative drought-proof supply for communities (*Actions 1, 2, 5, 7*)

May

Save Our Water Month

Governor proclaims May to be *Save Our Water Month* and State intensifies public campaign with TV/radio ads and planned State Fair Exhibits (*Actions 1, 5*)

Work Begins to Prioritize Delta Levee Investments

DSC releases concept paper and establishes inter-agency funding agreements to prioritize State investments in Delta levees, consistent with the Delta Plan (*Actions 3, 8*)

State Coordinates Voluntary Actions in Key Watersheds

State Water Board adopts emergency fish flow regulations to maintain minimum flows in 3 Sacramento River tributaries, and coordinates with CDFW to develop voluntary cooperative agreements with landowners to achieve minimum flows (*Action 4*)

Emergency Funding for Drinking Water Systems

State Water Board issues the first grants to aid communities with drinking water systems impacted by drought. By summer's end, over \$13 M was granted (*Actions 2, 5, 7*)

July

State Consolidates Water Quality Programs

Effective July 1, Drinking Water Program is relocated from CDPH to State Water Board; consolidating major water quality programs within the Board allows State to better manage/protect water resources and ensure safe drinking water for Californians (*Actions 2, 7, 9*)

State Adopts Emergency Conservation Regulation

State Water Board approves emergency regulation to ensure urban water agencies and their customers increase water conservation or face possible fines/other enforcement (*Actions 1, 5*)

New Grant Program will Restore Wetlands and Reduce Carbon

CDFW releases grant solicitation for wetland restoration projects to be awarded in 2015; projects will sequester greenhouse gas/carbon, restore critical wildlife habitats, and aid water supply objectives (*Action 4*)

September

Water Year 2014
ends as California's
4th driest

Landmark Groundwater Legislation Passes

The Legislature passes, and the Governor signs, historic groundwater policy reform that paves the way for sustainable groundwater management across the state. Emphasis is on local control, coordinated basin management, and limited but effective state involvement (*Action 6*)



Families without Drinking Water Get Relief

Governor issues order making funding available through the California Disaster Assistance Act to provide water for drinking and sanitation to households currently without running water (*Actions 5, 7*)

November

Voters Approve Water Bond (Proposition 1)

An unprecedented 64% of California voters approve a \$7.5 billion water bond, designed to help implement the Action Plan's broad range of actions

Agency Coordination Promotes Efficiency on Delta Solutions

Delta Stewardship Council (DSC) convenes the second Delta Plan Interagency Coordinating Committee meeting, focusing on advancing Delta science, cross-agency collaboration, and Action Plan implementation (*Actions 3, 4*)

State Publishes Report on Drought Impacts to Groundwater

DWR publishes report identifying areas where drought has significantly impacted groundwater resources (*Actions 5, 6, 7*)

February

State Closes Rivers to Fishing

The CA Fish & Game Commission takes unprecedented emergency action to close waters to fishing to protect native fish from low water flows in waterways significantly impacted by drought (*Actions 4, 5*)



State Addresses Fisheries Crisis

CDFW begins coordinating with federal agencies and commercial fishing industry, leading to State-led trucking of 30M fish to the SF Bay (*Actions 4, 5, 9*)

April

Governor Orders Redoubling of Drought Efforts

Governor issues Executive Order to redouble state response to drought. Aims to increase water management flexibility for state/local water managers and regulatory entities and provide conservation incentives (*Actions 1, 5*)

State Publishes Groundwater Shortages Report

DWR publishes report identifying groundwater basins in the state with potential groundwater shortages and gaps in groundwater monitoring (*Actions 5, 6, 7*)

June

Final State Budget Funds Action Plan and Drought Relief

Final 2014/15 State Budget provides an additional \$100M+ in funding priorities for the Action Plan and helps lay solid fiscal foundation for implementing near-term actions, including money for water supply assessments, local technical assistance, water rights enforcement, and fish habitat restoration (*Actions 1, 2, 4, 5*)

Delta Communities Receive Flood Emergency Response Funds

DWR awards \$5M in grants to flood control agencies in the Delta to prepare for flood emergencies (*Action 8*)

State Prioritizes Groundwater Basins

DWR releases statewide ranking of 515 groundwater basins in the state collectively producing greater than 90% of California's annual groundwater; 127 basins ranked high and medium priority (orange/yellow on map) (*Action 6*)

State Eases Path to Recycled Water Use

State Water Board adopted a new General Order allowing the regional boards to streamline the permitting of recycled water uses, including agricultural and landscape irrigation, dust control, and some industrial processes (*Actions 2, 9*)

August

Grants Promote Water Desalination

DWR awards a total of \$8.7M in grants to eight water desalination projects throughout the state focusing on construction, research, feasibility and/or demonstration (*Actions 1, 2, 5*)

Legislature Approves New Water Bond

The Legislature and the Governor negotiate and approve AB 1471 (Rendon), a \$7.5 billion water bond slated for the November Ballot (*Actions 1-8*)



October

State Publishes California Water Plan Update

DWR, on behalf of the State, publishes the 2013 update of the *California Water Plan* (Bulletin 160), continuing the legacy that began with the 1957 Bulletin 3- California Water Plan. This update includes vital information on the State's water conditions, including groundwater and flooding (*All actions*)

Grants Aid California Farmers

CDFA awards \$3.6M in Greenhouse Gas Reduction funds for 93 projects to implement on-farm irrigation systems that use less water and energy and reduce greenhouse gas (*Actions 1, 5*)

Expedited Grants Increase Regional Self Reliance

DWR announces \$221M in grants to regions (incl. disadvantaged communities) to implement over 100 near-term drought relief projects, leveraging more than \$3 local per \$1 state funds. Shortest grant process in history of IRWM program (*Actions 2, 5*)

December

Grant Program Encourages Water-Energy Efficiency

DWR receives 96 applications requesting \$142M in Greenhouse Gas Reduction Funds for the 2014 Water-Energy Grant Program, well in excess of the \$19M available. Awards will be made in 2015 (*Actions 1, 2, 5*)

State Continues Collaboration with Tribes

California Tribes and state resource agencies finish a year of monthly consultation and coordination meetings about drought response, conservation programs, and impacts on cultural resources (*Actions 2, 5*)

Figure 1: 2014 Highlights

March

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Low Interest Loans for Water Recycling

State Water Board makes available \$800M in low-interest loan funds to increase water recycling and provide alternative drought-proof supply for communities (*Actions 1, 2, 5, 7*)

May

Save Our State

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Work Better

DSC released inter-agency State inventory with the

State Co

State Water Board flow regulation in 3 Sacramento coordination cooperative achieve

Emergency Water Supply

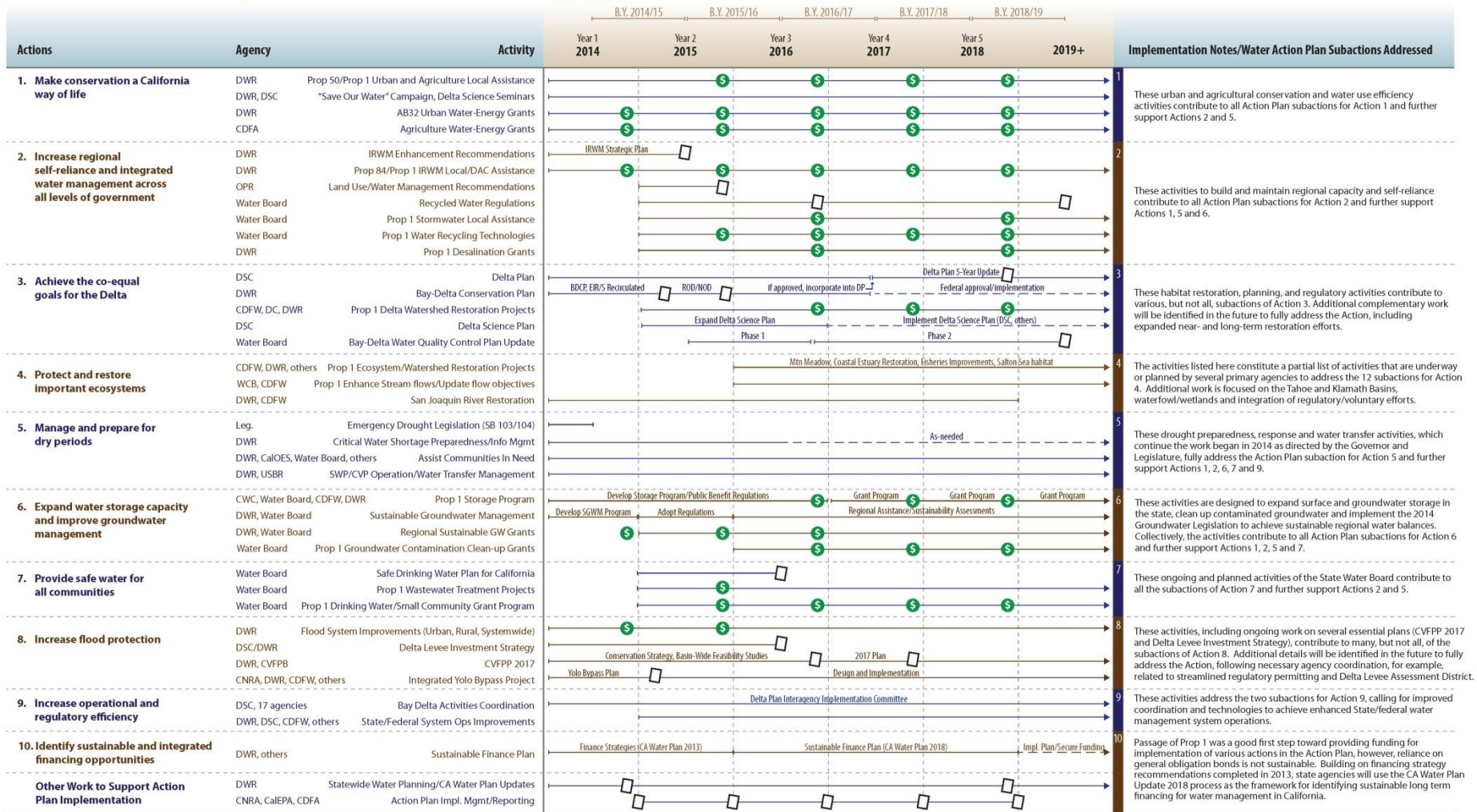
State Water Board aid communities impacted \$13 M wa

2014 saw a diverse range of accomplishments by many state agencies

Next 4 Years: Roles and Schedule

Implementing the
California Water Action Plan

Figure 2: Schedule of Activities and Agency Roles



Agency Acronyms
DWR—California Department of Water Resources
DSC—Delta Stewardship Council
CDFA—California Department of Food and Agriculture
DC—Delta Conservancy

OPR—Governor's Office of Planning and Research
WCB—State Water Resources Control Board
DSC—Delta Stewardship Council
CDFA—California Department of Food and Agriculture
DC—Delta Conservancy

CalOES—California Office of Emergency Services
CWC—California Water Commission
CNRA—California Natural Resources Agency
CVFPP—Central Valley Flood Protection Board
CalEPA—California Environmental Protection Agency

\$ grant awards
□ deliverables

Note: This is an estimated schedule for informational purposes with selected major/representative ongoing and planned activities shown. It is subject to change based on 2015 Budget Act, Prop 1 appropriations and other Legislative directives.

DWR and State Water Board have prominent roles in developing regulations, providing grants and local assistance

Implementing the
California Water Action Plan

Figure 2: Schedule of Activities and Agency Roles



California Water Action Plan Actions	Estimated Costs Year 2 (FY 15-16)				Estimated Costs Year 3-5 (FYs 16-17 thru 18-19)
	GF*	Prop 1*	Other Funds**	Total***	
Action 1: Make conservation a California way of life	\$0.7	\$23.2	\$20.0	\$43.9	\$140-150
Action 2: Increase regional self-reliance and integrated water management across all levels of government	\$15.9	\$170.4	\$2.5	\$188.8	\$1,080-1,100
Action 3: Achieve the co-equal goals for the Delta	\$2.9	\$0.0	\$90.5	\$93.4	\$290-300
Action 4: Protect and restore important ecosystems	\$3.5	\$178	\$58.4	\$239.9	\$860-890
Action 5: Manage and prepare for dry periods	\$20	\$0.0	\$0.0	\$20	\$7-8
Action 6: Expand water storage capacity and improve groundwater management	\$6.3	\$25.2	\$23.3	\$54.8	\$1,400-1,500
Action 7: Provide safe water for all communities	\$0.0	\$0.0	\$Un-determined	\$Un-determined	\$Un-determined
Action 8: Increase flood protection	\$0.0	\$0.0	\$1,095.8	\$1,095.8	\$900-1,000
Action 9: Increase operational and regulatory efficiency	\$15.5	\$0.0	\$0.0	\$15.5	\$18-20
Action 10: Identify sustainable and integrated financing opportunities	\$0.0	\$0.0	\$0.0	\$0.0	\$9-10
Total	\$64.7	\$396.8	\$1,290.5	\$1,752	\$4,600-4,900

Implementation Costs

Year 2 (FY 2015-16):
Proposed State Budget includes \$1.8B

Years 3-5: estimated \$5B+
Funding sources:

Prop 1 (\$400M), General Fund, Other revenues; local and federal cost share will be essential





California Water Action Plan

Action 5: Manage and Prepare for Dry Periods



Drought: State on Verge of 4th Dry Year



Snow Water Content

February 4, 2015

Statewide % of
April 1 Average: 14%
% normal for this date:
21%

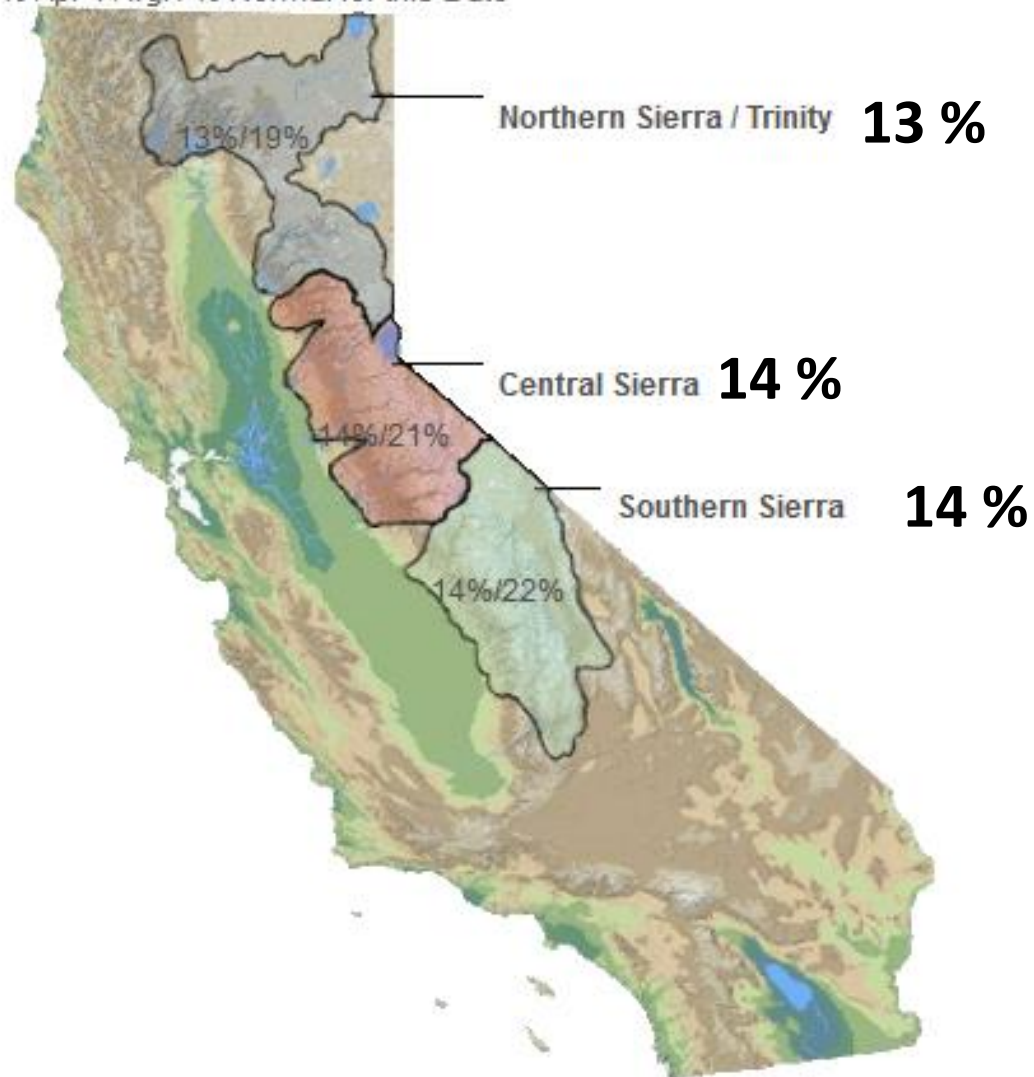


→ Snow Water Equivalents (inches)

Provided by the California Cooperative Snow Surveys

Data For: 04-Feb-2015

% Apr 1 Avg. / % Normal for this Date



Sierra Nevada Snowpack

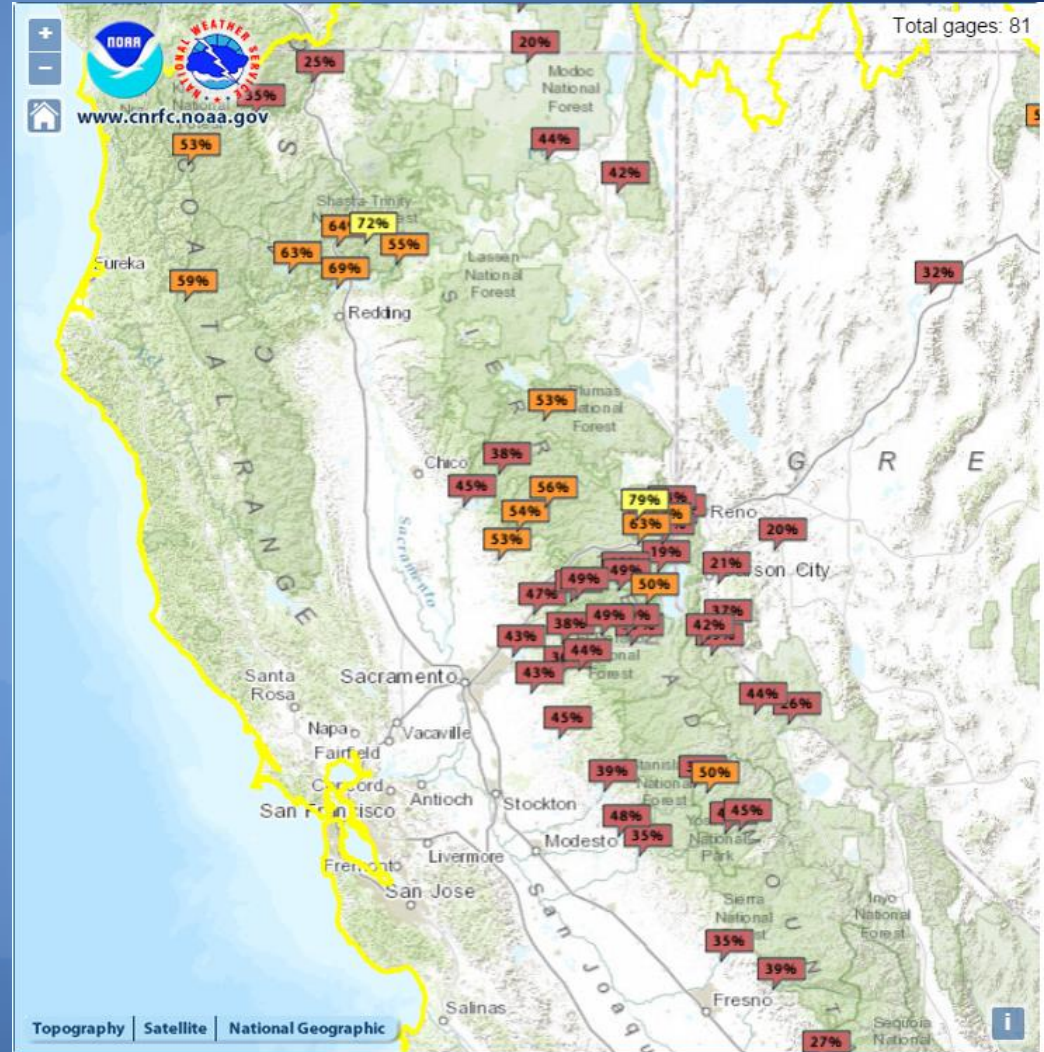
Year to Year Comparisons



Water Supply

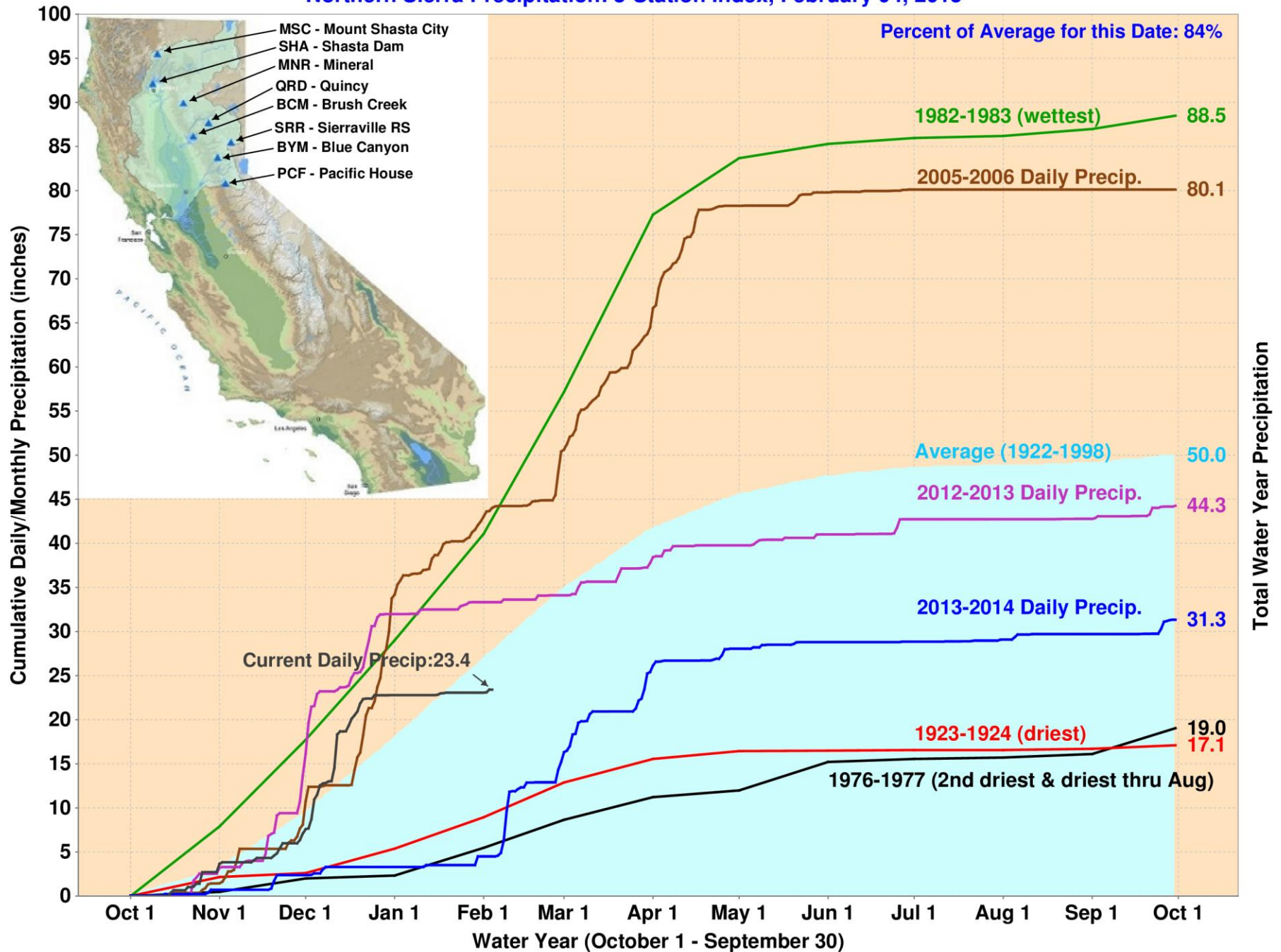
Decreased Snowpack → Decreased Water Supply

- **Northern CA**
20-72% of normal
- **Northern Sierra**
38-70% of normal
- **Southern Sierra**
19-50% of normal

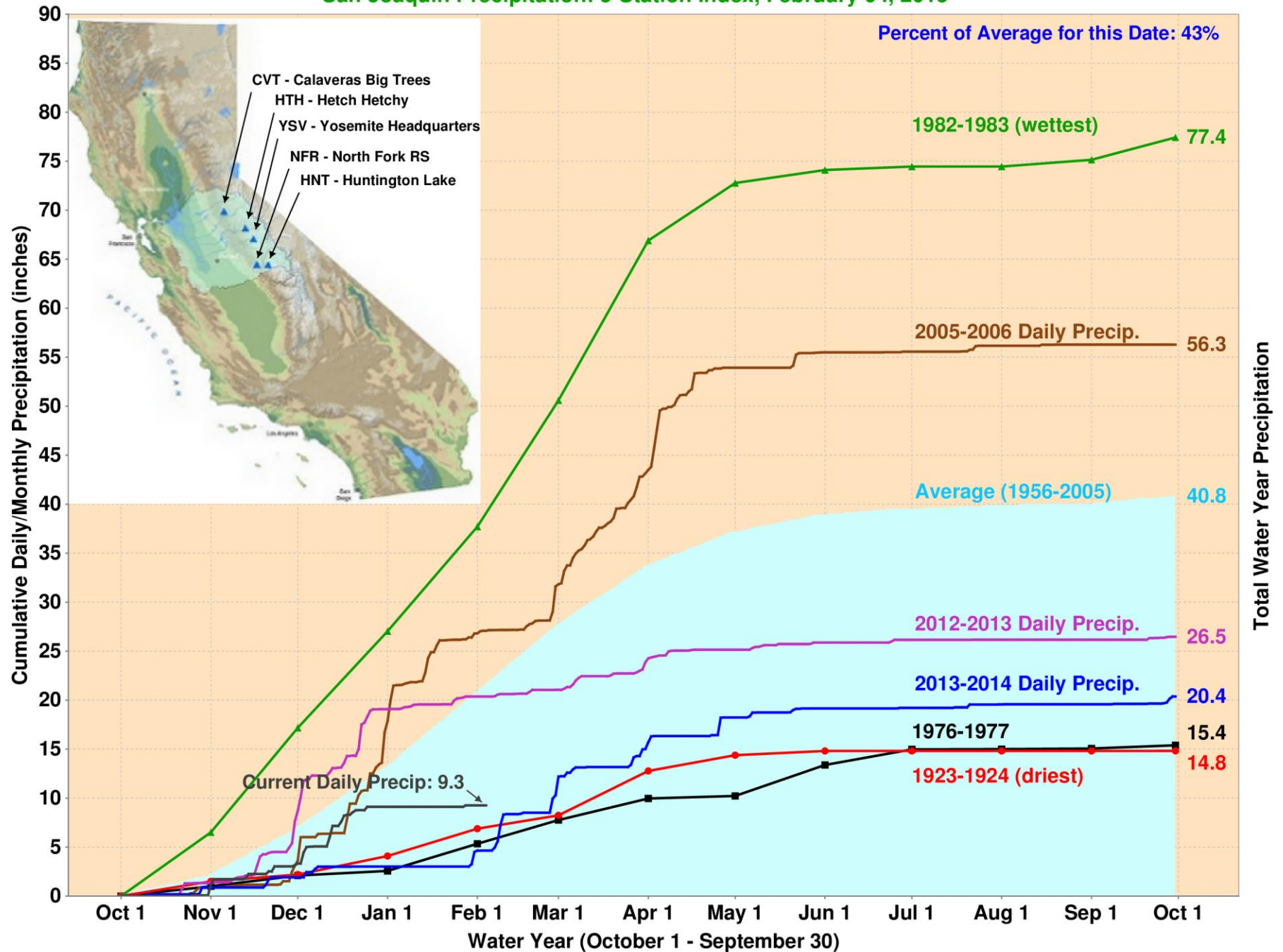


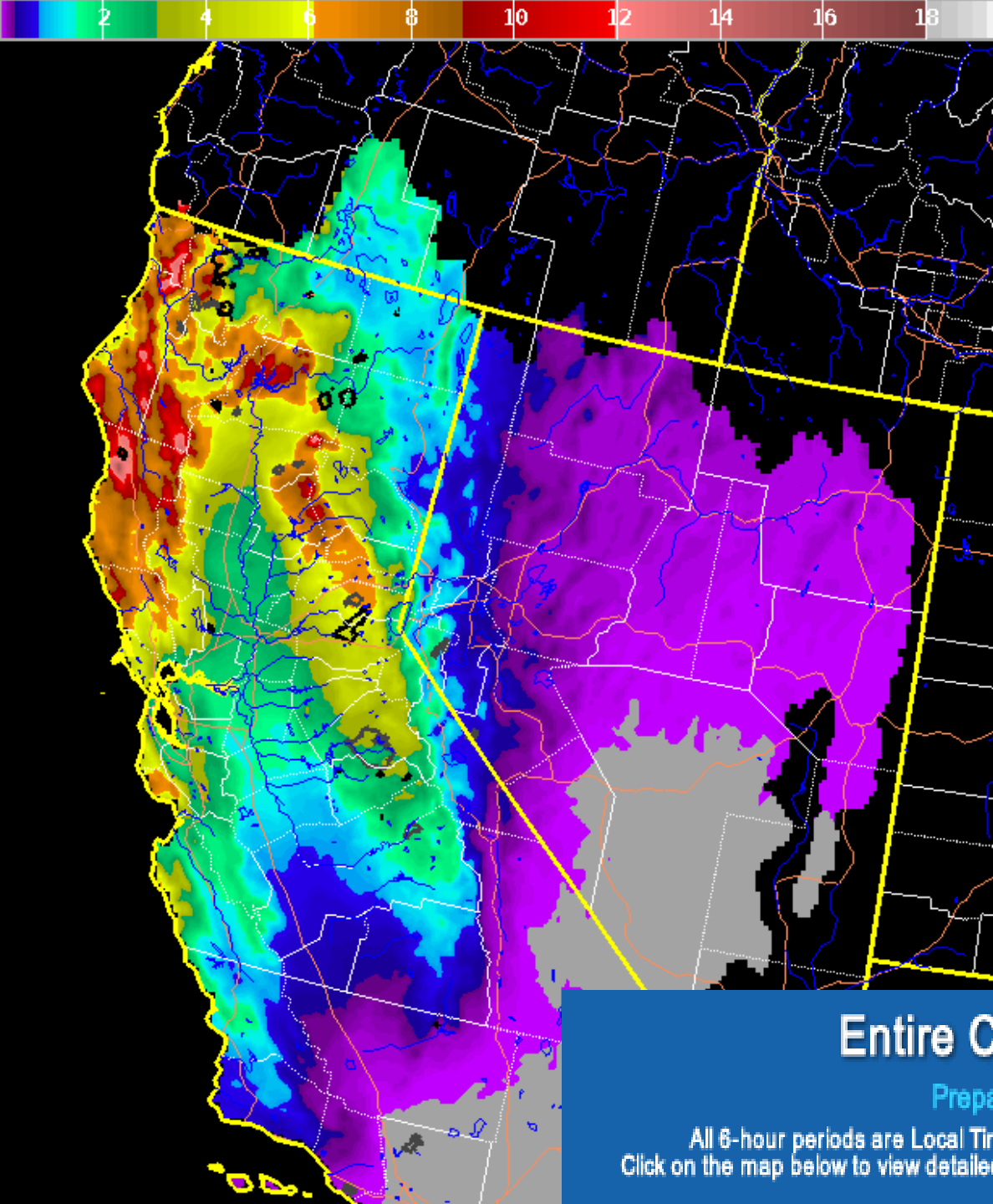
Created: Fri Jan 30 2015 at 3:09 PM PST

Northern Sierra Precipitation: 8-Station Index, February 04, 2015



San Joaquin Precipitation: 5-Station Index, February 04, 2015





5-Day Forecast
Ending Mon
2/9/15

Entire CNRFC Area QPF

Prepared by CNRFC HAS

All 6-hour periods are Local Time and days are 4am-4am PST (5am-5am PDT).
Click on the map below to view detailed QPF within each WFO area of hydrologic responsibility.

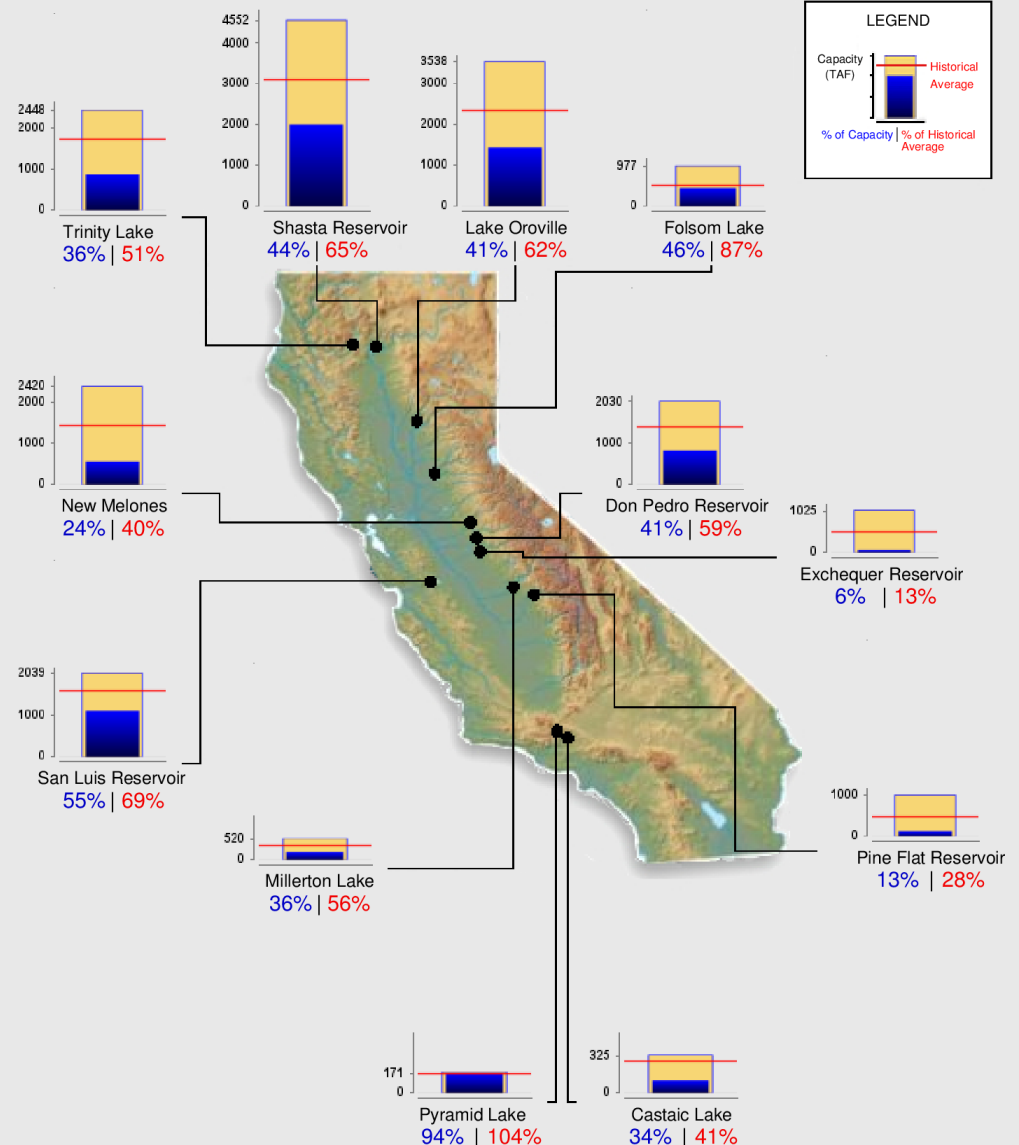
CA Reservoir Storage

February 3, 2015



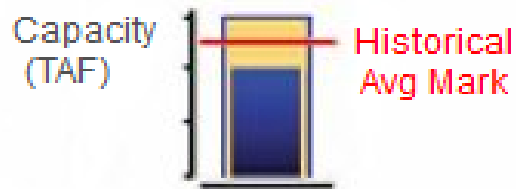
Ending At Midnight - February 3, 2015

CURRENT RESERVOIR CONDITIONS



LEGEND

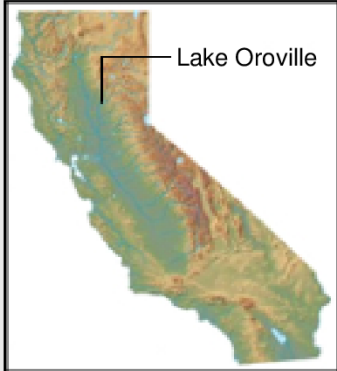
Blue Bar: Storage level for date
Gold Bar: Total reservoir capacity.
Red Line: Historic level for date.



% of Capacity | % Historical Avg
 (Click reservoir name for details)

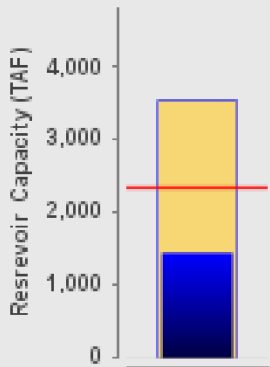


Reservoir Conditions - Lake Oroville



Lake Oroville Conditions

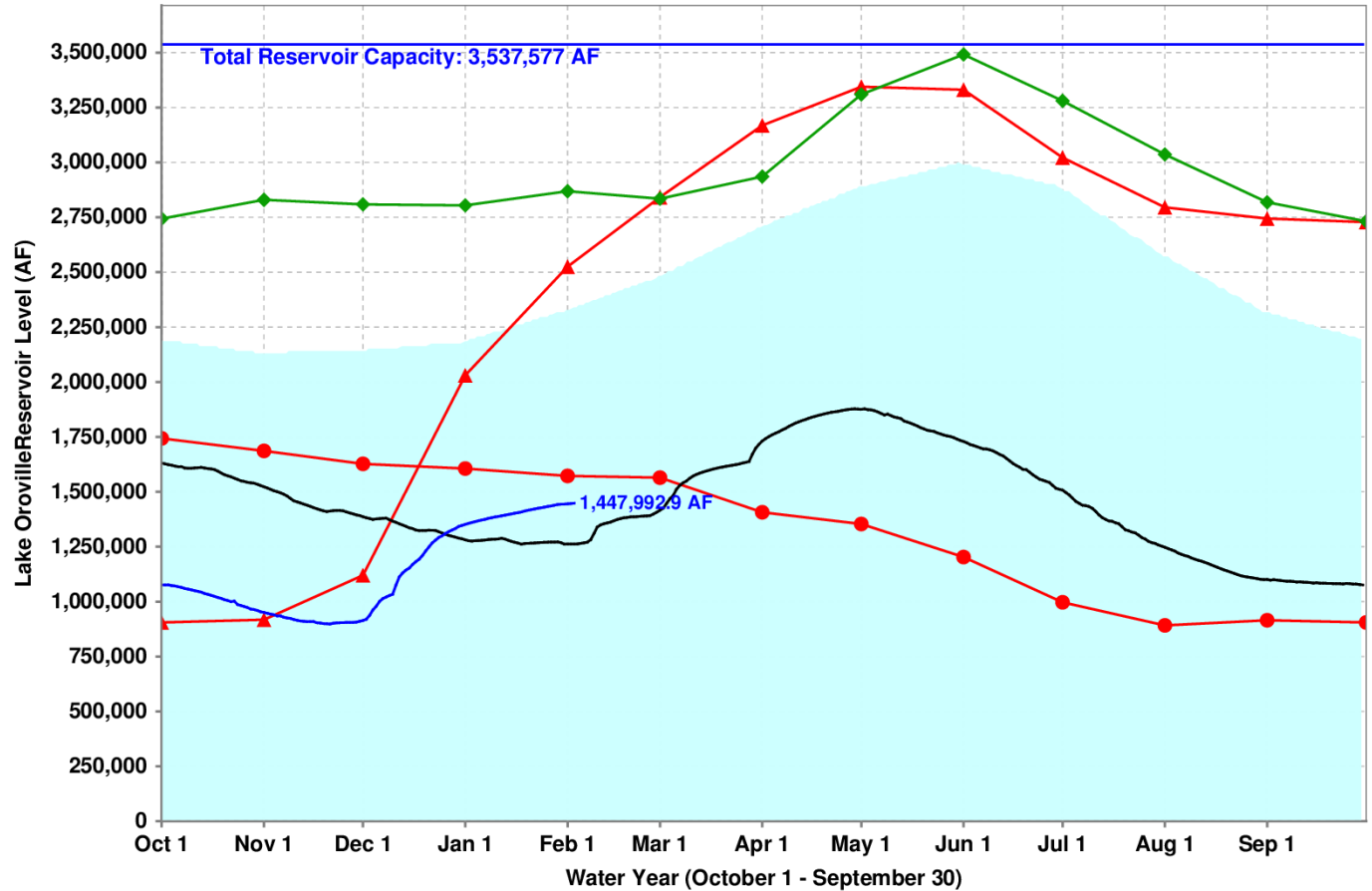
(as of Midnight - February 3, 2015)



Current Level: 1,447,992.9 AF

41% (Total Capacity) | 62% (Historical Avg.)

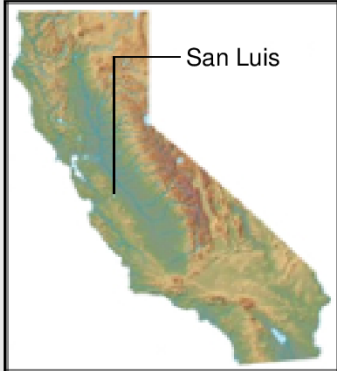
Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 3, 2015



Historical Average Total Reservoir Capacity 1976-1977 (Driest) 1977-1978 1982-1983 (Wettest) 2013-2014
Current: 2014-2015

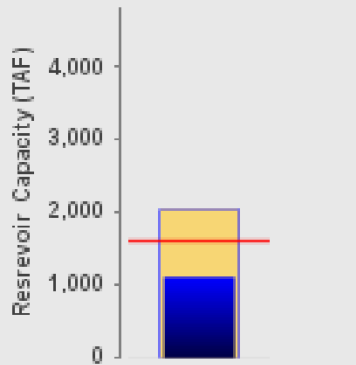


Reservoir Conditions - San Luis



San Luis Conditions

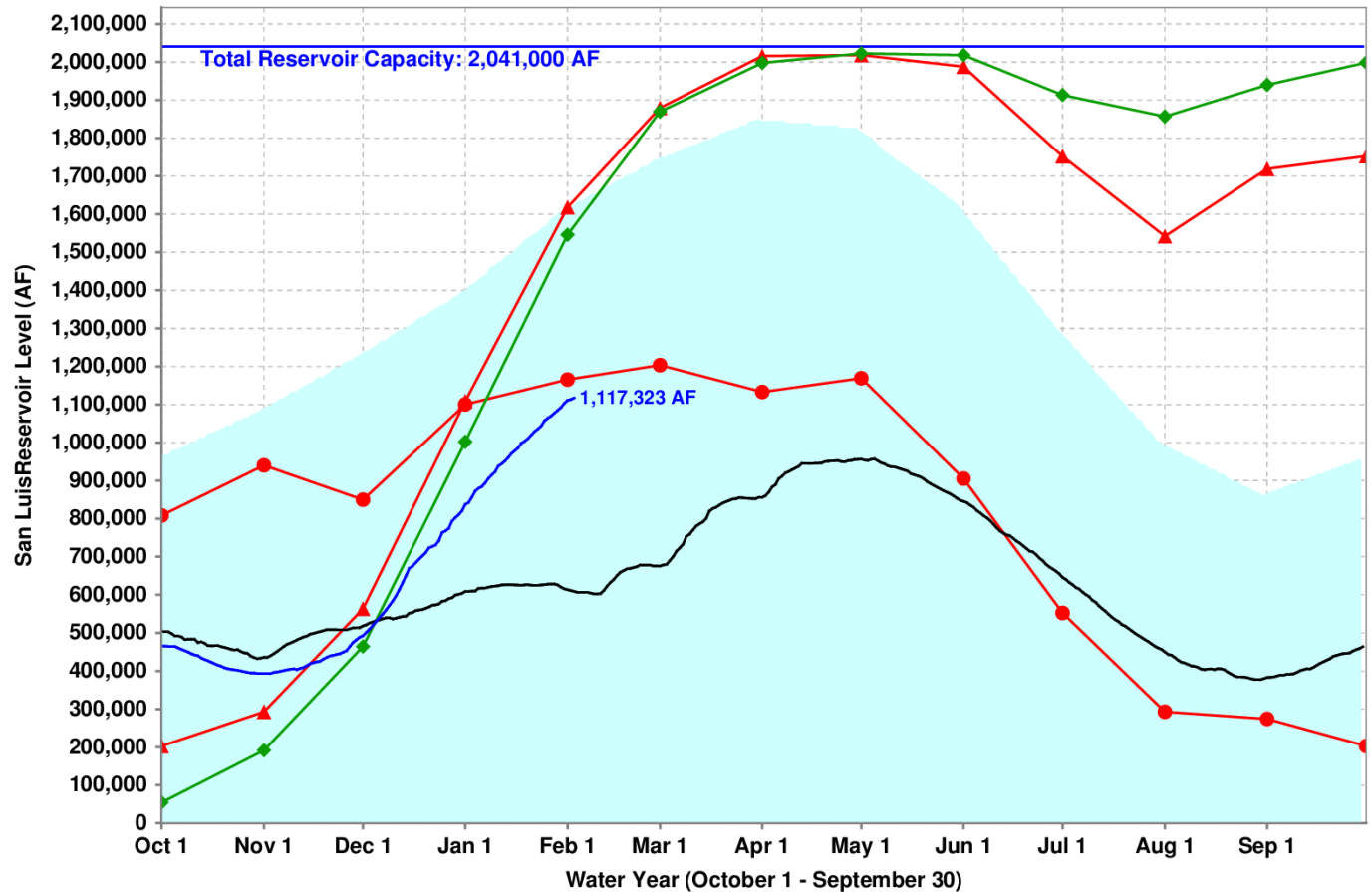
(as of Midnight - February 3, 2015)



Current Level: 1,117,323 AF

55% (Total Capacity) | 69% (Historical Avg.)

San Luis Levels: Various Past Water Years and Current Water Year, Ending At Midnight February 3, 2015



Historical Average Total Reservoir Capacity 1976-1977 (Driest) 1977-1978 1982-1983 (Wettest) 2013-2014

Current: 2014-2015

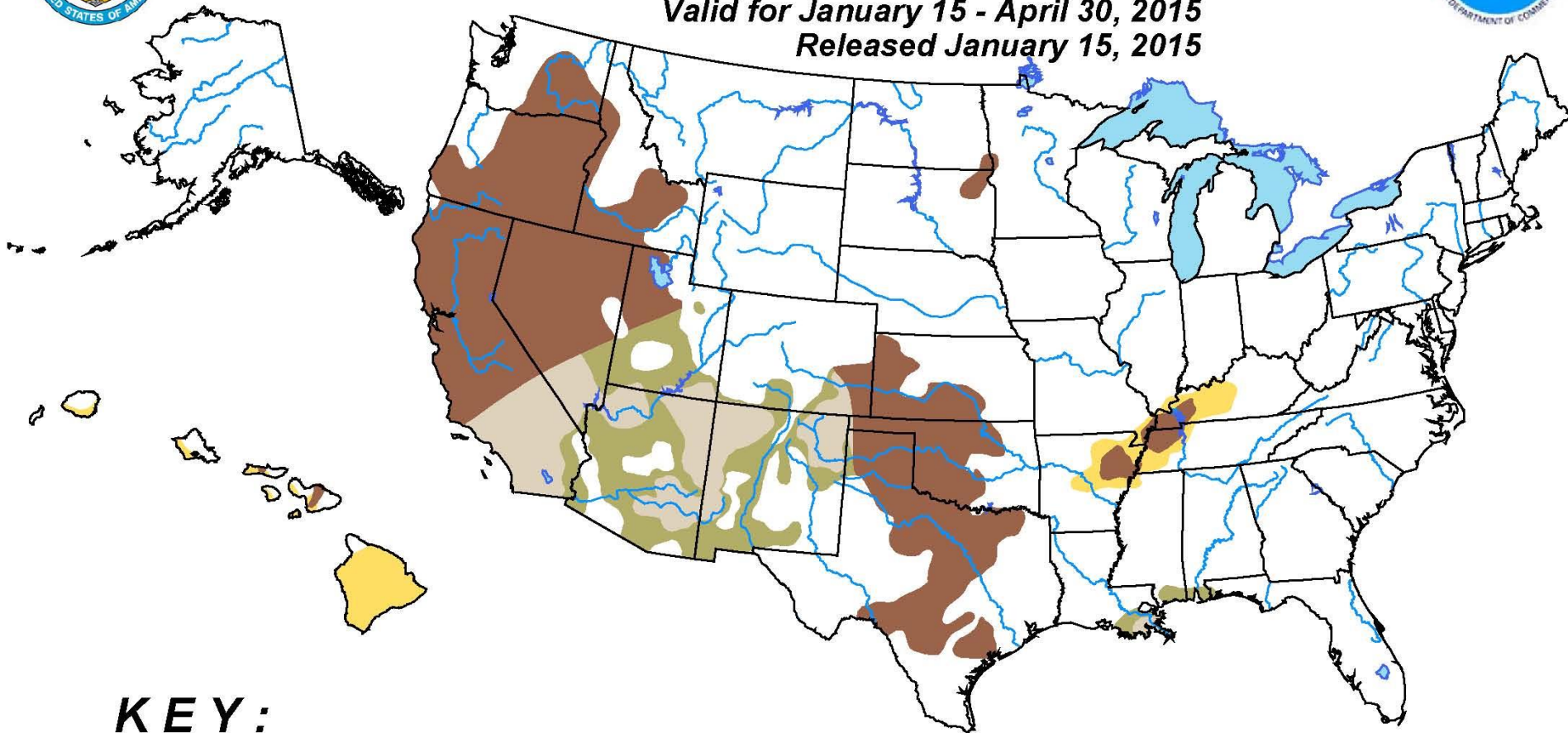


U.S. Seasonal Drought Outlook





Drought Tendency During the Valid Period

Valid for January 15 - April 30, 2015

Released January 15, 2015



KEY:

-  Drought persists or intensifies
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely

Author: David Miskus, Climate Prediction Center, NOAA

http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.html

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor.

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period although drought will remain. The green areas imply drought removal by the end of the period (D0 or none)

Drought Outlook

- Forecast: persist or worsen through April 2015 across northern CA and NV
- Some improvement expected as a result of seasonal precipitation & odds toward El Niño



Some Drought Impacts

- Importance of winter snows to fill reservoirs & water conservation to reduce demand
- State Water Project Allocation for 2014: 5% (2015 proposed allocation: 15%)
- 1,763 dry wells reported, likely only the tip of the iceberg
- Water Hauling to Small Communities and Individuals
- Surface Water Curtailment (Urban, Power, Ag, Enviro)
- Increased Water Costs
- Continued stress on ecosystem/water quality
- Early start to fire season



Possible Drought Actions for 2015

- Mandatory Conservation (State Water Board)
- Increased Conservation Reporting (State Water Board)
- State Water Board (Water Diversion) Curtailments
- Increased Groundwater Use
- Increased Real-time Data and Information
- IRWM Funding - Final Prop 84 Round (\$220M)
- Water / Energy Grants (\$20M)
- Small Project Emergency Funding



Possible Drought Actions for 2015

State and Federal Projects

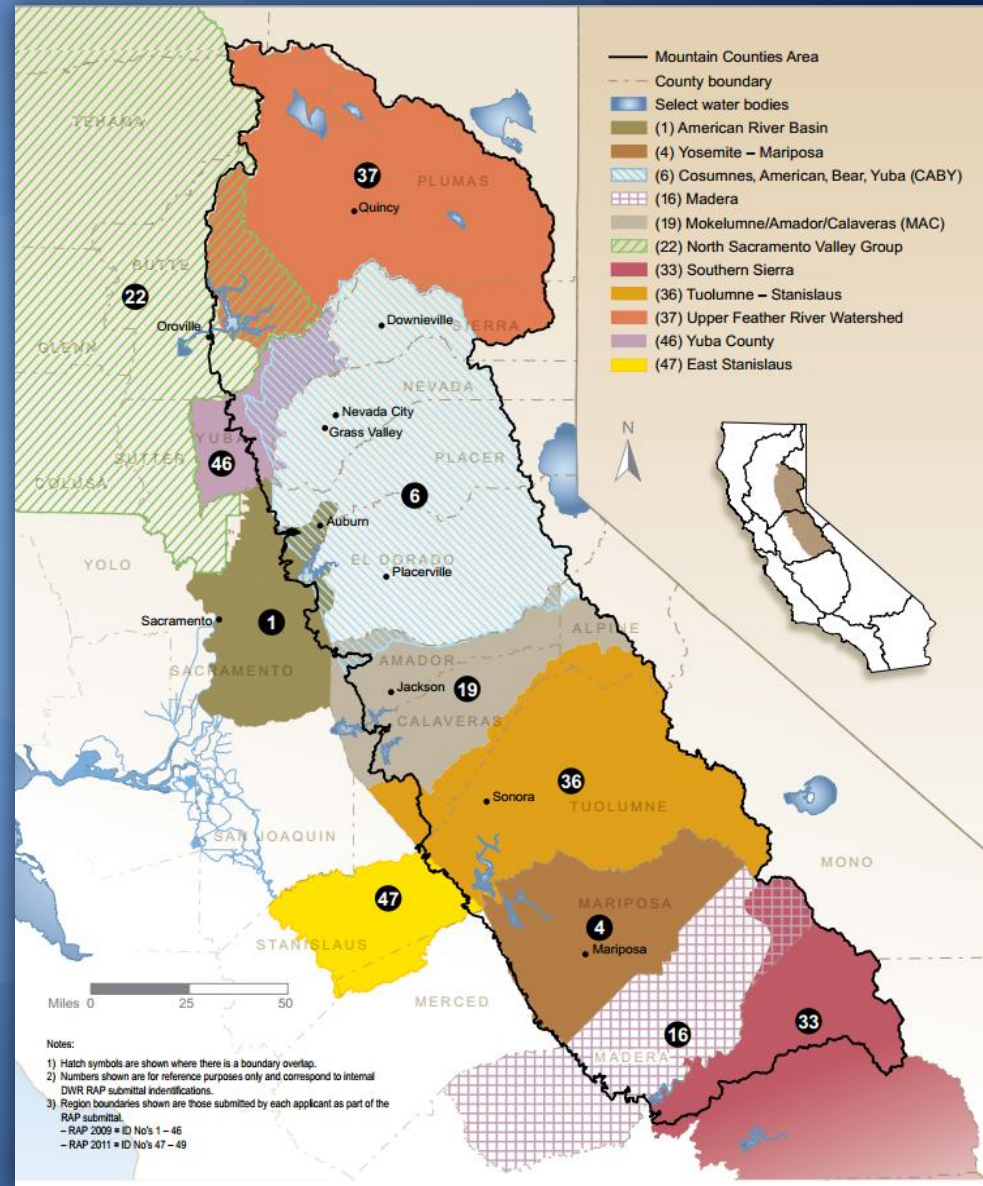
- Real Time Department Operations Team Management Team
- Modified Delta Flow/Salinity Standards (State Water Board Temporary Urgency Change Petitions)
- Drought Contingency Plan - Jan 15, 2015
- Delta Contingency Plan
- Minimal Project Deliveries





California Water Action Plan

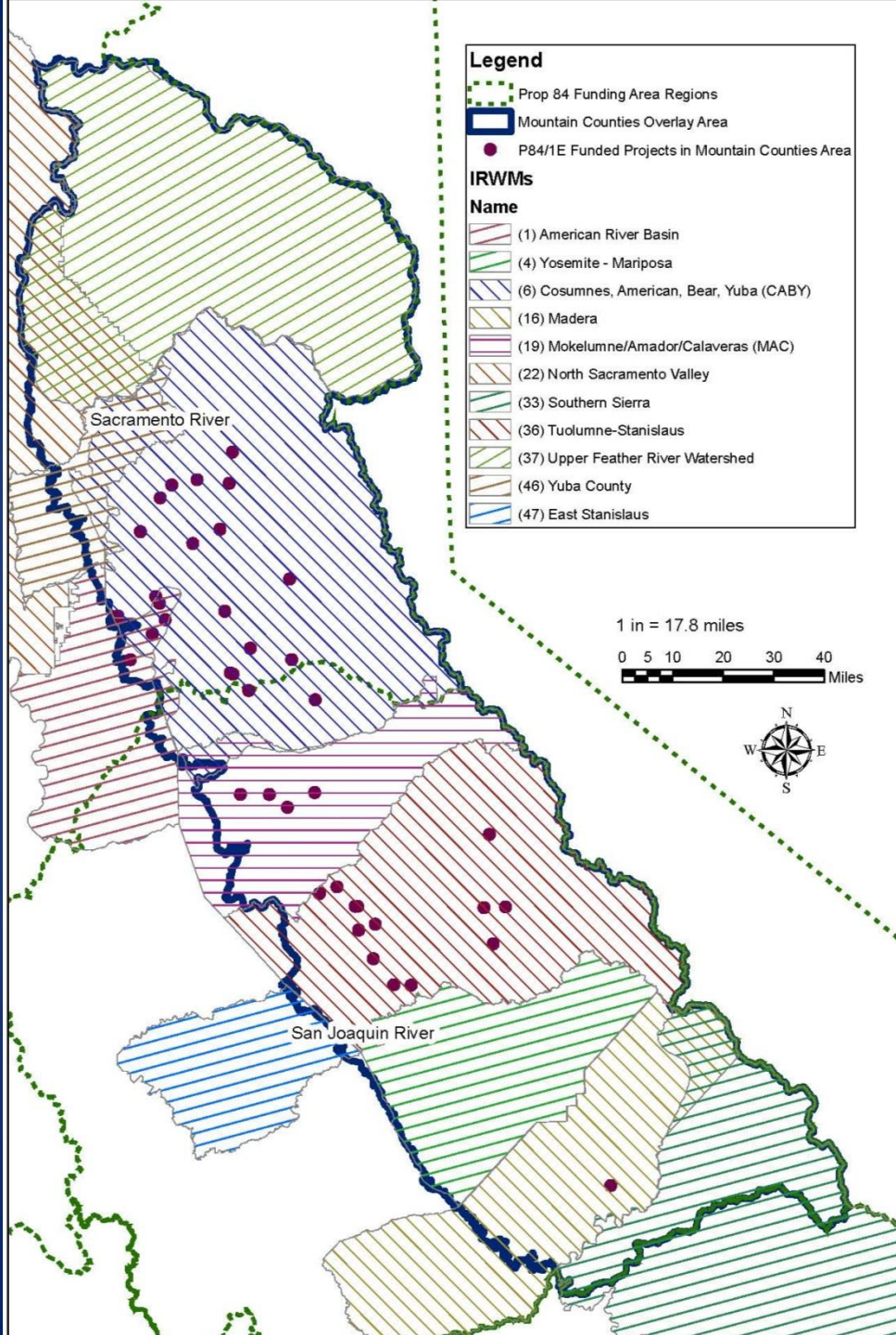
Action 2: Increase Regional Self Reliance and Integrated Water Management Across All Levels of Government



Financial Incentives for Building Regional Capacity

IRWM groups in the Mountain County overlay area have been awarded \$51M for implementation projects to date (including \$23M in drought funding)

Prop 84 & 1E



Strategic Plan for the Future of IRWM in California

The Plan will outline strategies measures to meet these desired outcomes:

- Improved Alignment
- Improved Services
- Strengthened Practice
- Recognized Value
- Stable Investments

"The Strategic Plan for the Future of IRWM in California is critical for ensuring the continued advancement of sustainable water resources management."

- Mark Cowin, DWR

Spring 2015



Integrated Water Management

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

Public Safety

- Reduce flood risk Statewide
- Provide safe drinking water
- Improve water quality for fisheries and recreation

Environmental Stewardship

- Enhance Bay-Delta ecosystem
- Restore terrestrial and aquatic habitats
- Improve watershed management
- Raise awareness and increase stewardship

Economic Stability

- Enhance State economic output
- Contribute to job creation and security
- Promote food production security
- Provide stable funding for infrastructure

California Water Action Plan

Action 4: Protect and Restore Important Ecosystems



Protect and Restore Important Ecosystems

Forest related watershed management efforts

- Inter-agency group is convening to focus on landscape-level forest management and restoration efforts
- **Agencies:** Sierra Nevada Conservancy, Governor's Office, CalFIRE, Resources Agency, Wildlife Conservation Board, and Dept of Fish and Wildlife
- **Goal:** identify and collaborate on landscape level forest management and restoration projects that result in more resilient forests and restore forest health through ecologically sound management



Protect and Restore Important Ecosystems

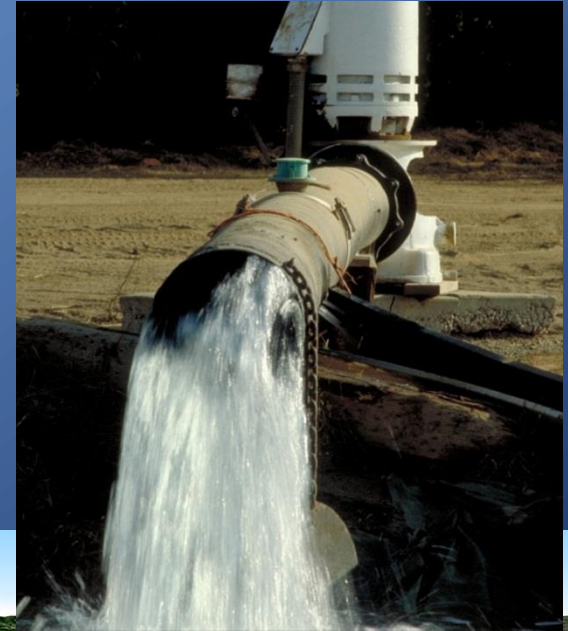
Enhanced Stream Flow

- Wildlife Conservation Board in consultation with Dept of Fish and Wildlife, State Water Board, and National Fish and Wildlife Foundation is developing high-level strategic framework to serve as a platform for development of competitive grant program
- WCB grant program will support multi-benefit ecosystem watershed protection, water transactions, and restoration projects that will result in enhanced stream flow



California Water Action Plan

Action 6: Expand water storage capacity and improve groundwater management



Storage



FUNDING THE PUBLIC BENEFITS OF WATER STORAGE



With the passage of **Proposition 1** (the Water Bond) the **California Water Commission** is implementing the Governor's Water Action Plan by developing the competitive public process to allocate **\$2.7 billion** in funding for the **public benefits** of water storage projects. The Commission invites your participation as we develop regulations to define methods for the quantification and management of public benefits of water storage projects, and grant program guidelines that will define and guide the process.

Funding available for the public benefits of water storage projects

\$2.7 billion

Projects eligible to receive funding:

- CALFED Surface Storage
- Groundwater Storage and Groundwater Clean-up
- Conjunctive Use and Reservoir Reoperation
- Local and Regional Surface Storage

Benefits that can be funded:

- Ecosystem Improvement
- Water Quality Improvement
- Flood Control
- Emergency Response
- Recreation

Maximum State Cost-Share for **Funded Public Benefits**



50%

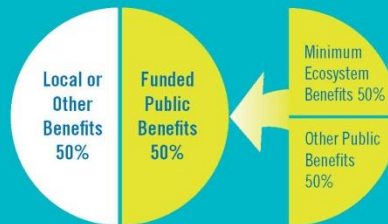
Ecosystem Benefits must be

50%

of the funded public benefits

TOTAL
BENEFITS

**Funded Public
Benefits**



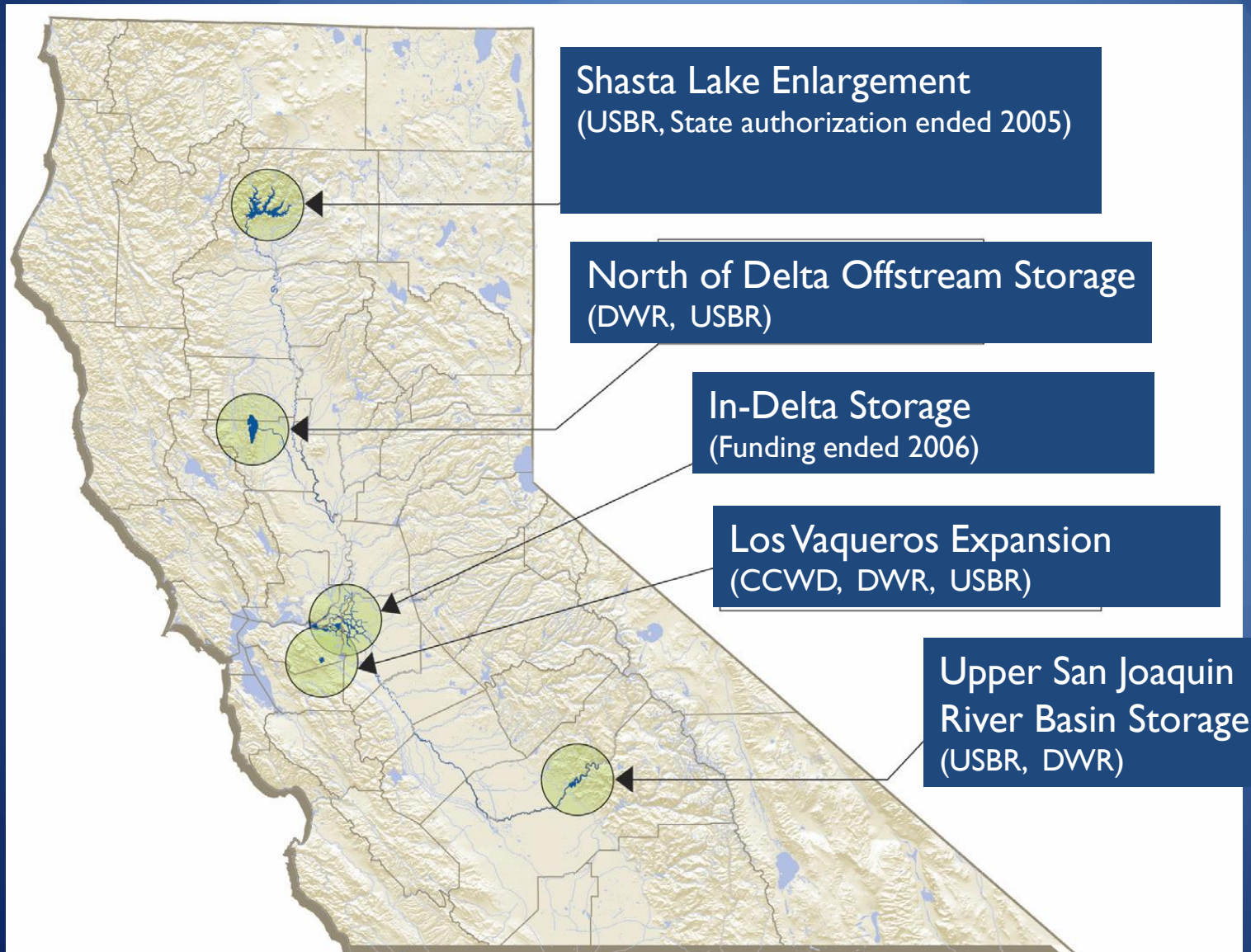
Prop 1 Storage Investment Program

Eligible Projects :

- CALFED Surface Storage
- Groundwater Storage & Clean-up
- Conjunctive Use & Reservoir Reoperation
- Local & Regional Surface Storage



Surface Storage Investigations (2000 CALFED Record of Decision)



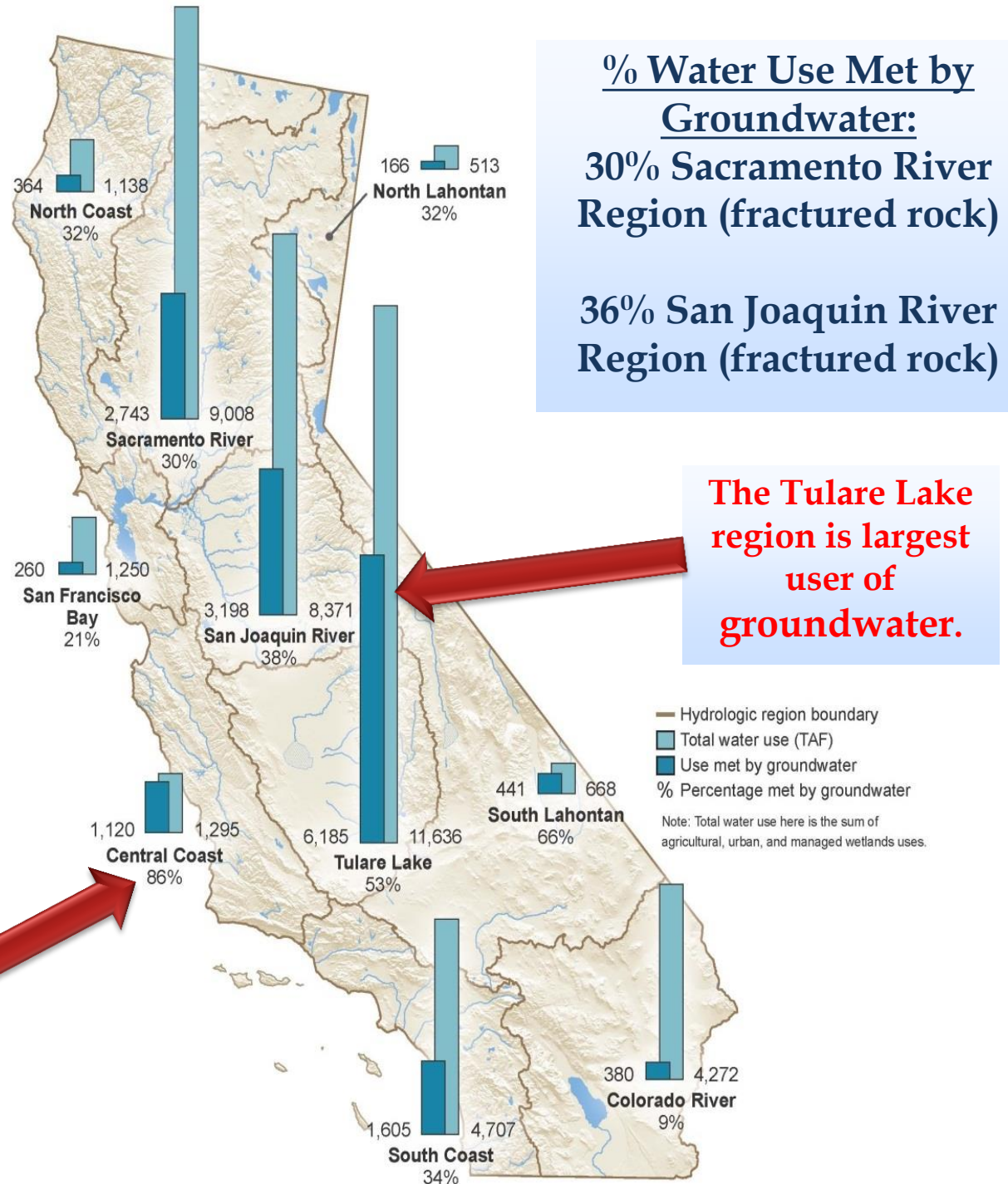
Sustainable Groundwater Management



Ground-water Supply in California

2005-10
Average

The Central Coast region is the most groundwater dependent.

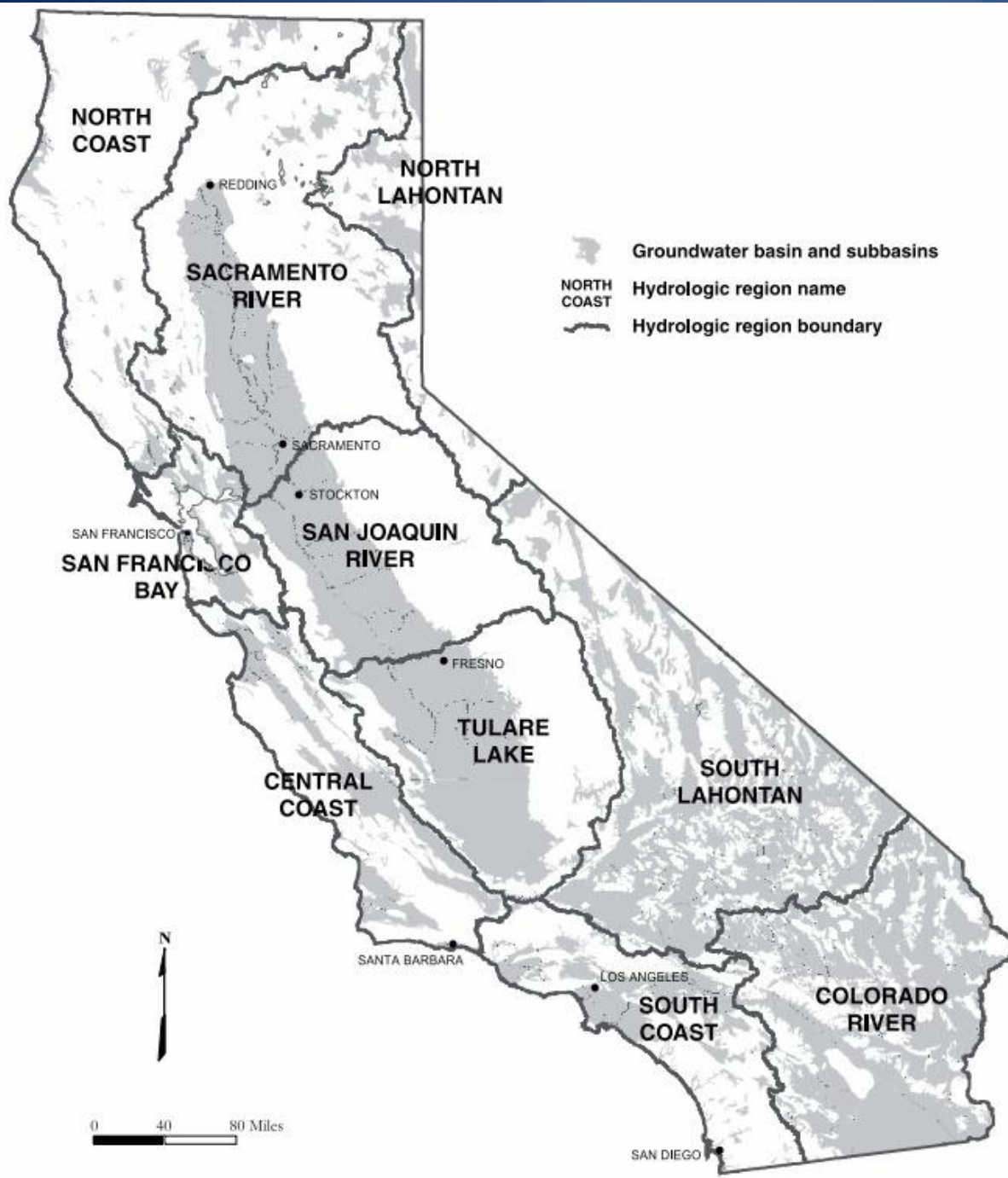


The Sustainable Groundwater Management Act of 2014

- KEY PRINCIPLES

- Groundwater best managed at the local /regional level
- Groundwater needs to be managed sustainably
- Local agencies should have necessary authority & tools
- State assistance and oversight – intervention only when needed

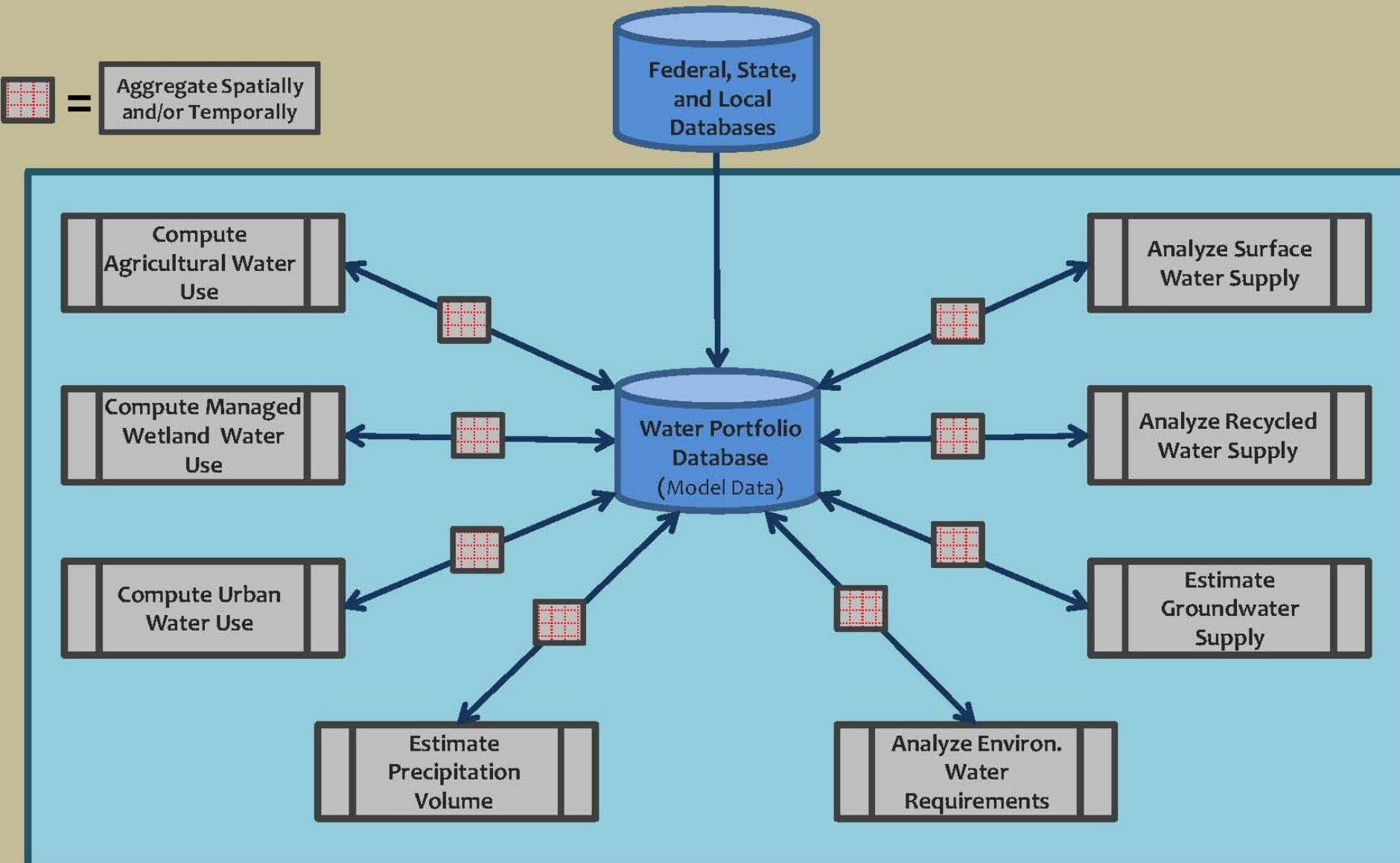




Success will
Depend on
Local Action
*(with State
assistance as
needed)*



Importance of Water Balance



Phases to Implement Groundwater Legislation



California Water Action Plan

Action 10: Identify
Integrated and
Sustainable
Financing
Opportunities



CWP Update 2013: Financing Framework

Table 7-2 State and Local Water Management Revenue Sources

Revenue Source	Appropriate Uses	Feasibility	Key Tradeoffs	Application in California
General Fund	Activities that benefit the general public	Available each year, but subject to competing uses	Funds are limited	A common source of funding
General Obligation Bonds	Projects that benefit the general public	Commonly used	Subject to a vote	Commonly used, but some concern about getting future bonds approved
Revenue Bonds	Projects where a dependable revenue stream is available	A standard method of financing	None	A typical method of financing for local and state projects
User Fees	Projects where direct beneficiaries are easily identified.	Potentially works well with clearly defined beneficiaries, less likely to work for projects with significant public benefits.	Will focus projects to those with local scope which may undermine IWM efforts. May limit state's ability to increase fees and taxes to support other projects.	State Water Project is an excellent example as over 90% of project cost will be repaid by direct beneficiaries (contractors)
Assessment Districts	Can be formed by majority vote but must support local projects that do not provide a "general" public benefit. Water and	The state could coordinate with local agencies to establish	Assessment districts cannot be used to support general public benefits and, as such, will tend to	1911 and 1913/1915 assessment districts are widely used by local

Public Policy Institute of California:

Exploring Range of Funding Sources

	Safe drinking water	Floods	Stormwater	Ecosystems	Integrated management
No close connection to the activity being funded (always a tax)					
State general fund	✓	✓	✓	✓	✓
Local general fund					
Broad special taxes (state, regional, local)		✓	✓	✓	✓
Some connection to the activity being funded (fee or tax, depending on specifics)					
Water use surcharge	✓	X	✓	✓	✓
Chemicals surcharge (e.g., fertilizers, pesticides)	✓	X	✓		X
Road use surcharge (e.g., fuels, vehicle licenses)	X	X	✓		X
Hydropower surcharge	X	X	X	✓	X
A close connection to the activity being funded (always a fee)					
Property assessment or fee	X	✓	✓		X
Developer fee	X	✓	✓	✓	X

X

= lack of connection



= commonly used source



= new (or mostly new) source

General Obligation Bonds

Proposition 1 and Remaining Bonds

- Prop 84: \$220M Final Round – solicitation to begin 2015
- Prop 1E: \$1.2B remaining; expected to be committed by 2017
- Prop 1: \$7.5B over 10+ years; \$432M in Proposed State Budget for FY 15-16



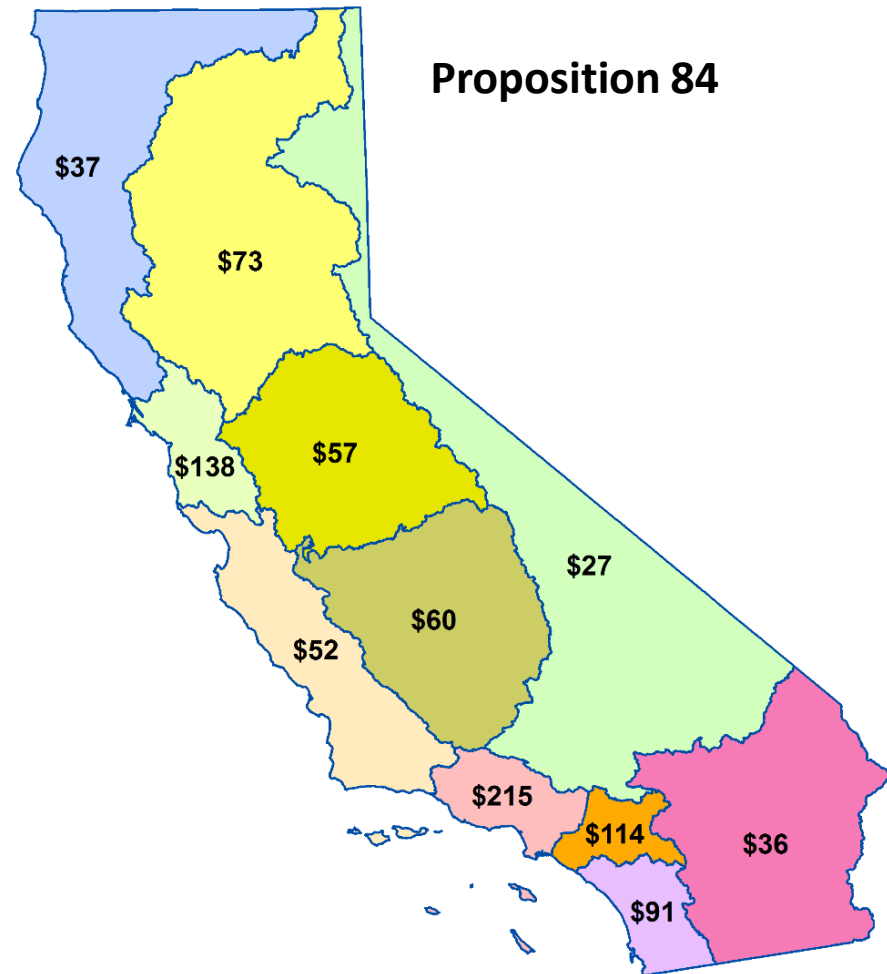
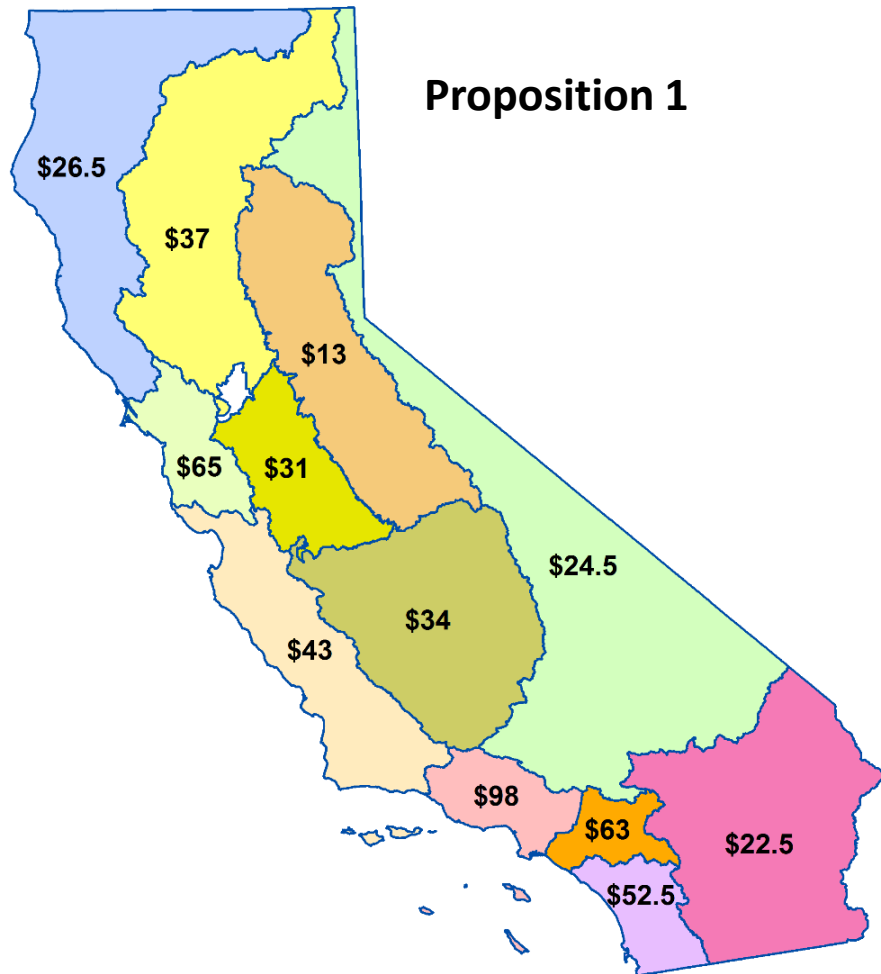
2014 Water Bond (Proposition 1)

Use of Bond Funds	Amount (Millions)
Clean and Safe Drinking Water	\$520
Watershed Protection and Restoration	\$1,495
Regional Water Security	\$810
Statewide System Operation	\$2,700
Water Recycling	\$725
Groundwater Sustainability	\$900
Flood Protection	\$395
Total	\$7,545

- ✓ The Water Quality, Supply, and Infrastructure Improvement Act of 2014
- ✓ \$7.545 billion available to the state's 10 hydrologic regions, as well as funds dedicated to conservancies or activities within a certain region.



Comparison of Regional Allocations



DWR Prop 1 Grant Programs

FY 15/16 Budget and Anticipated Schedule

Grant Program	FY 15-16 Budget (\$M)	FY 15-16				FY 16-17							
		2015				2016				2017			
		Jan-Mar	Apr-Je	Jy-Sep	Oct-Dec	Jan-Mar	Apr-Je	Jy-Sep	Oct-Dec	Jan-Mar	Apr-Je	Jy-Sep	Oct-
CWC Storage Investment	\$ 3.3	Stakeholder/Tribal Engagement			Draft Regs to OAL			CEQA doc	Final Regs				
									Draft GL/PSP	Final GL/PSP	Grant Solicitation/Awards		
IRWM - Planning Grants*	\$ 32.8	Pgm Development/ Tribal Consultation		Public Scoping mtgs	Draft GL/PSP		Final GL/PSP		Final Awards		Funding Committed		
IRWM - DAC Involvement and Project Grants	incl above	Pgm Development/ Tribal Consultation		Public Scoping mtgs			Solicit Proposals	Final DAC Involvement Awards		Final DAC Project Awards	Funding Committed		
Groundwater Sustainability Planning Grants - Phase 1**	\$ 21.3	Pgm Development/ Tribal Consultation		Public Scoping mtgs	Draft GL/PSP		Final GL/PSP	Final Awards		Funding Committed			
Water Use Efficiency Grants (Ag/Urban)- Round 1	\$ 23.2			Draft GL/PSP	Final GL/PSP		Final Awards		Funding Committed				
Desalinization Grants - Round 1	\$ 5.5				Draft GL/PSP		Final GL/PSP		Final Awards		Funding Committed		
	\$ 86.1												



Prop 1 Grant Guidelines Requirements

- Written guidelines
 - 30 day posting
 - 3 public meetings
 - Northern, Southern, and Central Valley
- Competitive programs need to include:
 - Well defined solicitation period
 - Clear scoring criteria and evaluation process
 - Professional review team(s)
- Natural Resources Agency consistency review



Proposition 1 IRWM DAC Obligations

- A 50% non-state cost share required,
 - Waived or reduced for projects that directly benefit a DAC or an economically distressed area
- 10% - Projects that directly benefit a DAC
- 10% - Ensure involvement of DACs, economically distressed areas, or underrepresented communities within regions
 - Either direct expenditure or non-competitive grants

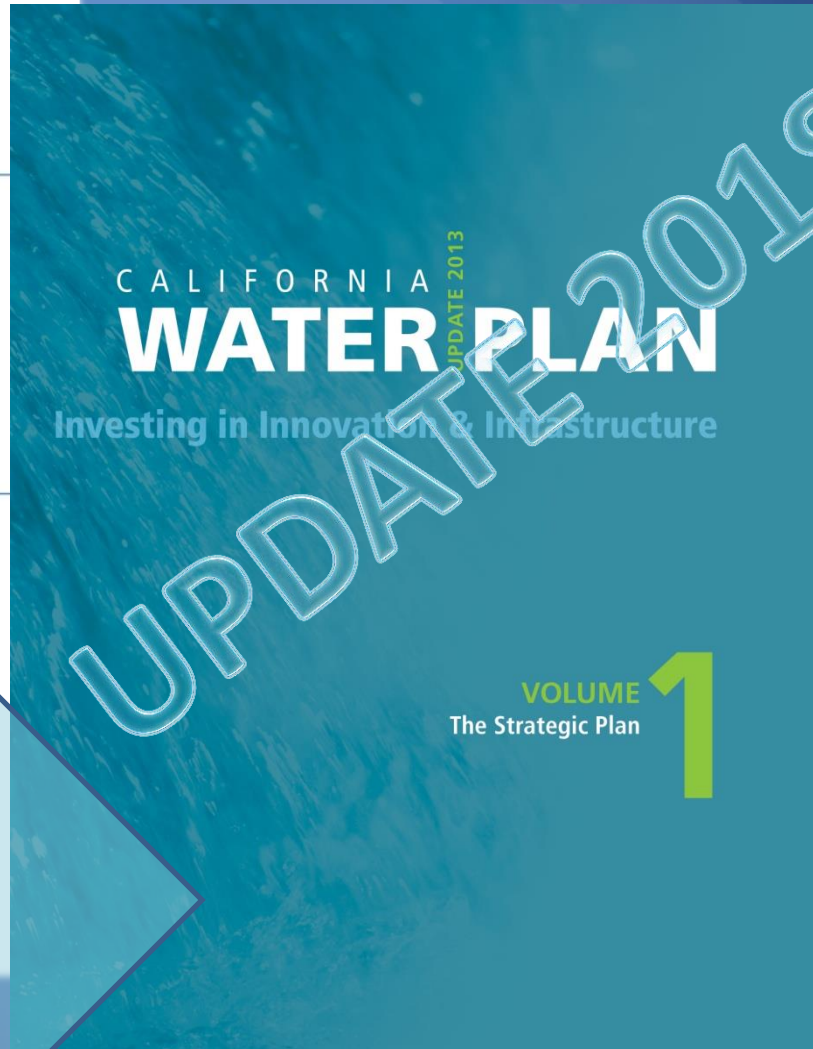


Moving Forward



Role of the California Water Plan Vision for 2018

California Water Action Plan



Authority for the CA Water Plan

The California Water Plan, with any necessary amendments, supplements, and additions to the plan, is accepted as the master plan which guides the orderly and coordinated control, protection, conservation, development, management and efficient utilization of the water resources of the State.

- California Water Code Section 10005(a)



California Water Plan 2018: Current Thoughts

- Describe progress made in improving water sustainability to date
- Identify actions for next 5-year cycle to advance water reliability and sustainability
- Describe how progress will be measured
- Include realistic financing plan
- Recommend steps for agency alignment



Questions?

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