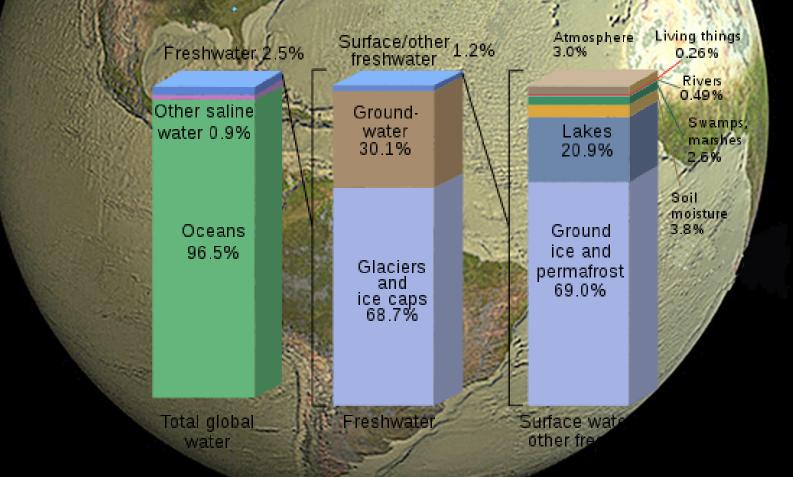
Sustainable Water Resource Management

Michael Thomas, Assistant Executive Officer John Robertson, Executive Officer Central Coast Water Board Meeting February 2018





Where is Earth's Water?

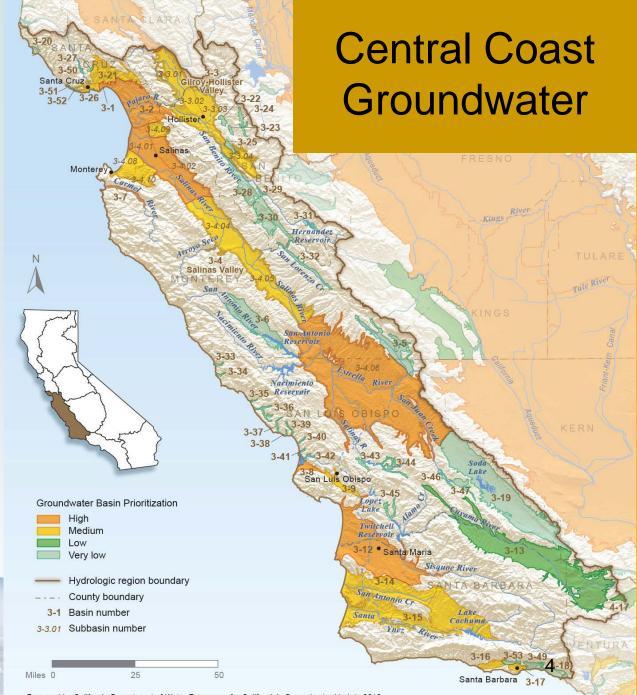


Groundwater supplies about 86% of all use (DWR 2005-2010 data)

Highest dependence in the state

Many communities depend on groundwater for 100% of supply





Prepared by California Department of Water Resources for California's Groundwater Update 2013

Average Annual Groundwater Supply by County and by Type of Use (2005-2010)

Source: Table CC-14 and SC-9 from CA Water Plan Update 2013 Public Review Draft.

Water Resource Stressors

Climate Change

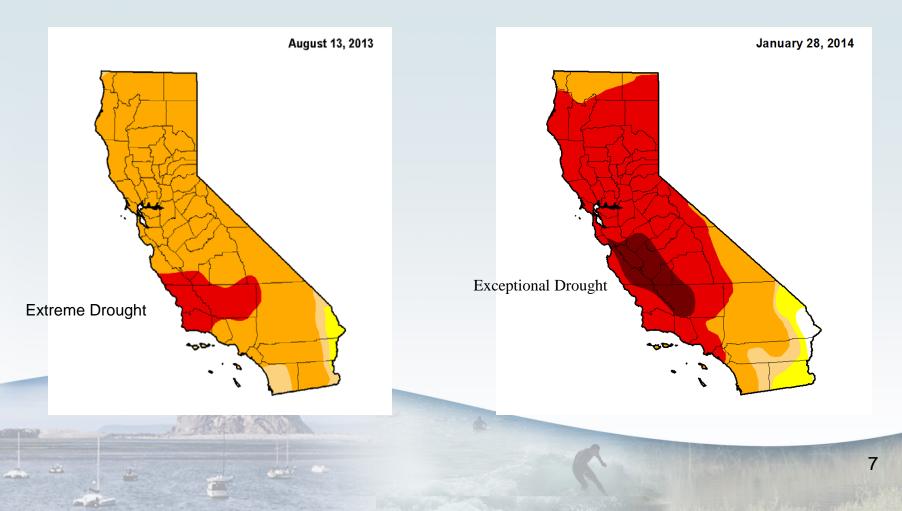
Population

Pollution

Drought Map Legend

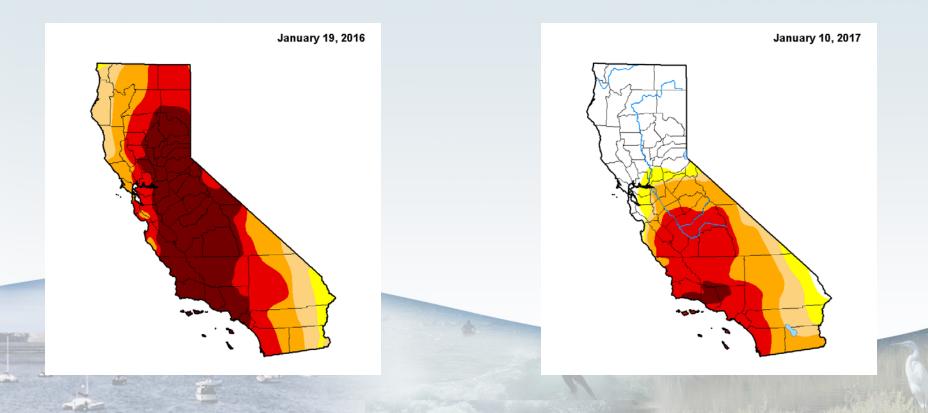
- None: No Drought
- D0: Abnormally Dry
- D1: Moderate Drought
- D2: Severe Drought
- D3: Extreme Drought
- D4: Exceptional Drought

Stressor: Climate Change



Drought Map Legend

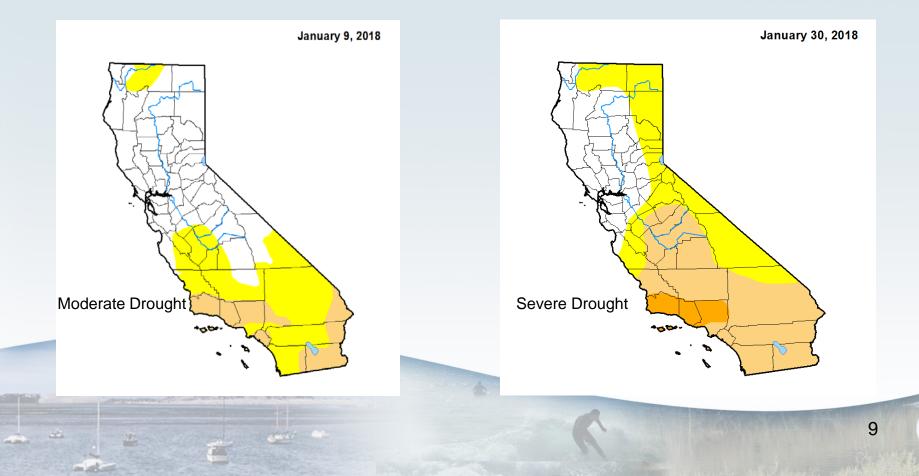
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Drought Map Legend

- None: No Drought
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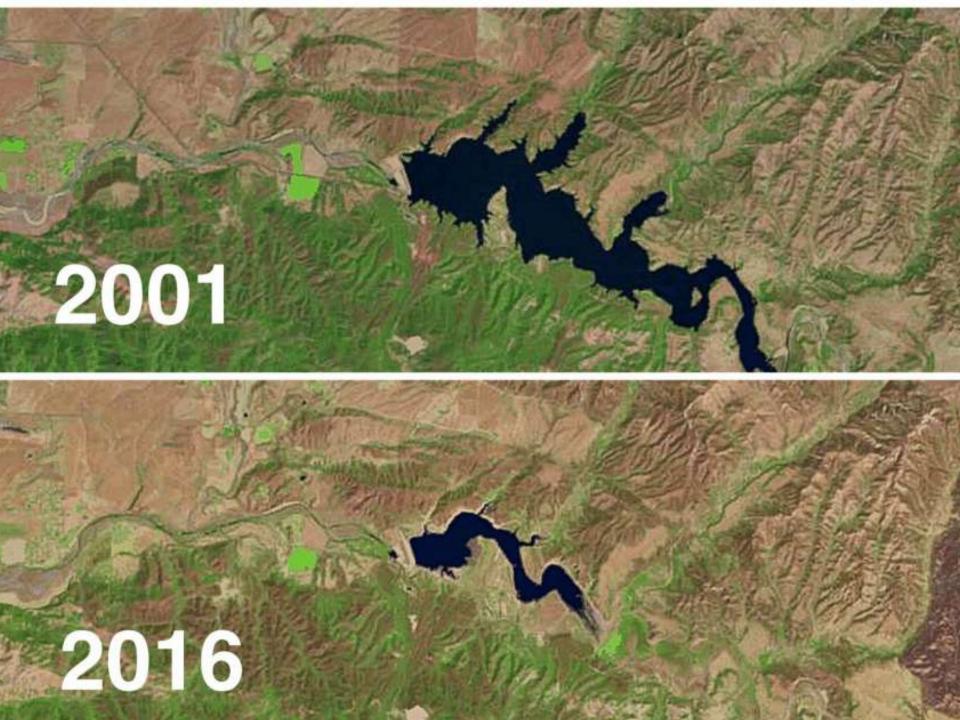
SLO County whiplashes back into drought as hot, dry winters return *Telegram Tribune, February 1,* 2018



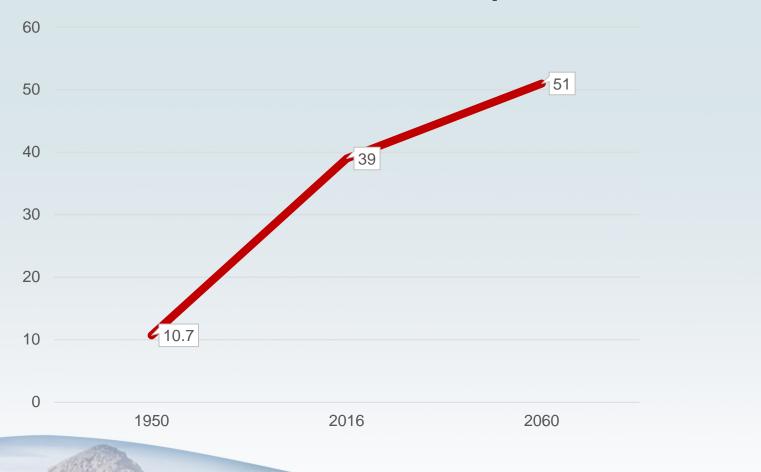
Cachuma Lake 2014

Cachuma Lake 2016





Stressor: California Population



Source: California Department of Finance

Santa Cruz

Stressor: Pollution

Jamesburg

Monterey

Salinas

Chualar

Penvir

Monterey Bay

Gonzales

Camphora

Soledad

Harlem

Pinnacles National Park

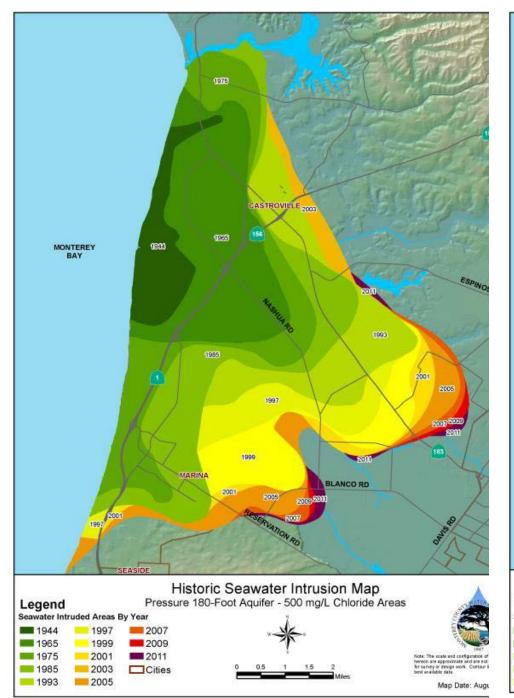
13

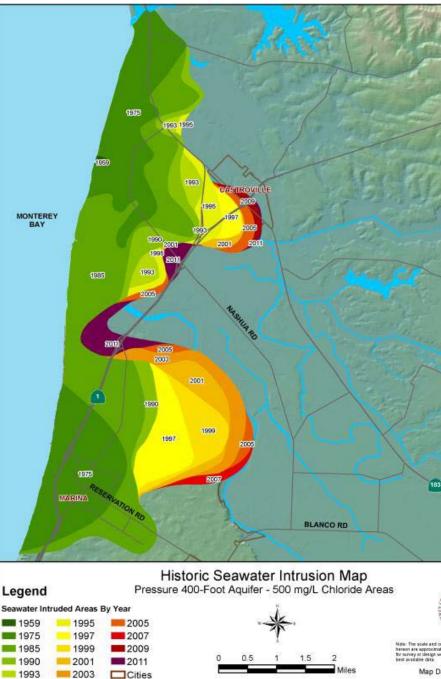
Watsonville

Greenfield

Metz

Millers Ranch





Scope of the Project

Scope 1: Subjects

Scope 2: Implementation

Recycling

Groundwater Recharge

Direct Authority

Indirect Authority

Pollution Reduction

Influence

Implementation

- Direct Authority
 - Enforceable
 - Requirements
 - Time Schedules to reduce pollution and achieve water quality objectives
 - Prohibitions
- Indirect Authority
 - Discharge is a privilege, not a right
 - Discretion to issue a permit
- Influence
 - Financing
 - Expectations
 - Education

Conclusion

- Sustainable water management is critical to our future
- The Board drives the project
- No staff resources assigned yet
 - New staff, restructuring effort
- Discussion is just beginning
- Additional scoping sessions 2018
- Questions:
 - Are we on the right track?
 - Is the scope reasonable so far?
 - Are we missing key elements?