

# WATER ISSUES UPDATE

March 17, 2017, 10am

California Partnership for the San Joaquin Valley Board Meeting

Madera Municipal Golf Course

Madera, California

**DeeDee D'Adamo**

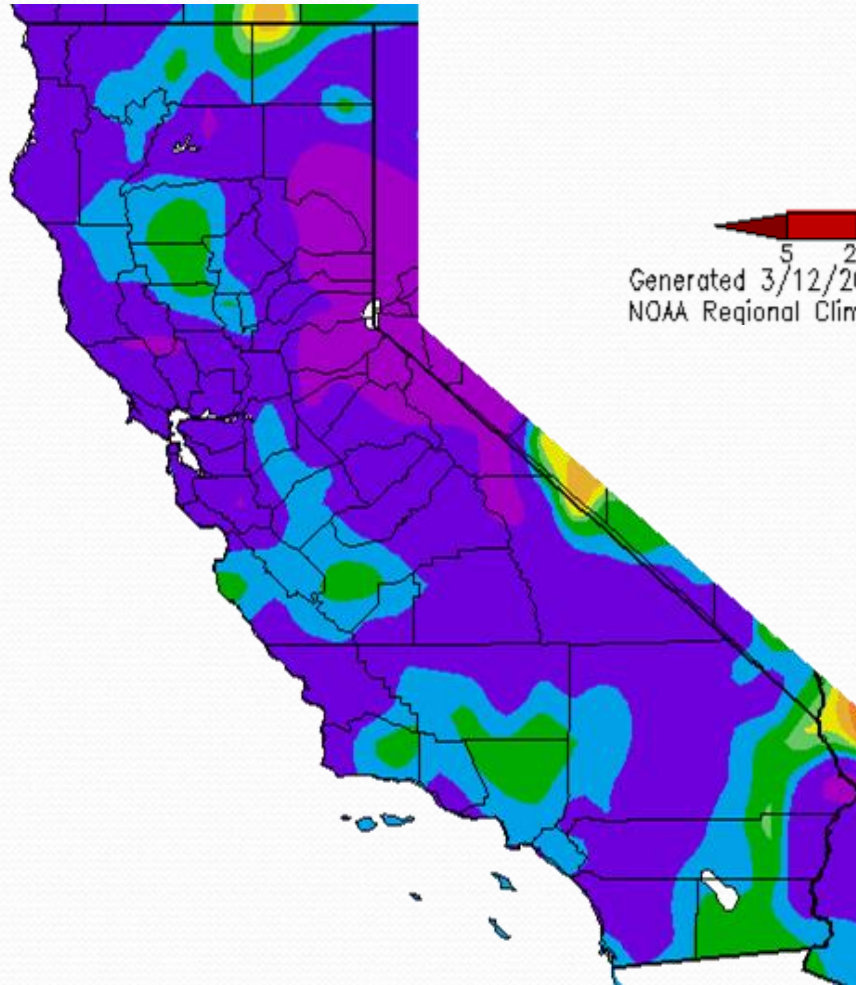
**State Water Resources Control Board**

**[www.waterboards.ca.gov](http://www.waterboards.ca.gov)**



# Percent of Average Precipitation

**Water Year Thus Far:  
10/1/2016 – 3/11/2017**

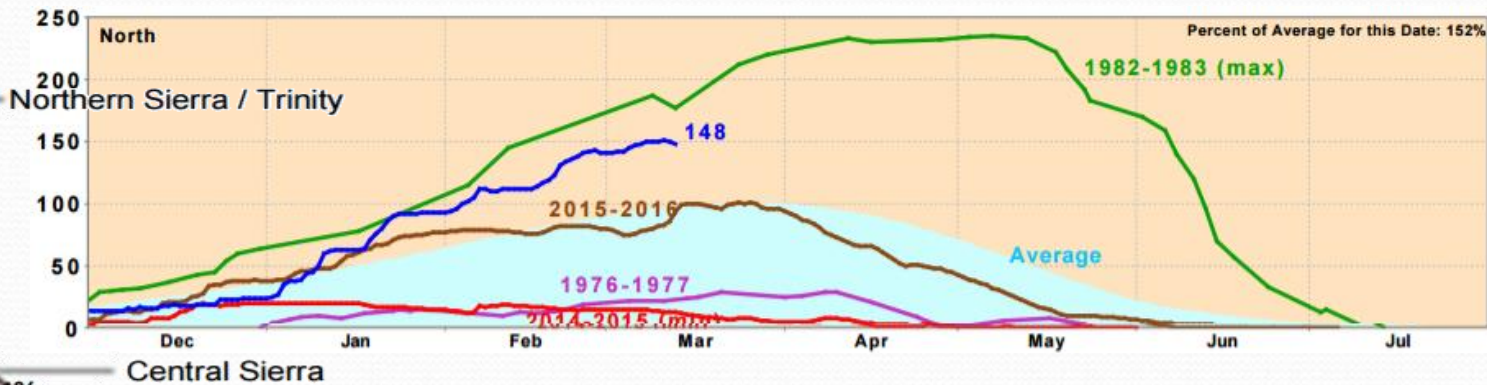
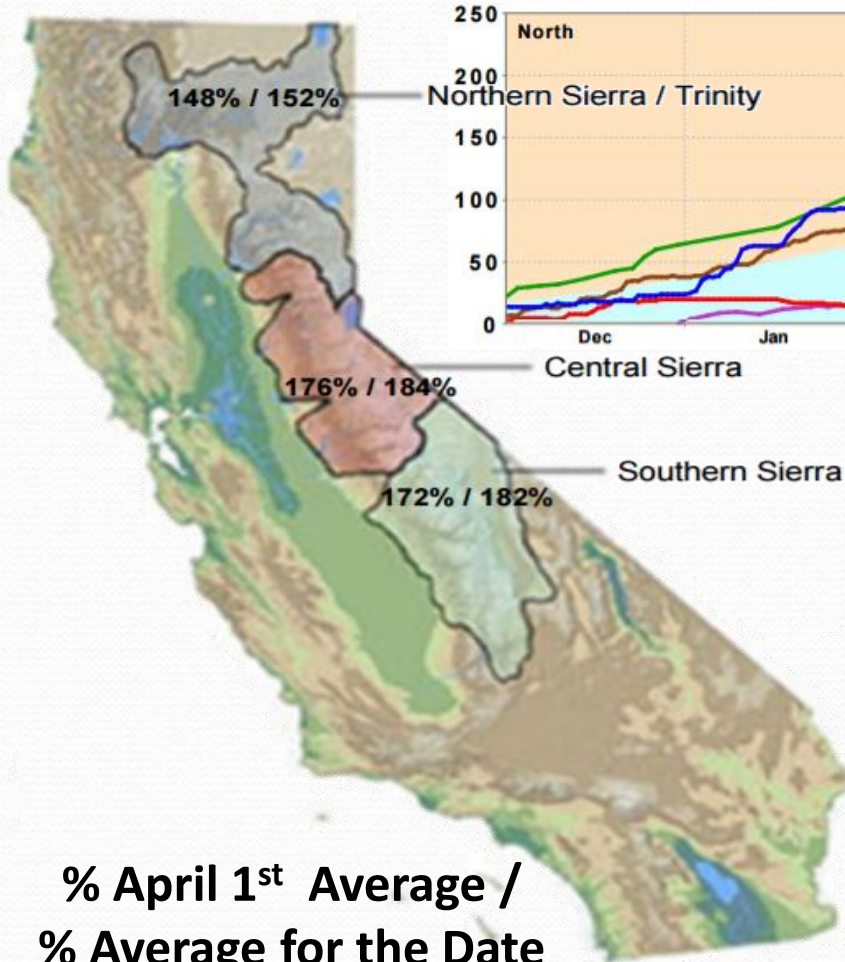


Generated 3/12/2017 at WRCC using provisional data.  
NOAA Regional Climate Centers



# Statewide Snowpack

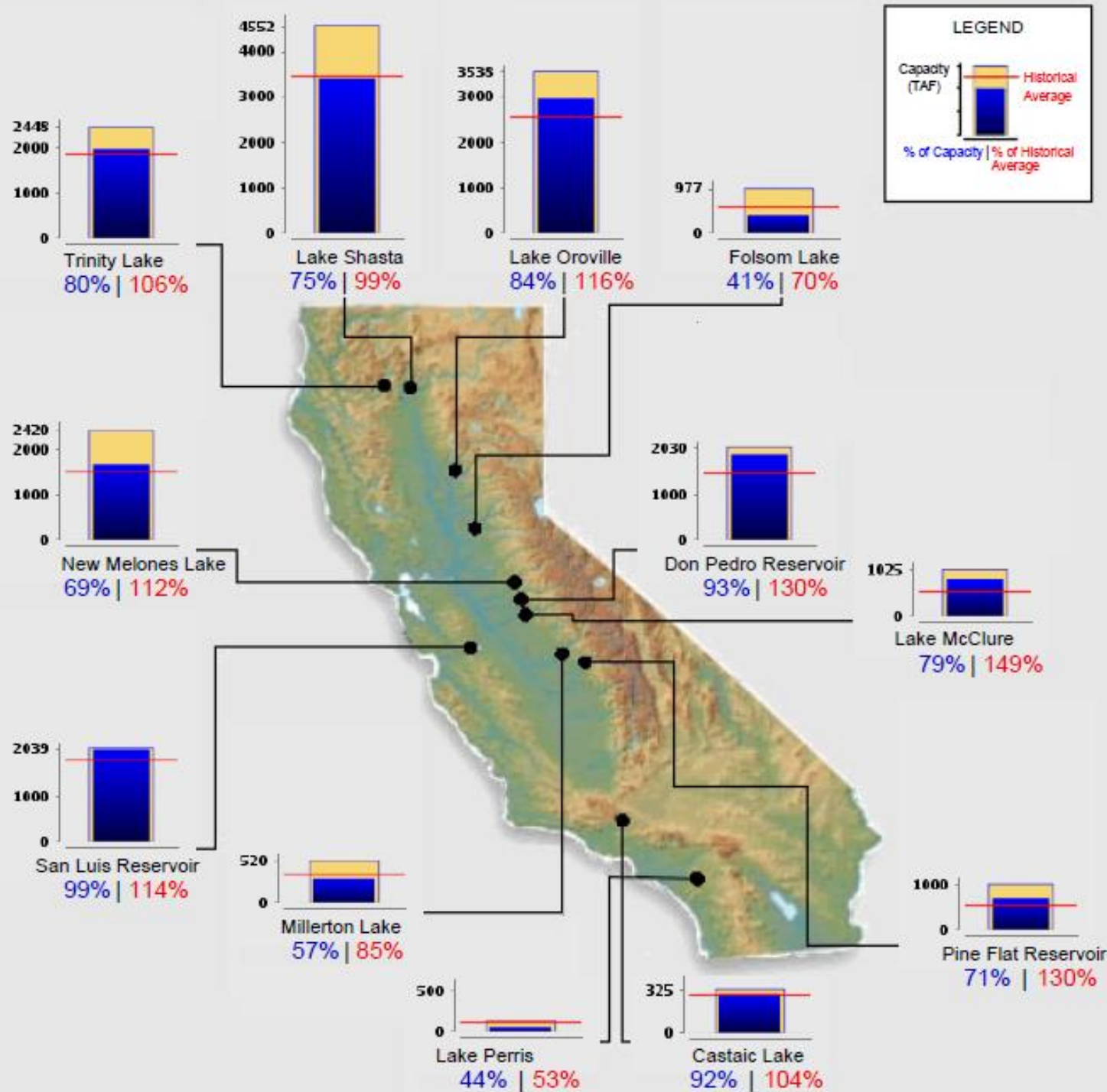
(March 13, 2017)



STATE	
Data as of March 13, 2017	
Number of Stations Reporting	96
Average snow water equivalent (Inches)	47.3
Percent of April 1 Average (%)	167
Percent of normal for this date (%)	174

Data source: [cdec.water.ca.gov/cdecapp/snowapp/sweq.action](http://cdec.water.ca.gov/cdecapp/snowapp/sweq.action)

% April 1<sup>st</sup> Average /  
% Average for the Date

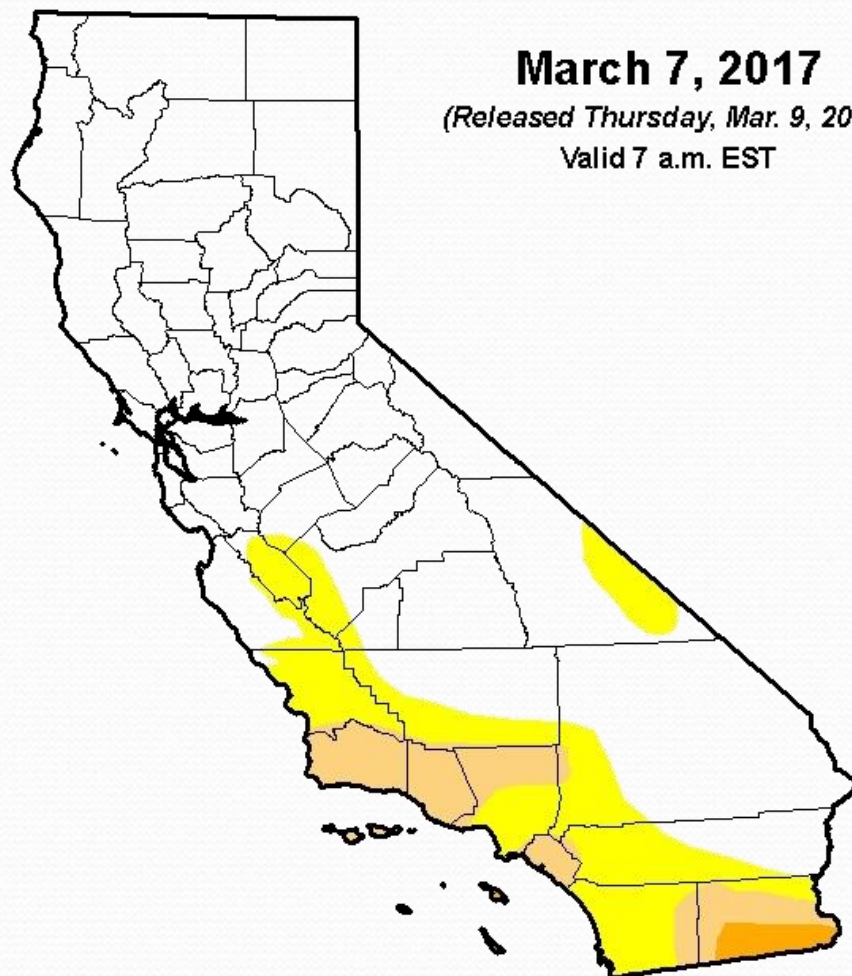


# Reservoir Storage

(March 12, 2017)



# Statewide Drought Conditions



**March 7, 2017**  
(Released Thursday, Mar. 9, 2017)  
Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	76.54	23.46	8.24	1.10	0.00	0.00
<b>Last Week</b> 2/28/2017	74.49	25.51	8.73	4.08	0.00	0.00
<b>3 Months Ago</b> 12/6/2016	12.03	87.97	73.04	60.27	42.80	21.04
<b>Start of Calendar Year</b> 1/3/2017	18.07	81.93	67.61	54.02	38.17	18.31
<b>Start of Water Year</b> 9/27/2016	0.00	100.00	83.59	62.27	42.80	21.04
<b>One Year Ago</b> 3/8/2016	0.43	99.57	97.49	83.16	60.86	38.48

## Intensity:

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

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

## **Author:**

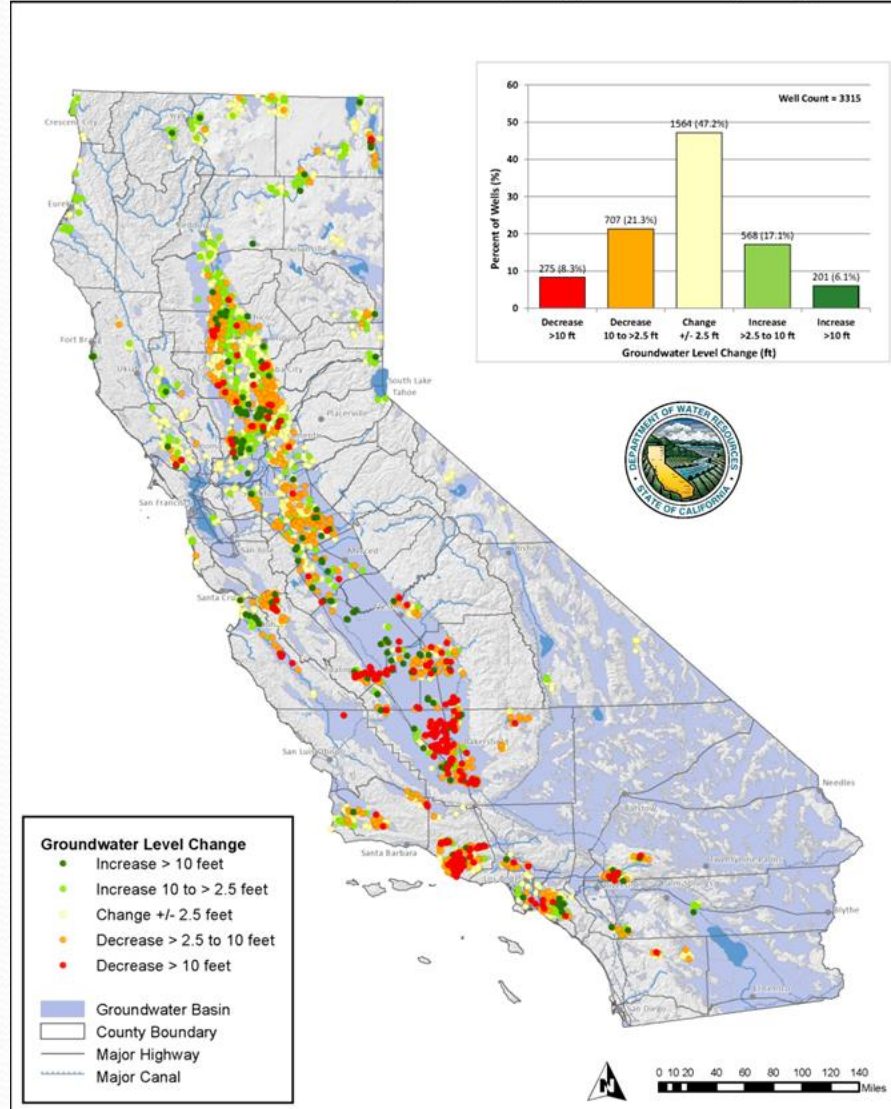
Brian Fuchs  
National Drought Mitigation Center



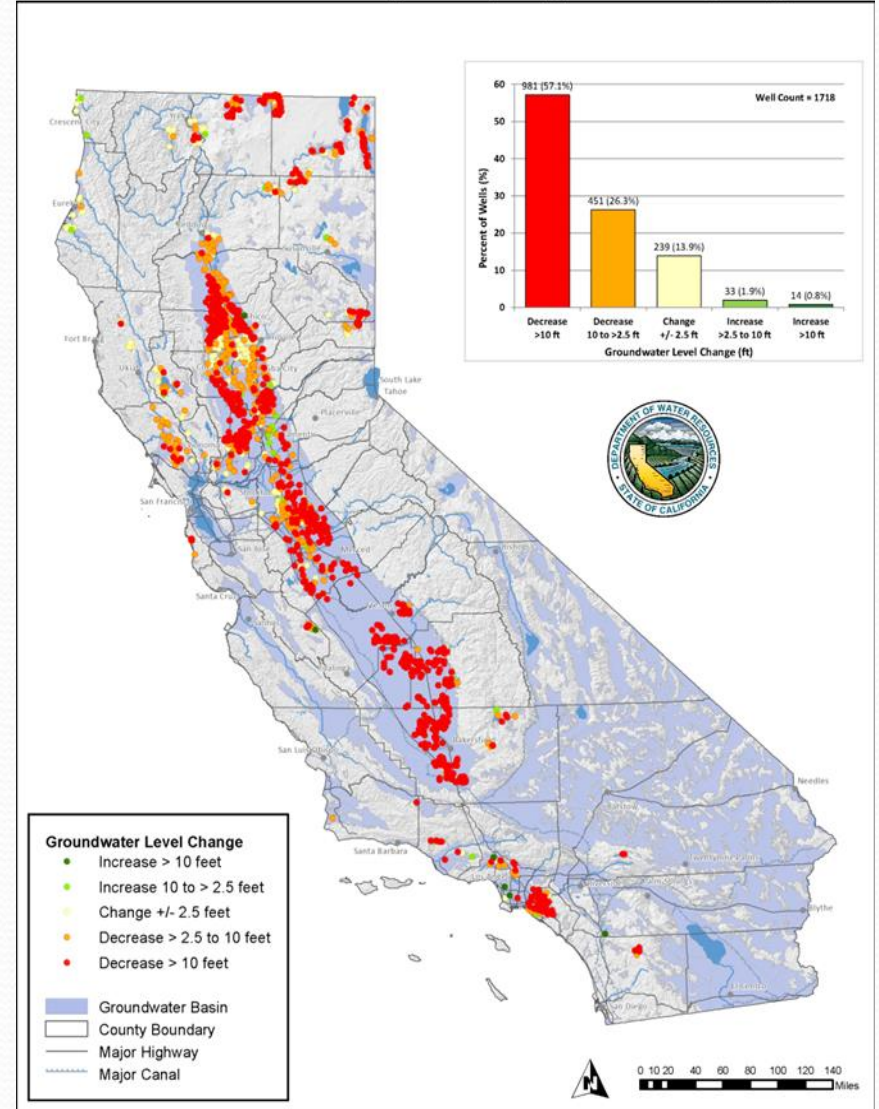
<http://droughtmonitor.unl.edu/>

# Low Groundwater Levels

Groundwater Level Change\* - Spring 2015 to Spring 2016

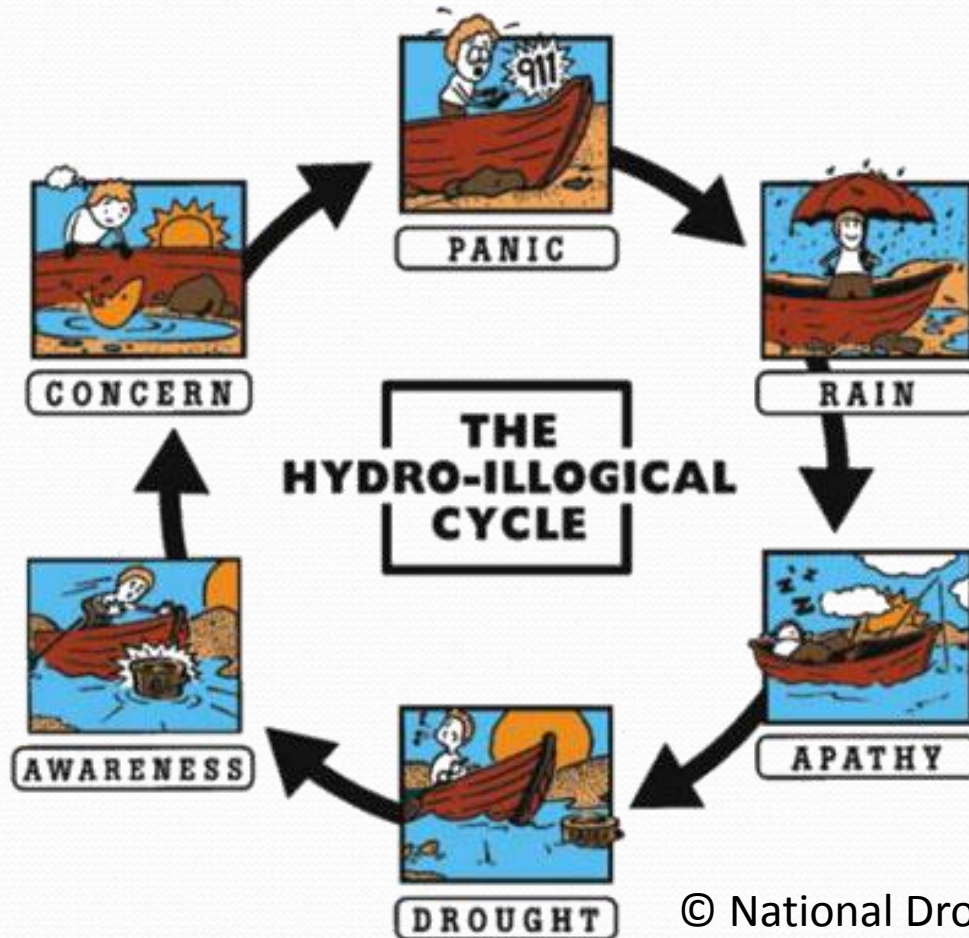


Groundwater Level Change\* - Spring 2006 to Spring 2016





# Breaking the Reactive Cycle



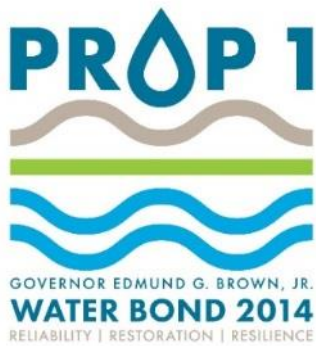
© National Drought Mitigation Center

# Sustainable Groundwater Management Act “Backstop” Deadlines

After	Intervention Trigger
June 30, 2017	Unmanaged Areas
Jan. 31, 2020	Basin in <b>critical overdraft</b> and either: 1) No plan 2) Inadequate plan
Jan. 31, 2022	1) No plan, or 2) Basin in <b>long-term overdraft</b> and inadequate plan
Jan. 31, 2025	<b>Significant depletions of interconnected surface waters</b> and inadequate plan

Deadline for reaching sustainability is 20 years from plan implementation. Progress will be checked every 5 years

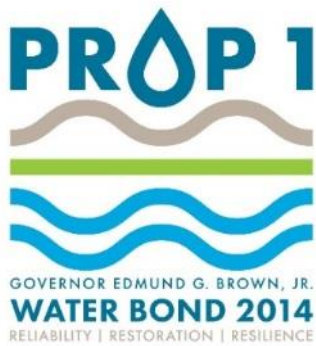




# State Water Board

## Proposition 1 Funding

- **Small Community Drinking Water (\$260 M)**
  - \$112 M Remaining: Continuous Application
- **Small Community Wastewater (\$260 M)**
  - \$150 M Remaining: Continuous Application
- **Water Recycling (\$625 M)**
  - \$477 M Remaining: Continuous Application
- **Groundwater Sustainability (\$800 M)**
  - \$702 M Remaining: Continuous Application
- **Stormwater (\$200 M)**
  - \$180 M Remaining: Continuous Application



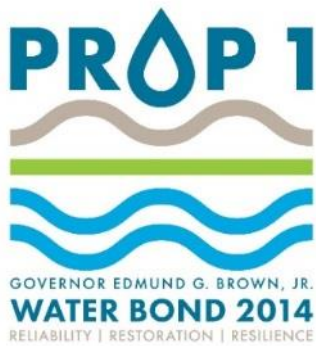
# Department of Water Resources

## Proposition 1 Funding

- **Water Storage Investment Program (\$2.7 B)**
  - CA Water Commission to accept applications in mid-March 2017
- **Integrated Regional Water Management (\$510 M)**
  - \$51 M DAC Involvement applications open until mid summer 2017
  - \$367 M Implementation applications open in 2018 and 2020
- **Water conservation & efficiency (\$100 M)**
  - \$22 M Turf Direct Install\*
  - \$6 M CalConserve revolving loan program\*

\*Continuous application as long as funds remain
- **Water Recycling (\$100 M)**
  - \$50 M Desalination applications open summer 2017
- **Groundwater Sustainability (\$100 M)**
  - \$86 M Planning applications open summer 2017
- **Flood Management (\$395 M)**
  - \$295 M Delta flood/levees program
  - \$100 M Statewide flood management





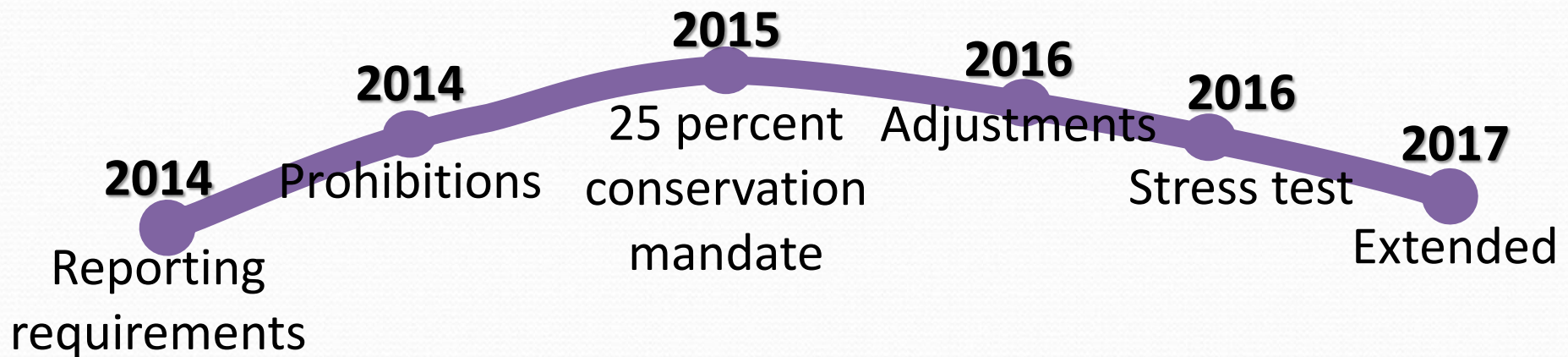
# CDFA State Water Efficiency and Enhancement Program (SWEEP)

Grants to Implement Irrigation Systems that Reduce Greenhouse Gasses and Save Water

- Applications due March 16
- Total Available is \$4.5 million
- Maximum Grant is \$100,000
- Recommended match is 50%

# Making Conservation a Way of Life

- Emergency conservation regulation has adapted to changing conditions
- Transition to Efficiency Standards





# Reliable Water Supply and Resilient Eco-System

## Update of Bay Delta Water Quality Control Plan

- Phase 1-San Joaquin River
- Phase 2-Sacramento River and Other Delta Tributaries
- Phase 3-Water Rights
- Phase 4-Other Tributaries



# Settlements Encouraged

- State Board has history of encouraging settlements
- Governor's September 2016 letter:
  - Encouraging consideration of settlements
  - Directing Resources Agency to explore comprehensive agreement for SJ & Sac Basins
- Durable local solutions can improve flows & other conditions that can reduce need for flow
- Local water agencies/communities, agency experts & other organizations can provide foundation
- Appointment of Secretary Babbitt





# Safe Drinking Water Initiative

- CA Human Right to Water Law (2012) – Right to safe, accessible, affordable drinking water
- Administration committed to seeking solution for communities that have unsafe drinking water & lack capacity
- Priority in Governor's Budget
- Estimate of annual statewide need for O&M & Capital: \$45 million annually
  - For Public Water Systems
  - Does Not Include Private Wells

# Save Our Water

## Public Education Campaign

**Governor Brown, May 2016: “Make conservation a California way of life”**

