

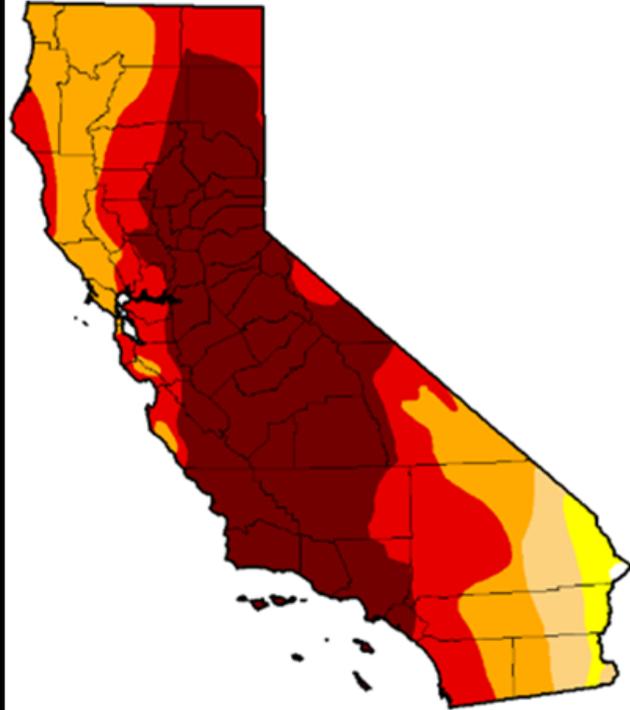
CURRENT GROUNDWATER CONDITIONS & TEHAMA COUNTY GROUNDWATER SUSTAINABILITY AGENCY



- **Current Drought and Groundwater Conditions**
- **Sustainable Groundwater Management Act (SGMA)**
- **Groundwater Sustainability Agency (GSA) of Tehama County**

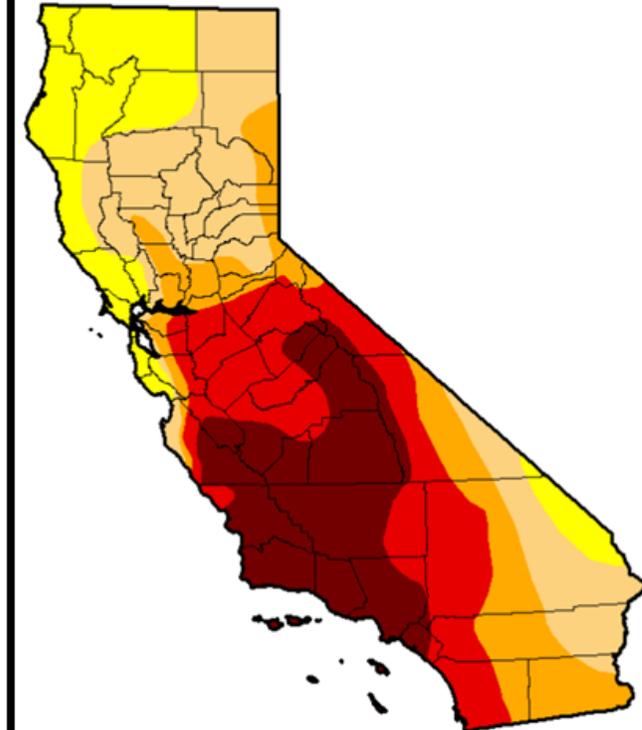
November 03, 2015

U.S. Drought Monitor
California



June 21, 2016

U.S. Drought Monitor
California

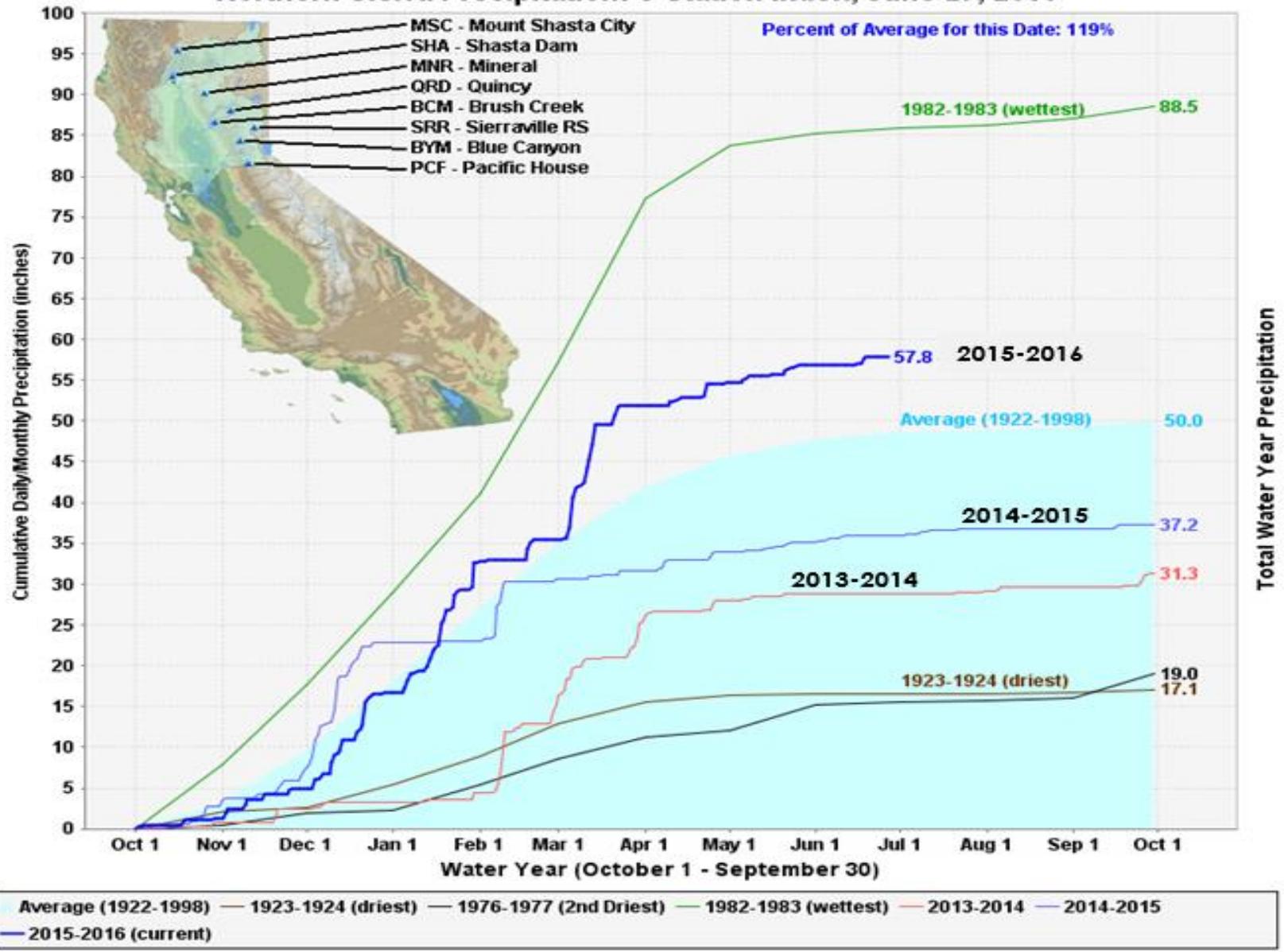


Intensity:



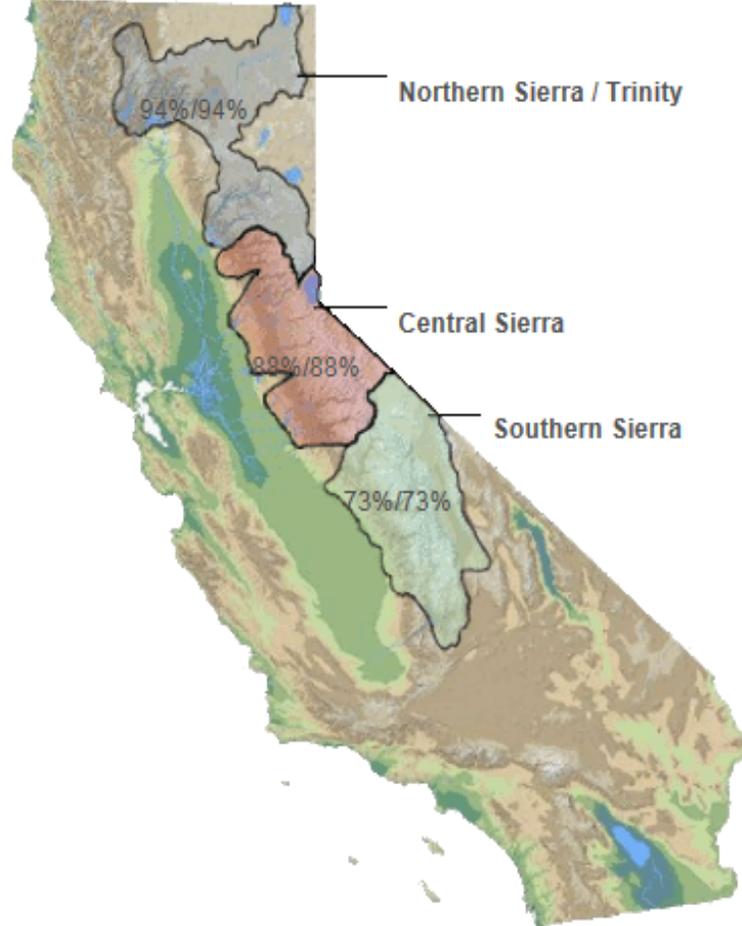
[http://droughtmonitor.unl.edu/data/pngs/current/current ca cat.png](http://droughtmonitor.unl.edu/data/pngs/current/current_ca_cat.png)

Northern Sierra Precipitation: 8-Station Index, June 27, 2016



Data For: 01-Apr-2016

% Apr 1 Avg. / % Normal for this Date



Change Date :

NORTH	
Data For: 01-Apr-2016	
Number of Stations Reporting	28
Average snow water equivalent	27.1"
Percent of April 1 Average	94%
Percent of normal for this date	94%

CENTRAL	
Data For: 01-Apr-2016	
Number of Stations Reporting	39
Average snow water equivalent	25.1"
Percent of April 1 Average	88%
Percent of normal for this date	88%

SOUTH	
Data For: 01-Apr-2016	
Number of Stations Reporting	27
Average snow water equivalent	19.4"
Percent of April 1 Average	73%
Percent of normal for this date	73%

STATEWIDE SUMMARY	
Data For: 01-Apr-2016	
Number of Stations Reporting	94
Average snow water equivalent	24.1"
Percent of April 1 Average	86%
Percent of normal for this date	86%

[HTTP://CDEC.WATER.CA.GOV/CDECAPP/SNOWAPP/SWEQ.ACTION](http://cdec.water.ca.gov/CDECAPP/SNOWAPP/SWEQ.ACTION)

Data as of Midnight: 26-Jun-2016

Change Date: 26-Jun-2016

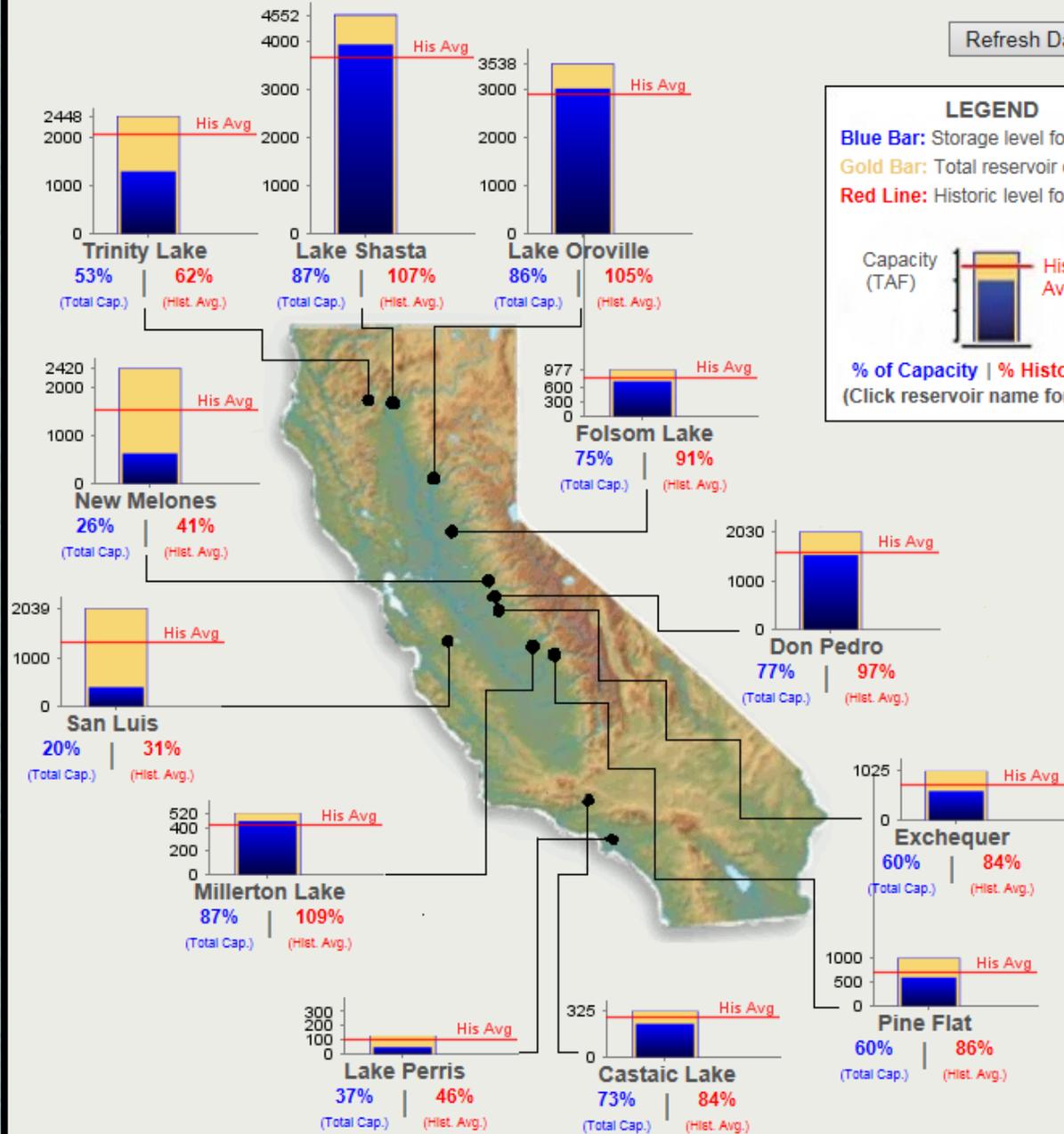
Refresh Data

LEGEND

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

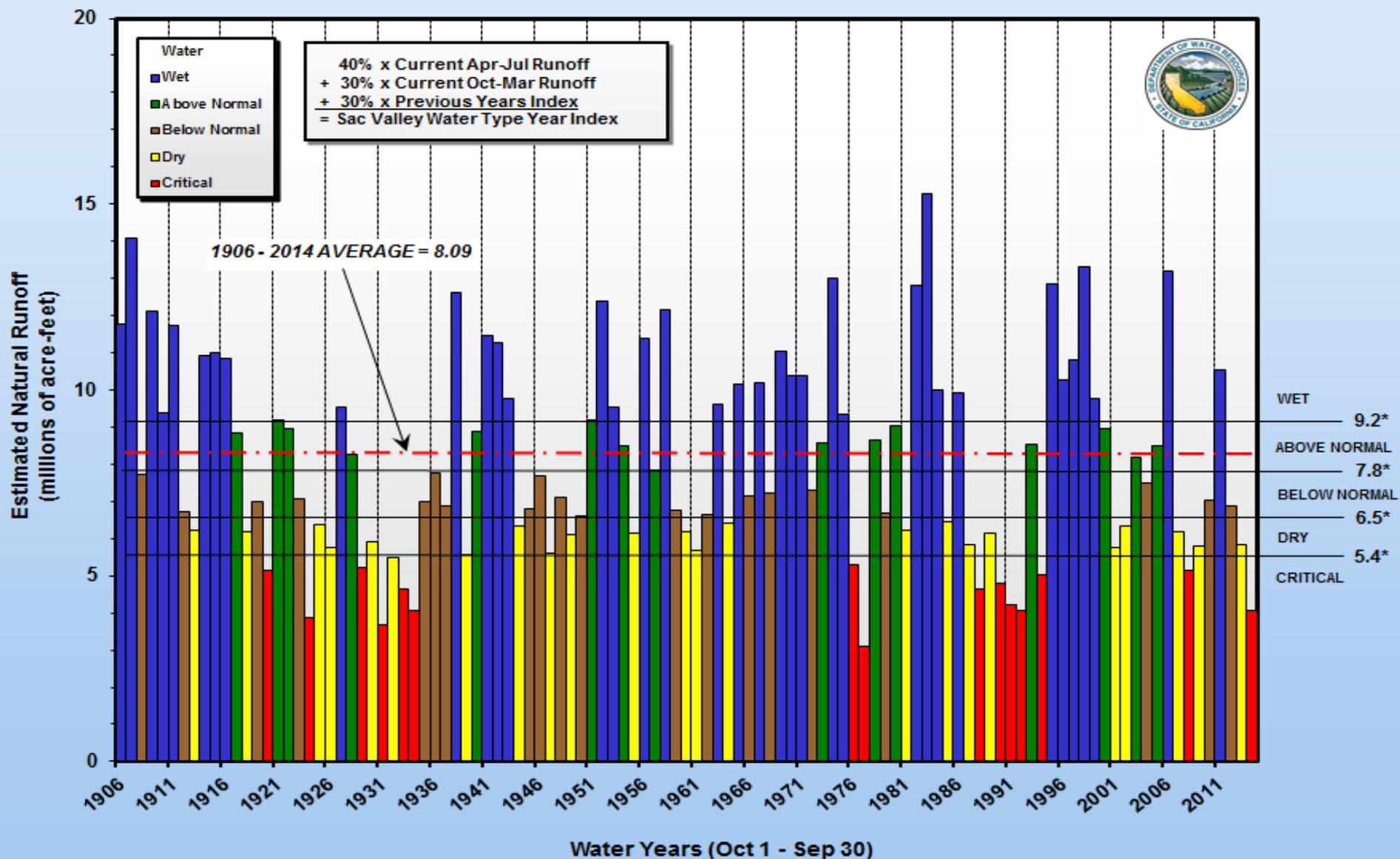


% of Capacity | % Historical Avg
(Click reservoir name for details)



[HTTP://CDEC.WATER.CA.GOV/CDECAPP/R
ESAPP/GETRESGRAPHMAIN.ACTION](http://cdec.water.ca.gov/cdecapp/RESAPP/GETRESGRAPHMAIN.ACTION)

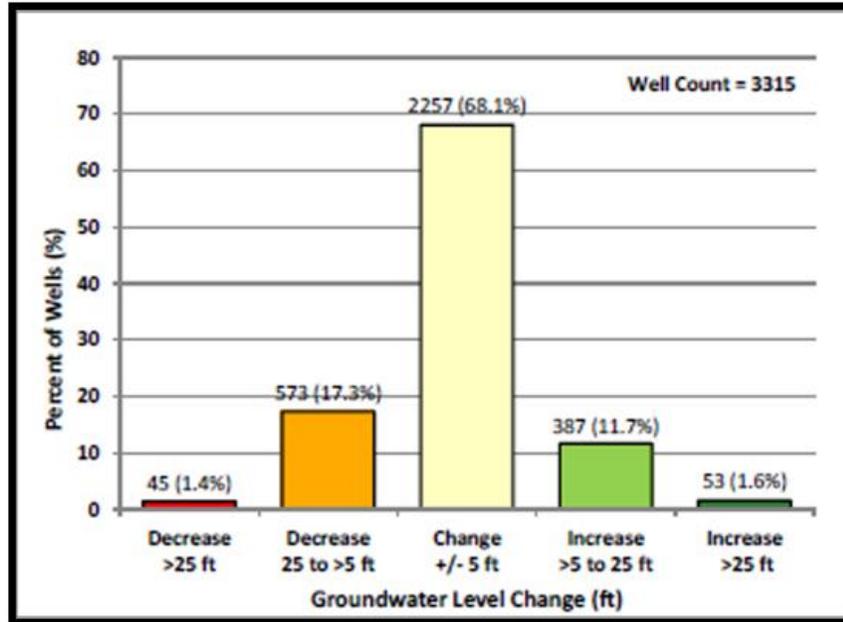
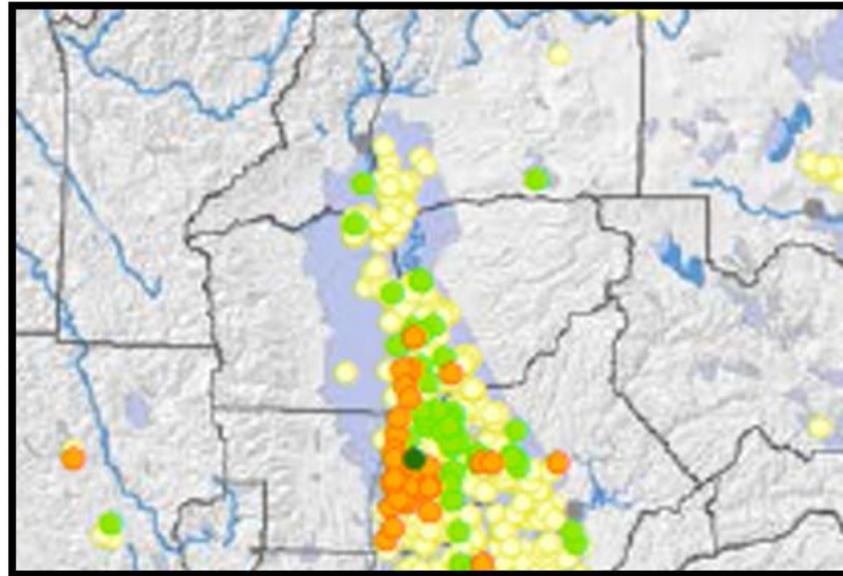
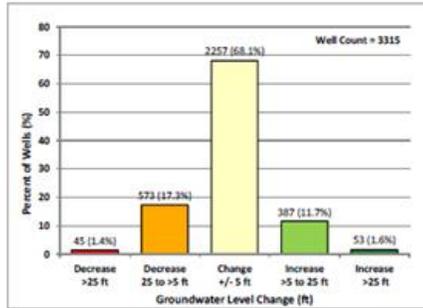
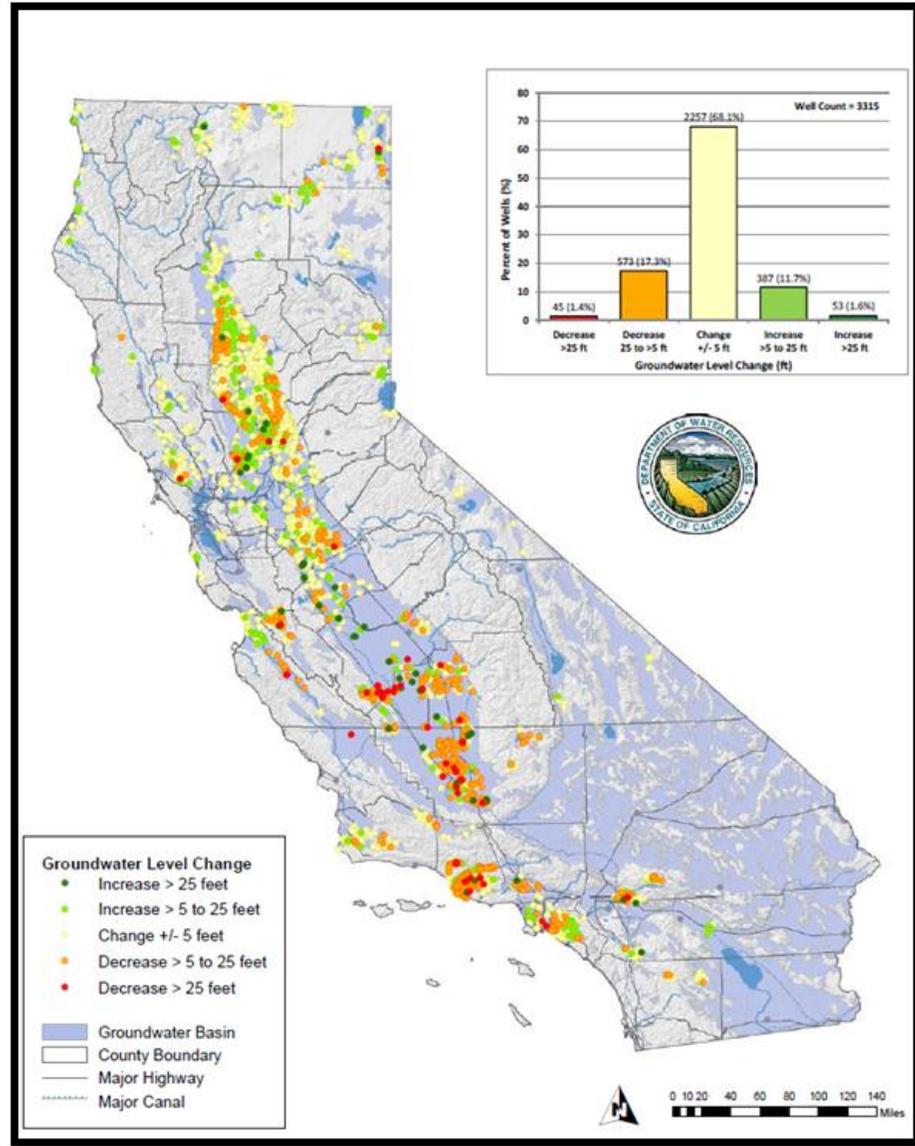
SACRAMENTO VALLEY WATER YEAR TYPE INDEX 1906 - 2014



Source: California Department of Water Resources

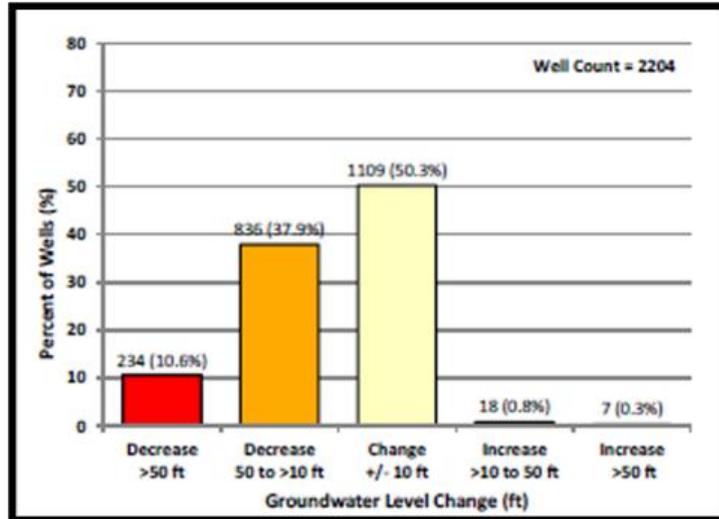
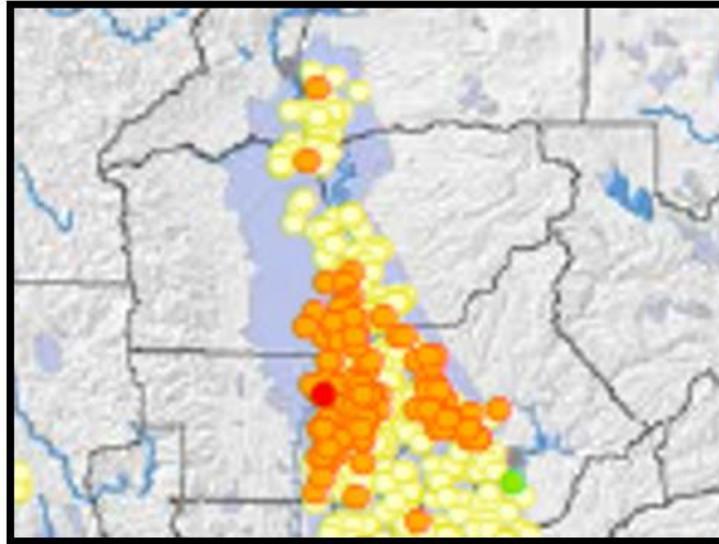
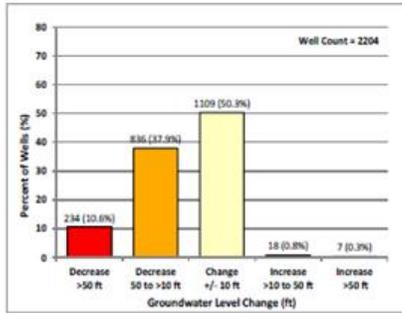
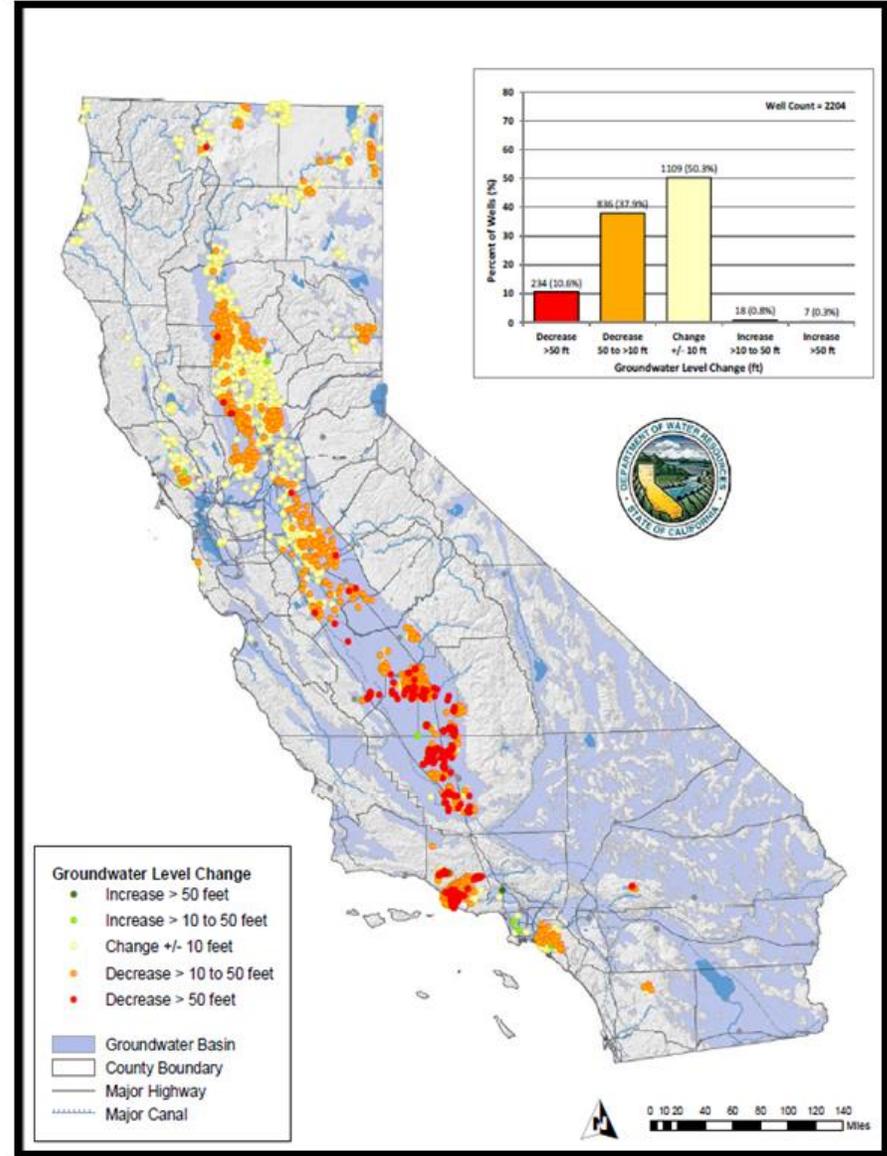
* Index based on flow in the million acre-feet

Statewide Change Map – Spring 2015-2016



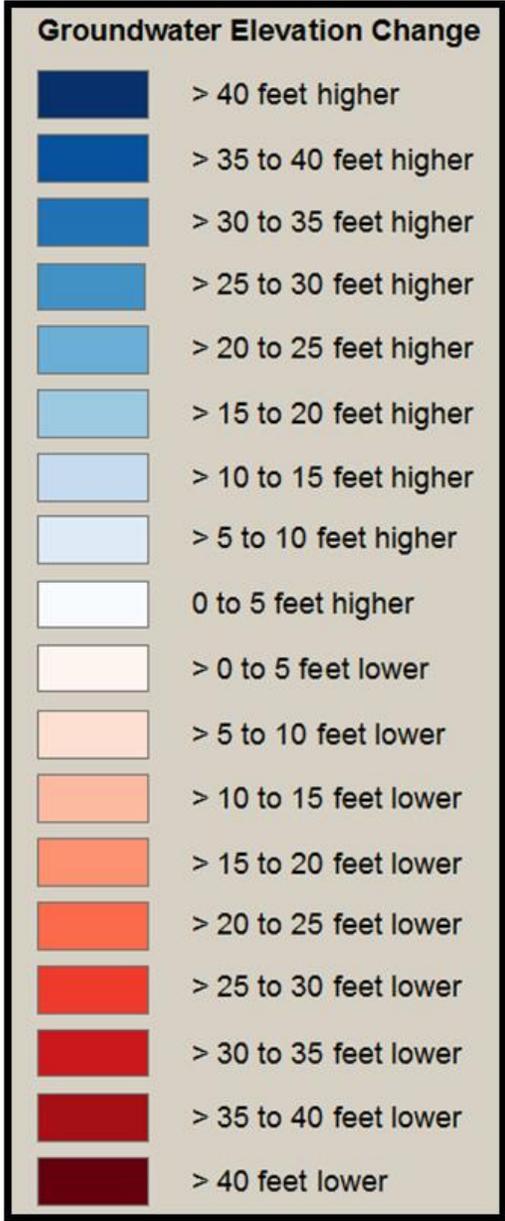
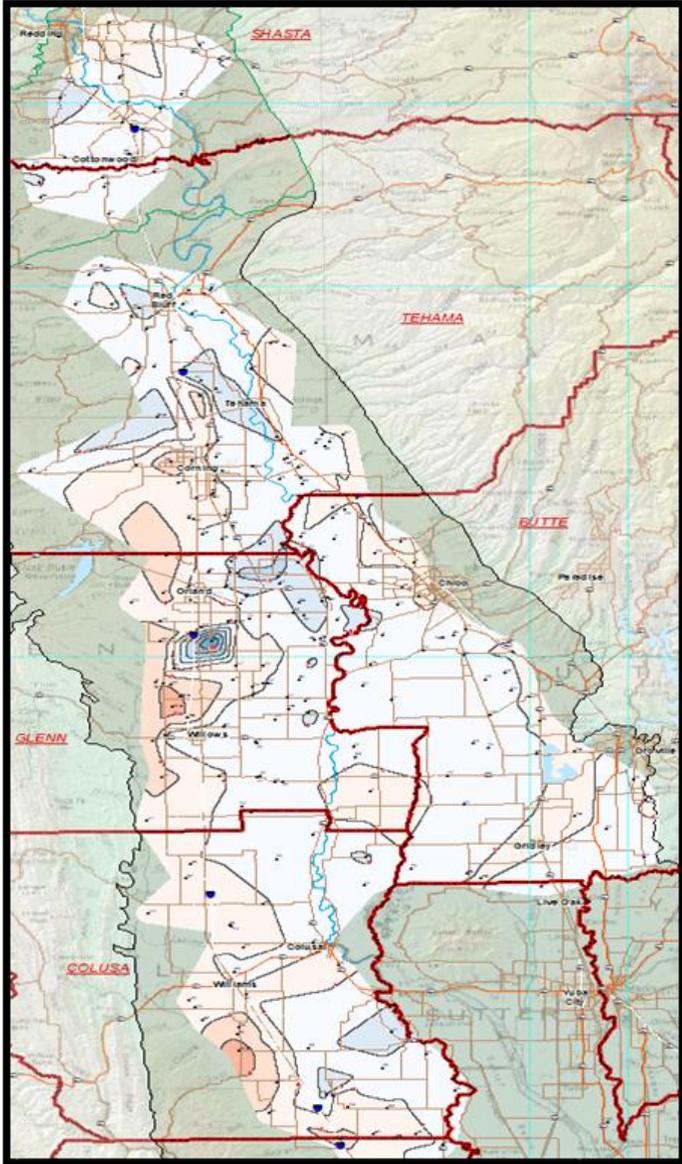
Map courtesy of DWR

Statewide Change Map – Spring 2011-2016

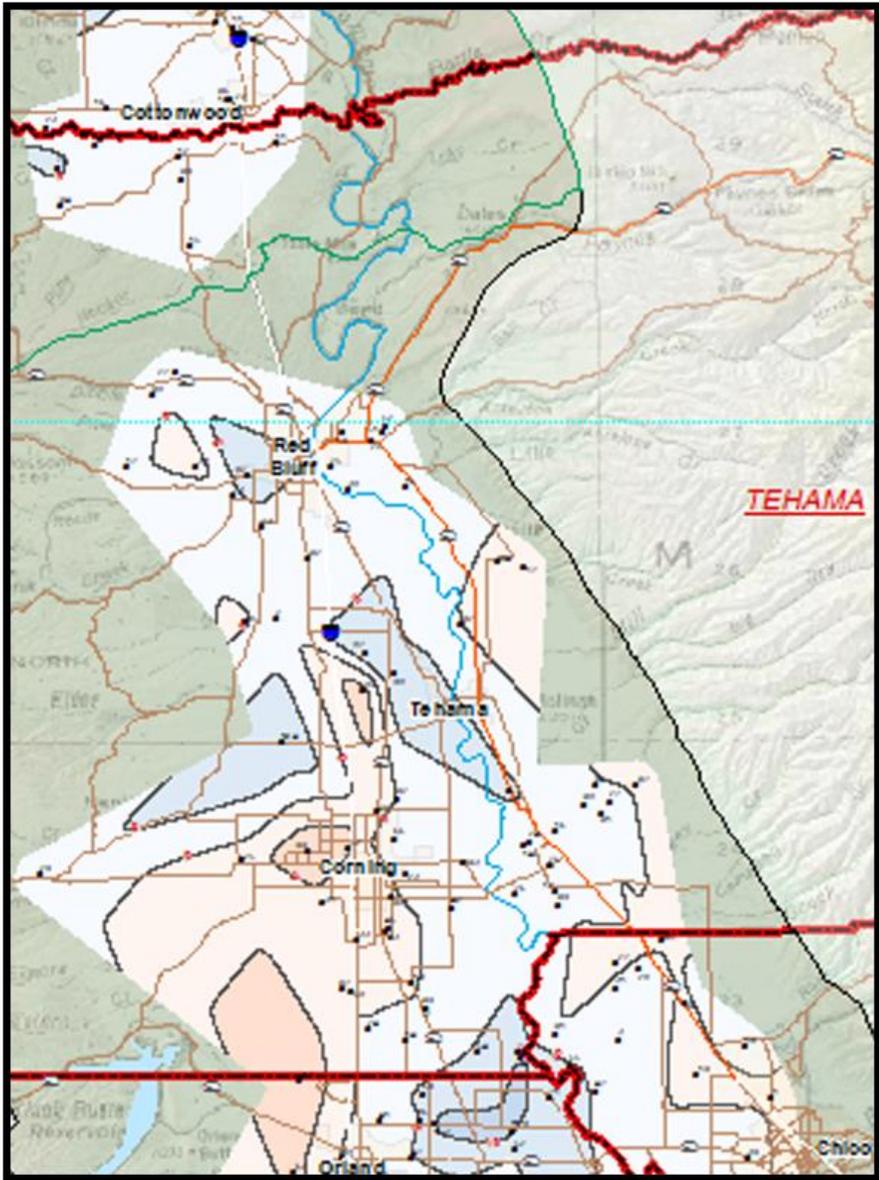


Spring 2015- 2016

Wells(236) 100 to 450 feet BGS



Map courtesy of DWR

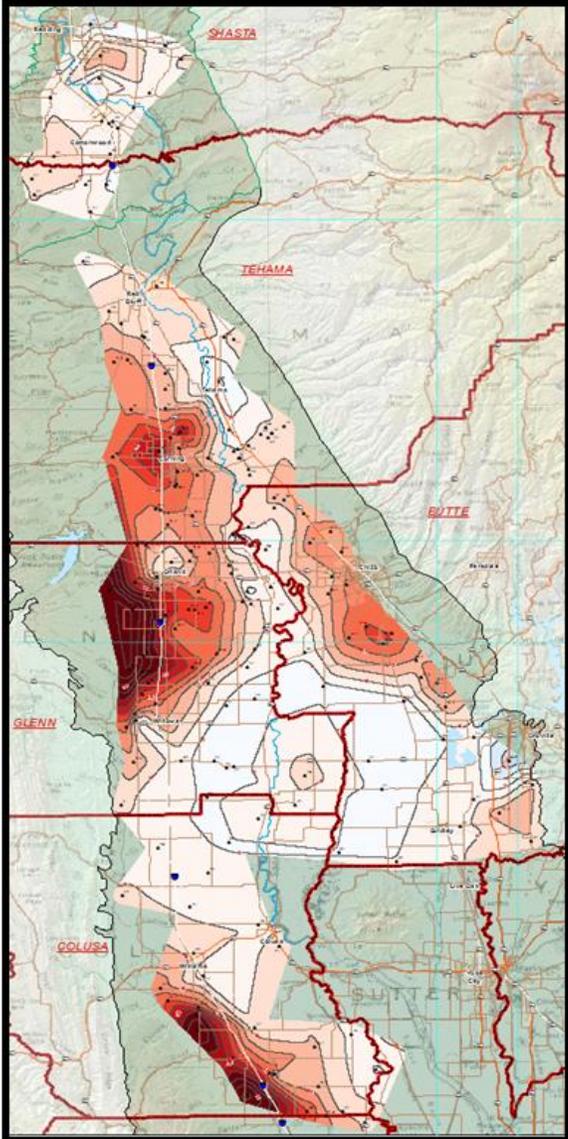


Groundwater Elevation Change

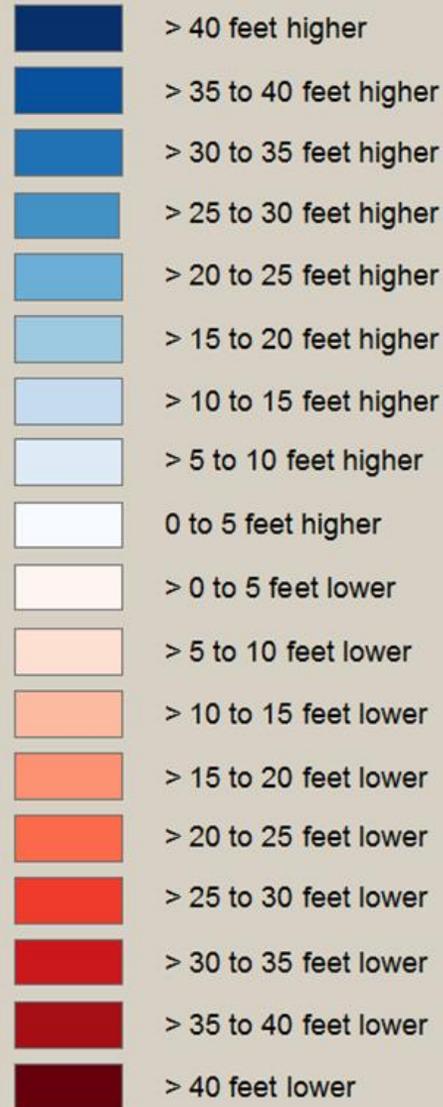


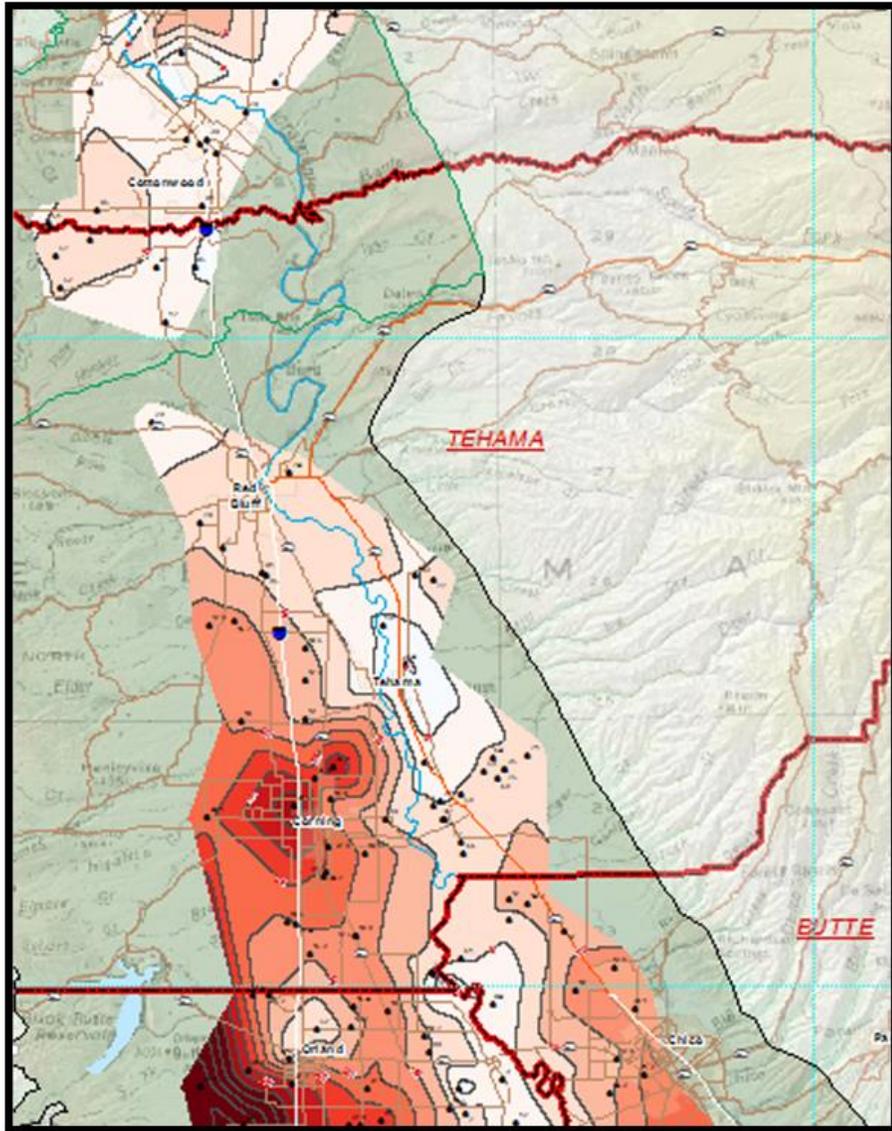
Spring 2004- 2016

Wells(201) 100 to 450 feet BGS

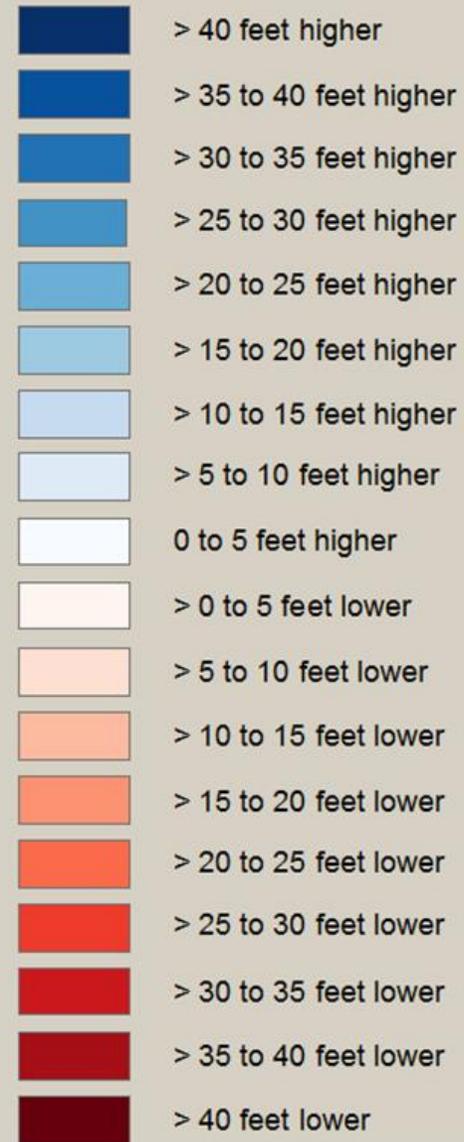


Groundwater Elevation Change



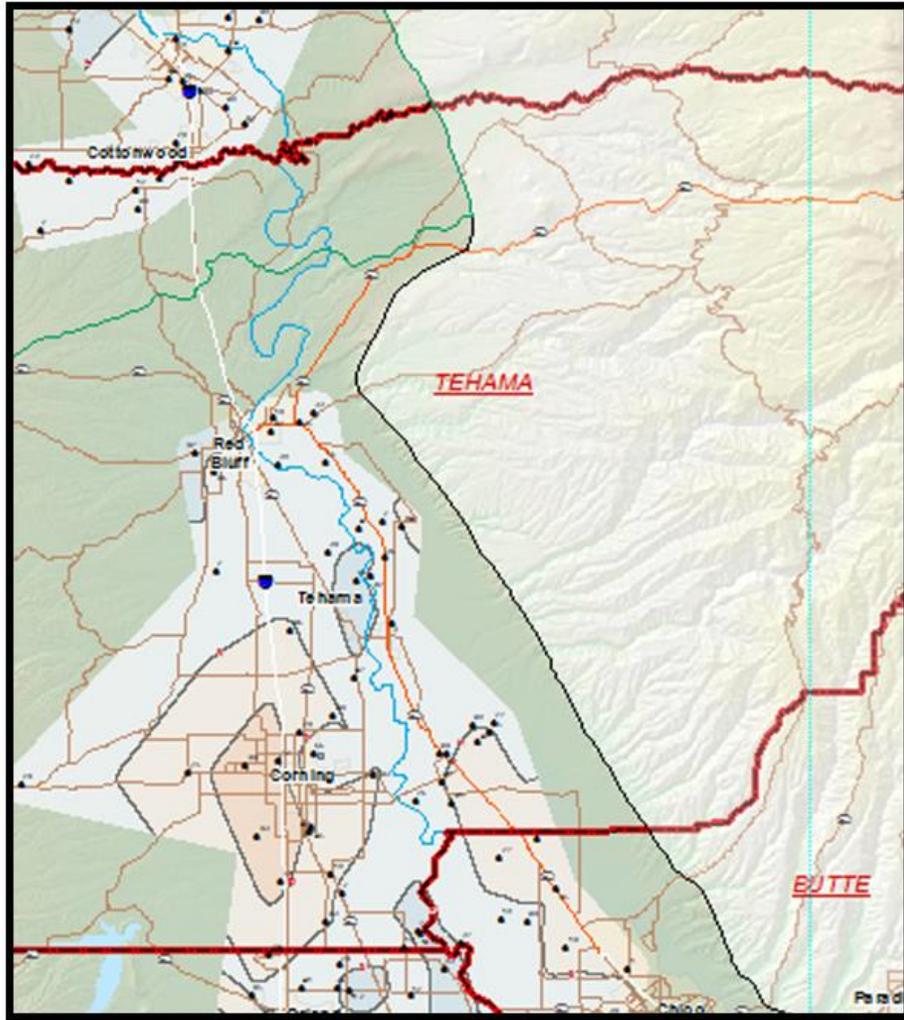


Groundwater Elevation Change

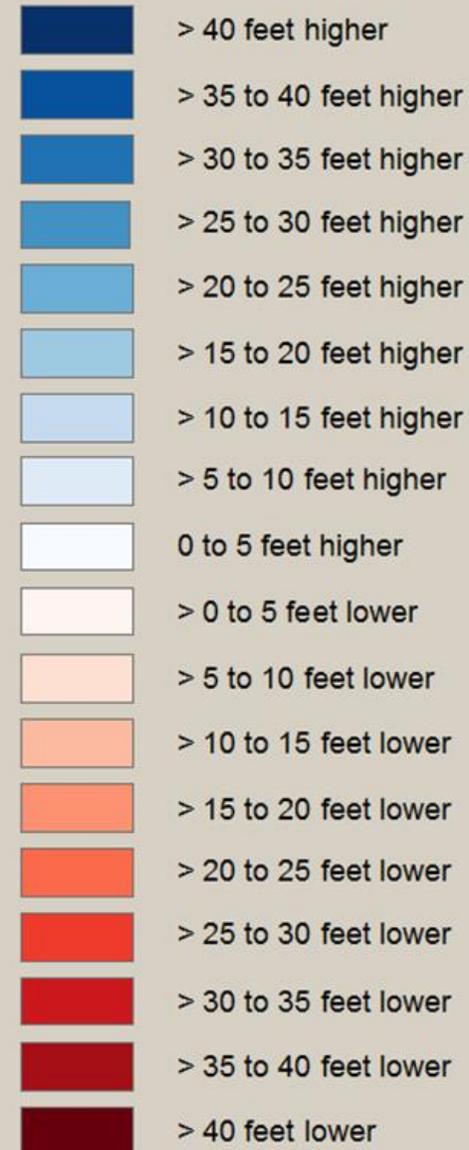


Spring 2015- 2016

Wells(184) less than 200 feet BGS

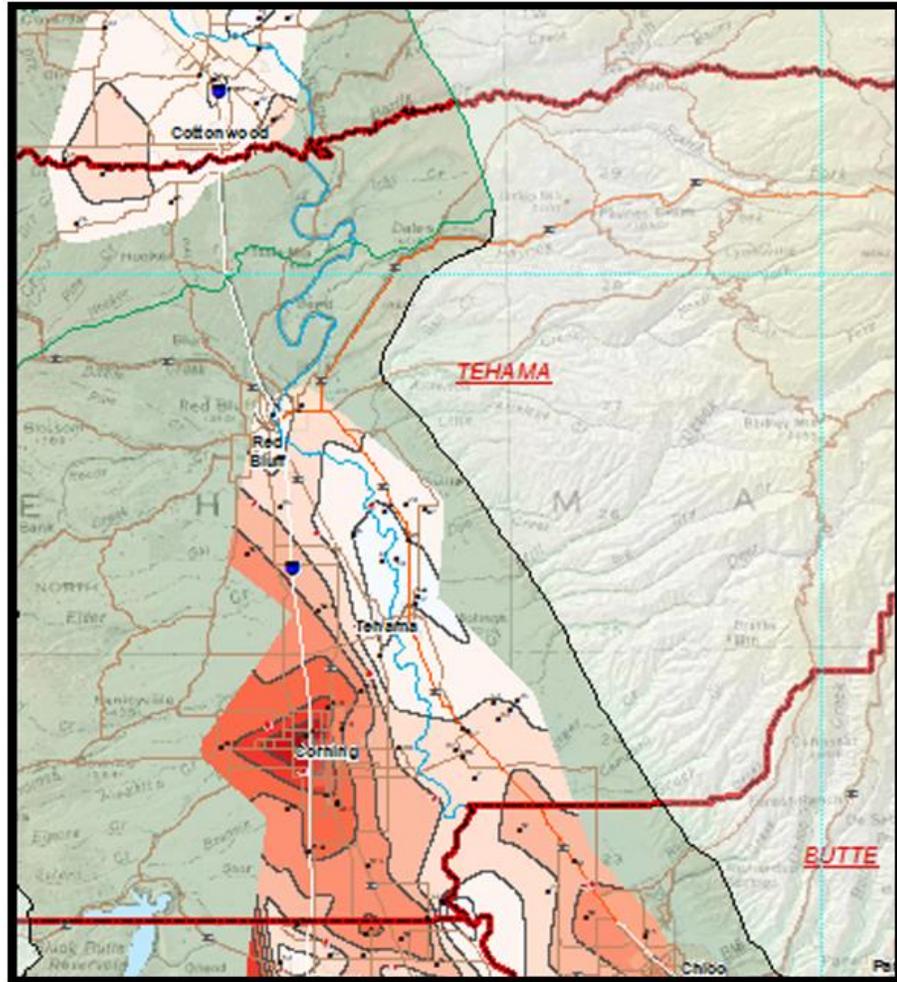


Groundwater Elevation Change

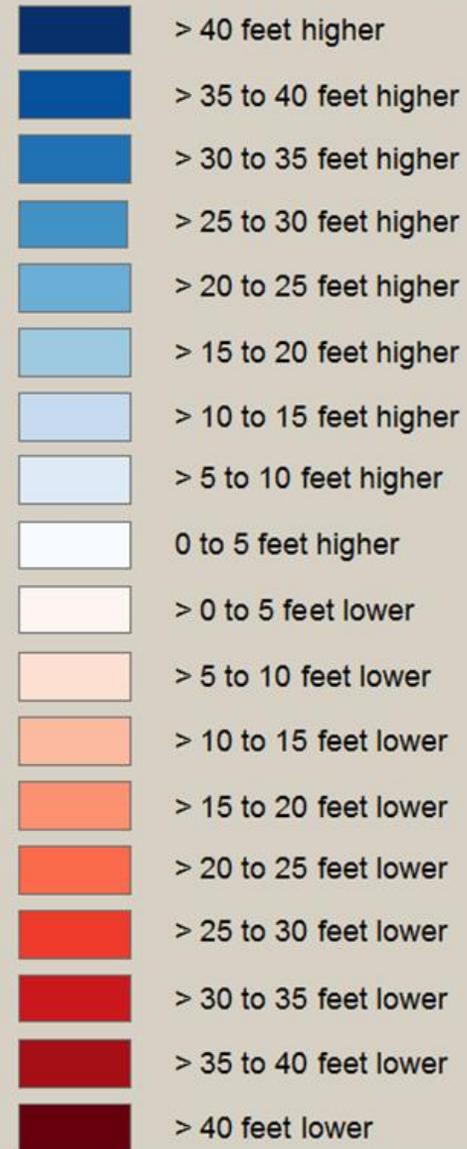


Spring 2004- 2016

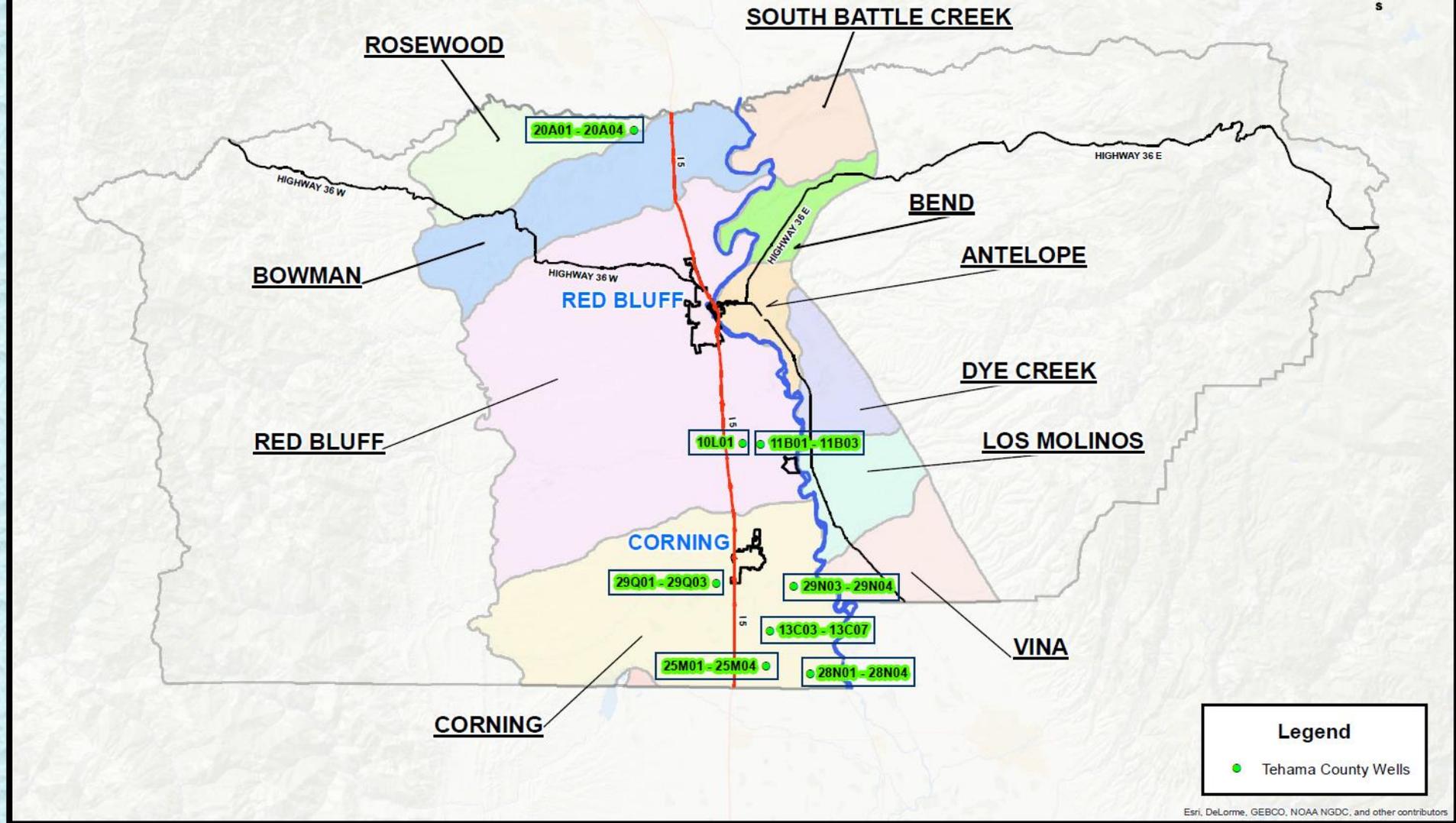
Wells(148) less than 200 feet BGS



Groundwater Elevation Change

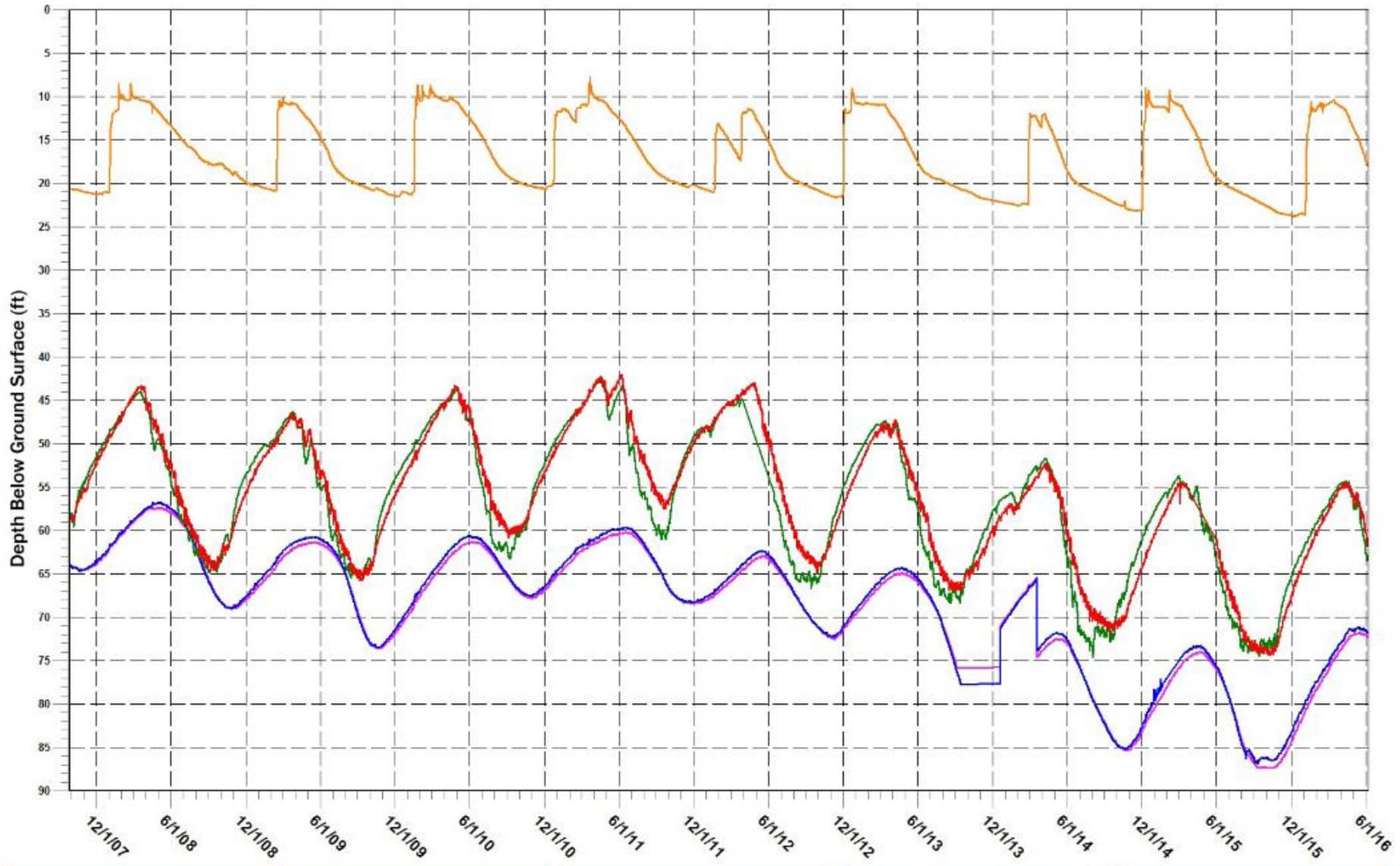


TEHAMA COUNTY GROUNDWATER MONITORING WELLS



<http://www.tehamacountypublicworks.ca.gov/flood/wells.html>

CAPAY ROAD @ HALL ROAD



13C03M: 980'
PERFORATION INTERVALS:
900'-910' & 960'-970'

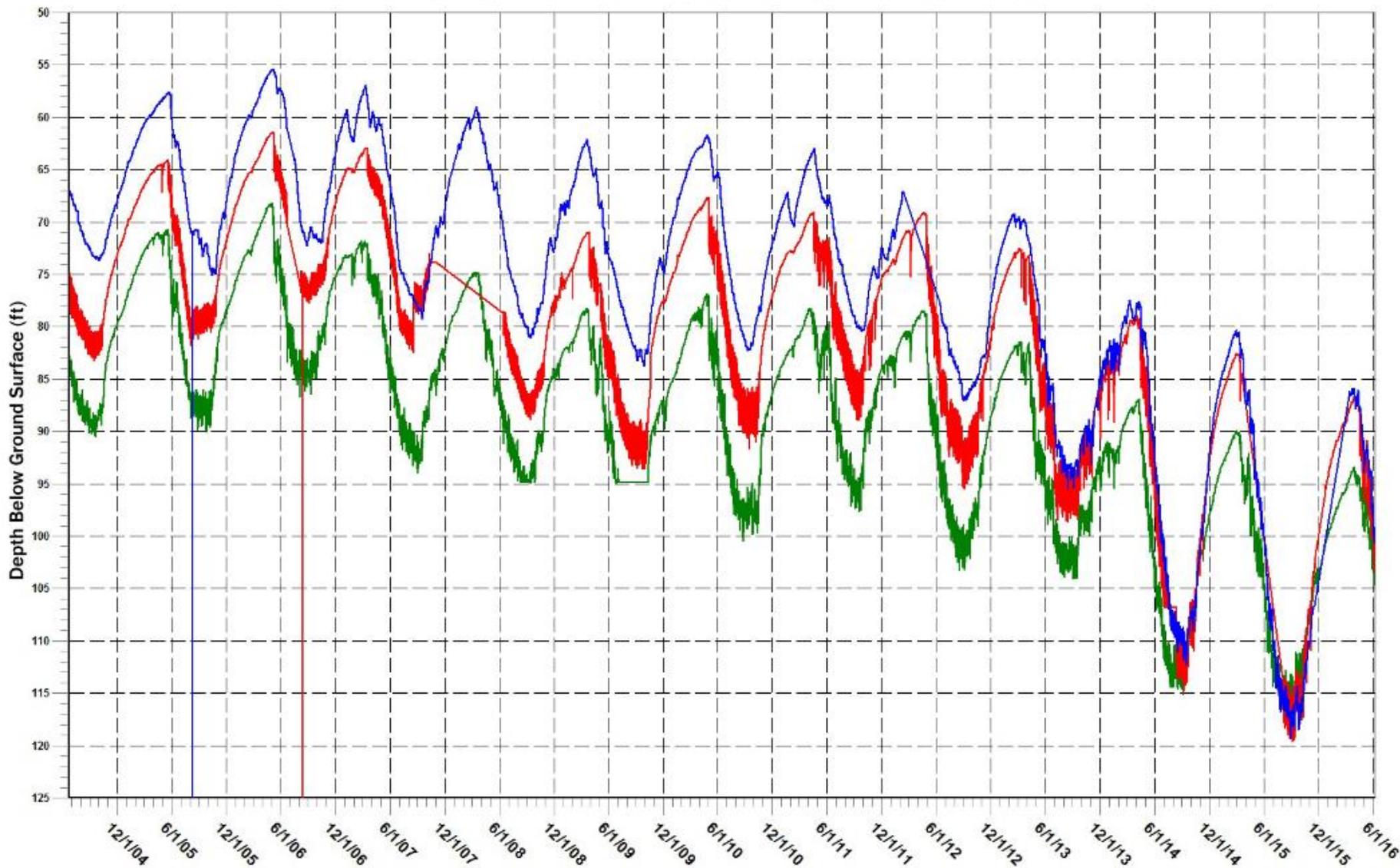
13C04M: 835'
PERFORATION INTERVAL:
815'-825'

13C05M: 381'
PERFORATION INTERVAL:
345'-355'

13C06M: 182'
PERFORATION INTERVALS:
125'-135' & 95'-105'

13C07M: 71'
PERFORATION INTERVAL:
25'-35'

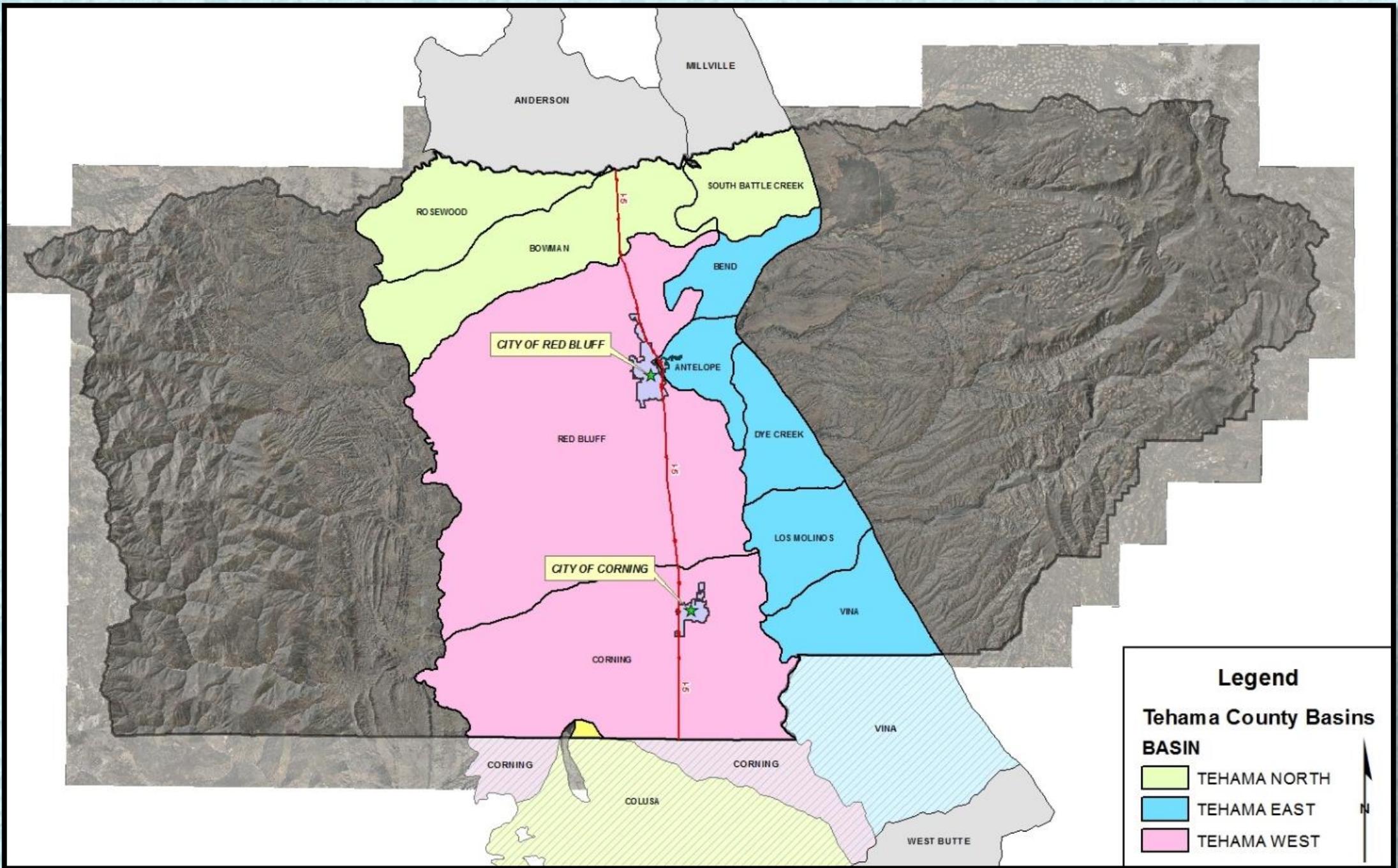
MT. SHASTA AVENUE - SOUTH OF CHITTENDEN ROAD



29Q03M: 844'
PERFORATED INTERVALS:
650'-660' & 700'-710'

29Q02M: 575'
PERFORATED INTERVALS:
490'-500' & 540'-550'

29Q01M: 372'
PERFORATED INTERVALS:
130'-140' & 230'-240' & 190'-200'
& 280'-290' & 350'-360'



Legend

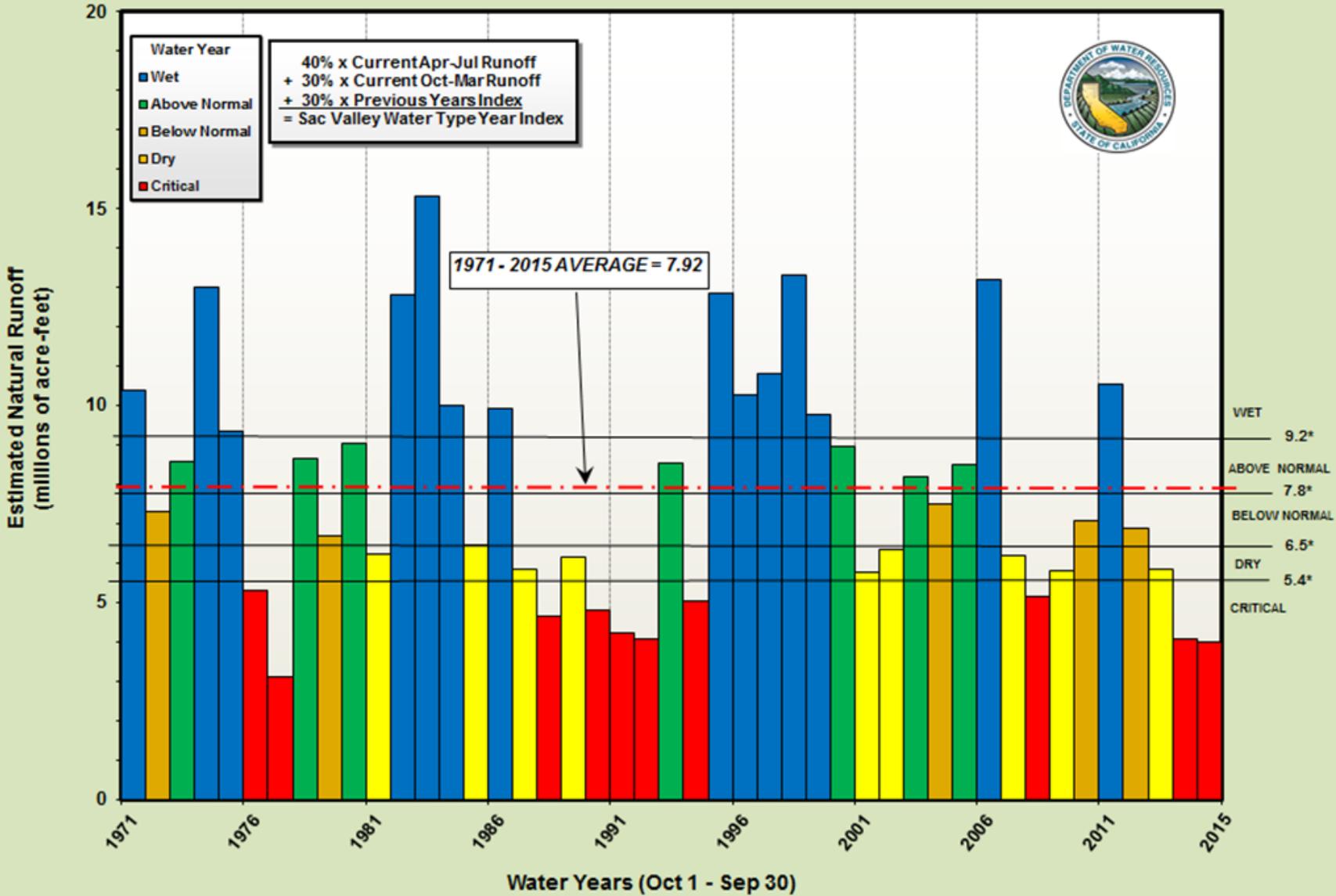
Tehama County Basins

BASIN

- TEHAMA NORTH
- TEHAMA EAST
- TEHAMA WEST

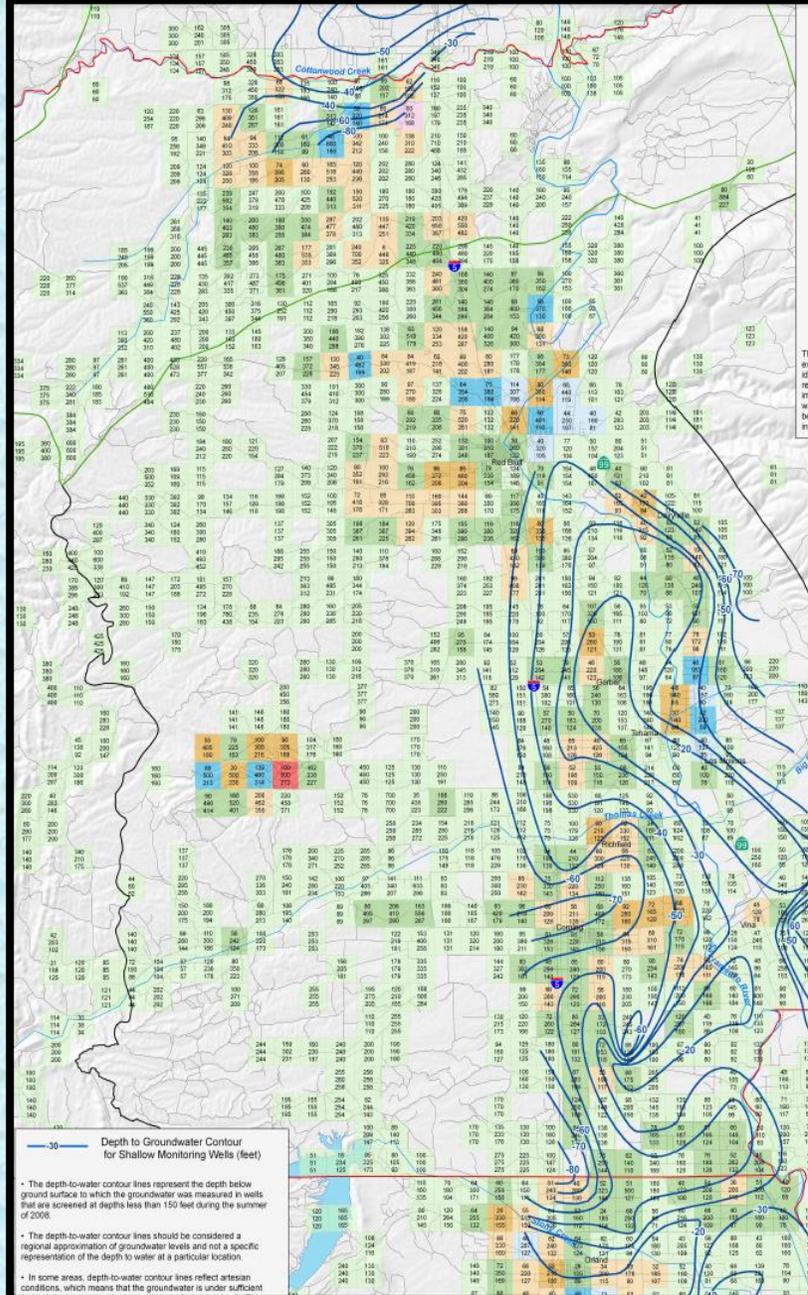
N

SACRAMENTO VALLEY WATER YEAR TYPE INDEX 1971-2015



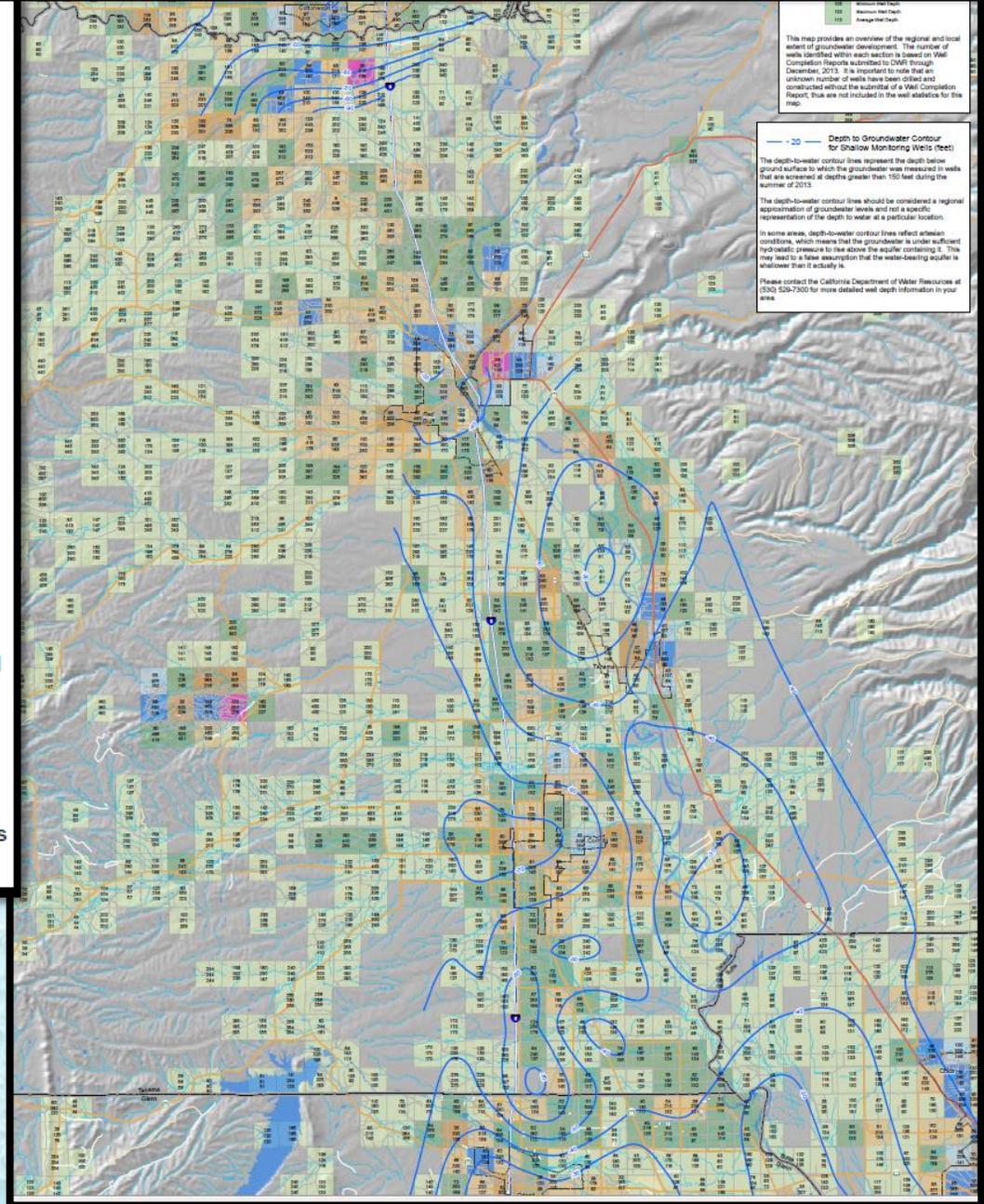
Source: California Department of Water Resources

* Index based on flow in the million acre-feet

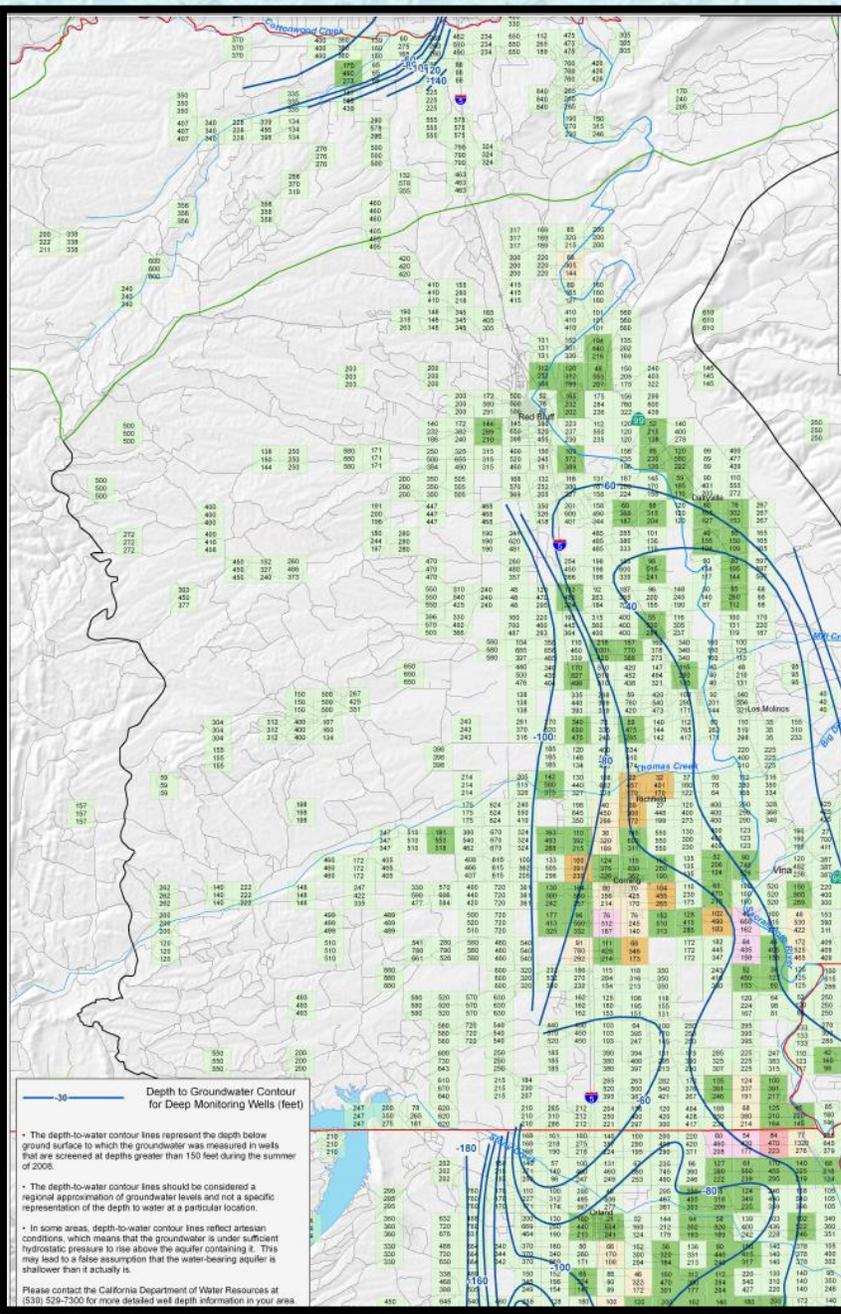


This map provides an overview of the regional and local extent of groundwater development. The number of wells identified within each section is based on Well Completion Reports submitted to DWR through December, 2013. It is important to note that an unknown number of wells have been drilled and constructed without the submittal of a Well Completion Report; thus are not included in the well statistics for this map.

Wells screened <150ft



Maps courtesy of DWR



Large Production Well Count Distribution

- 1 to 5 large production wells per
- 6 to 10 large production wells per
- 11 to 15 large production wells per
- 16 to 20 large production wells per
- 21 to 25 large production wells per
- 26 to 30 large production wells per

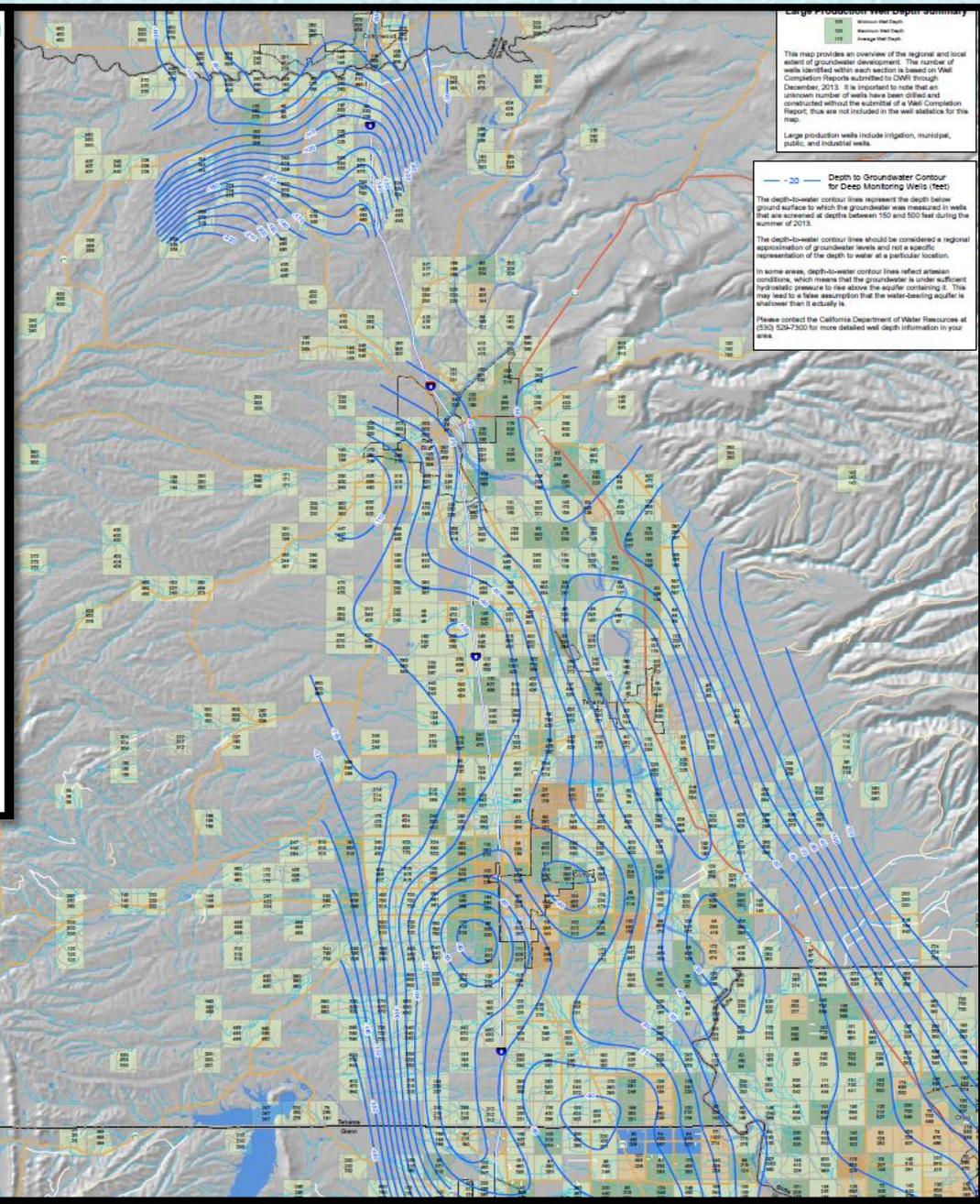
Large Production Well Depth Summary

105	Minimum Well Depth
120	Maximum Well Depth
113	Average Well Depth

This map provides an overview of the regional and local extent of groundwater development. The number of wells identified within each section is based on Well Completion Reports submitted to DWR through December, 2013. It is important to note that an unknown number of wells have been drilled and constructed without the submittal of a Well Completion Report; thus are not included in the well statistics for this map.

Large production wells include irrigation, municipal, public, and industrial wells.

Wells
screened
>150ft



2009

Maps courtesy of DWR

2013



2009

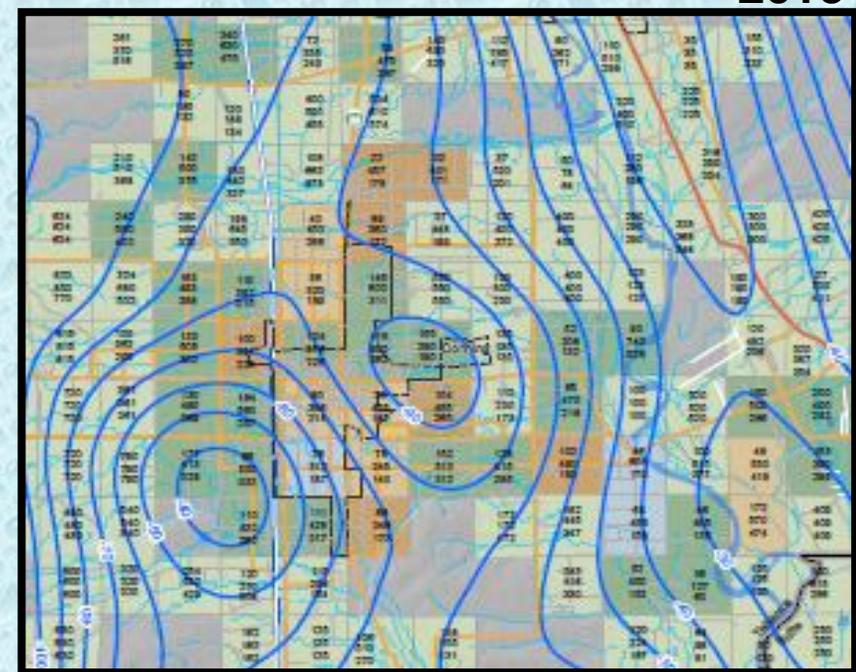


2009

Wells screened greater than 150 ft



2013



2013

Wells screened less than 150 ft

Questions

- **Sustainable Groundwater Management Act**

- On September 16, 2014, Governor Brown signed SB1168, AB1739, and SB1319 into law, enacting SGMA
- SGMA became effective on January 1, 2015

- **Tehama County Groundwater Sustainability Agency**

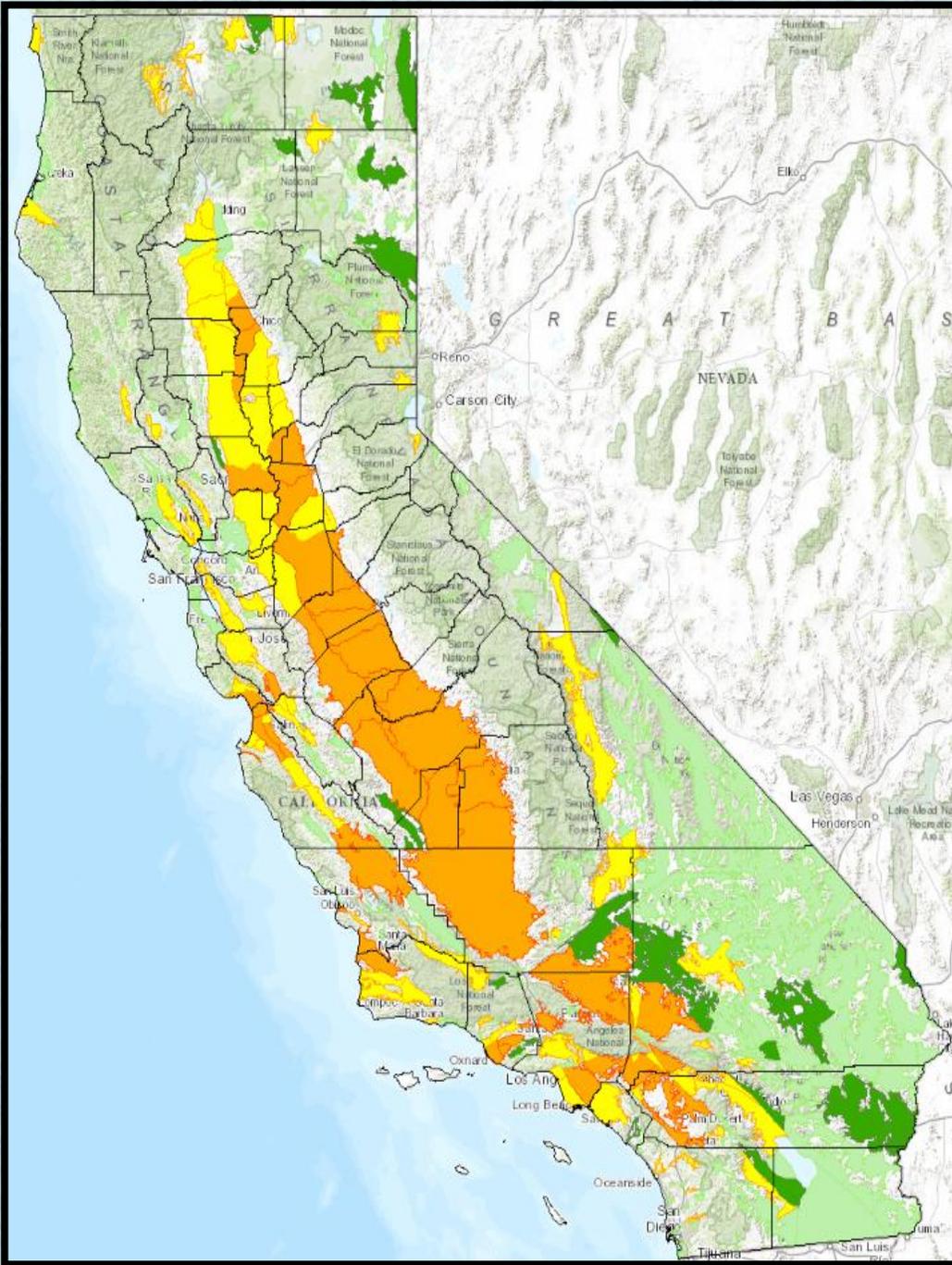
What is SGMAs purpose?

1. Promote sustainable management of groundwater basins
2. Enhance local management of groundwater, state to step in if necessary
3. Avoid or minimize impacts for land subsidence
4. Improve data collection and understanding of groundwater resources and management

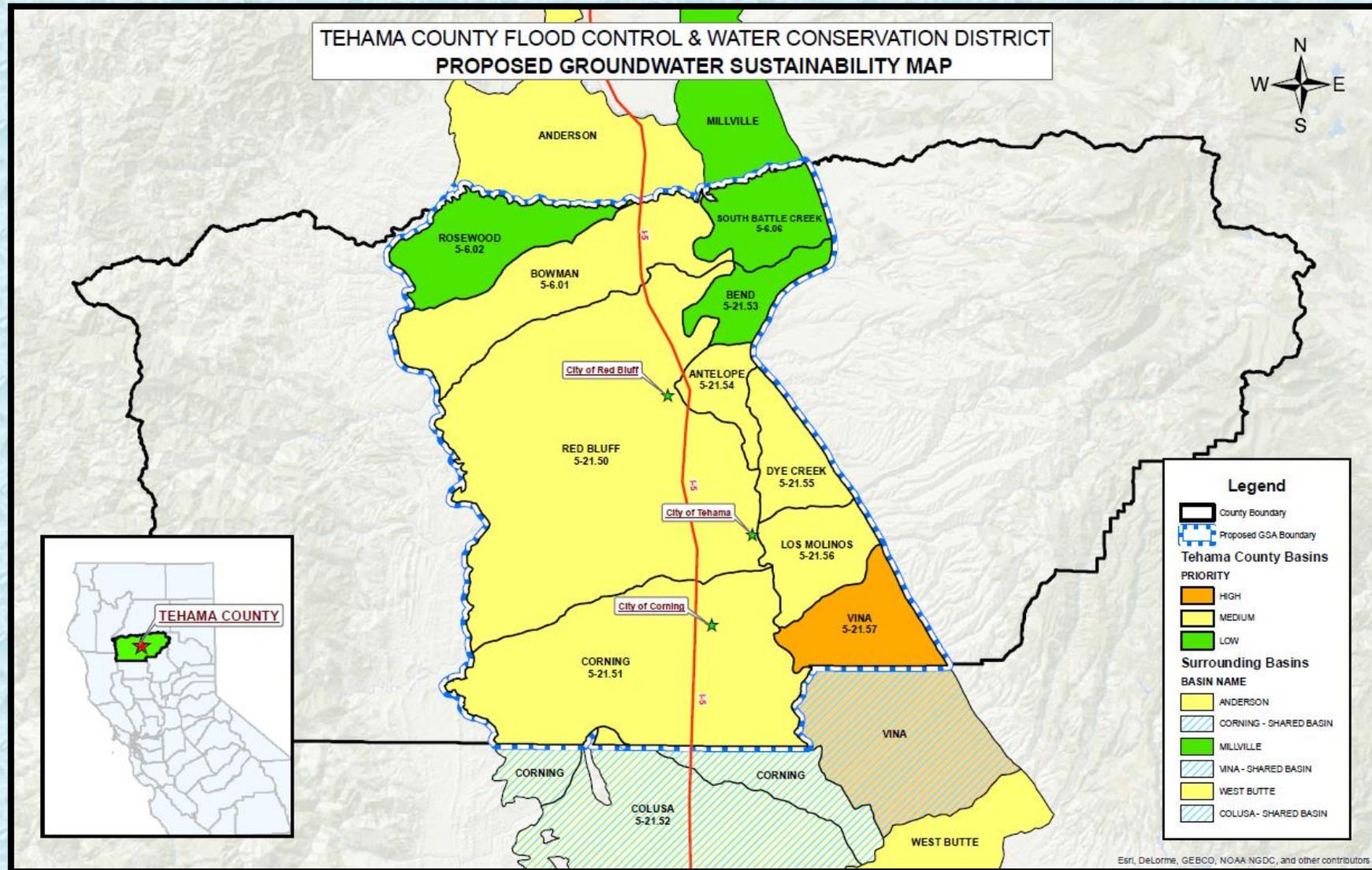
1. Promote Sustainable Management Of Groundwater Basins

➤ **California currently has 43 High Priority and 84 Medium Priority Basins**

➤ **Increase in Population and Agricultural Production**



2. Enhance local management of groundwater, state to step in if necessary



Tehama County has 1 High Priority, 7 Medium Priority, and 3 Low Priority Basins

3. Avoid or minimize impacts for land subsidence



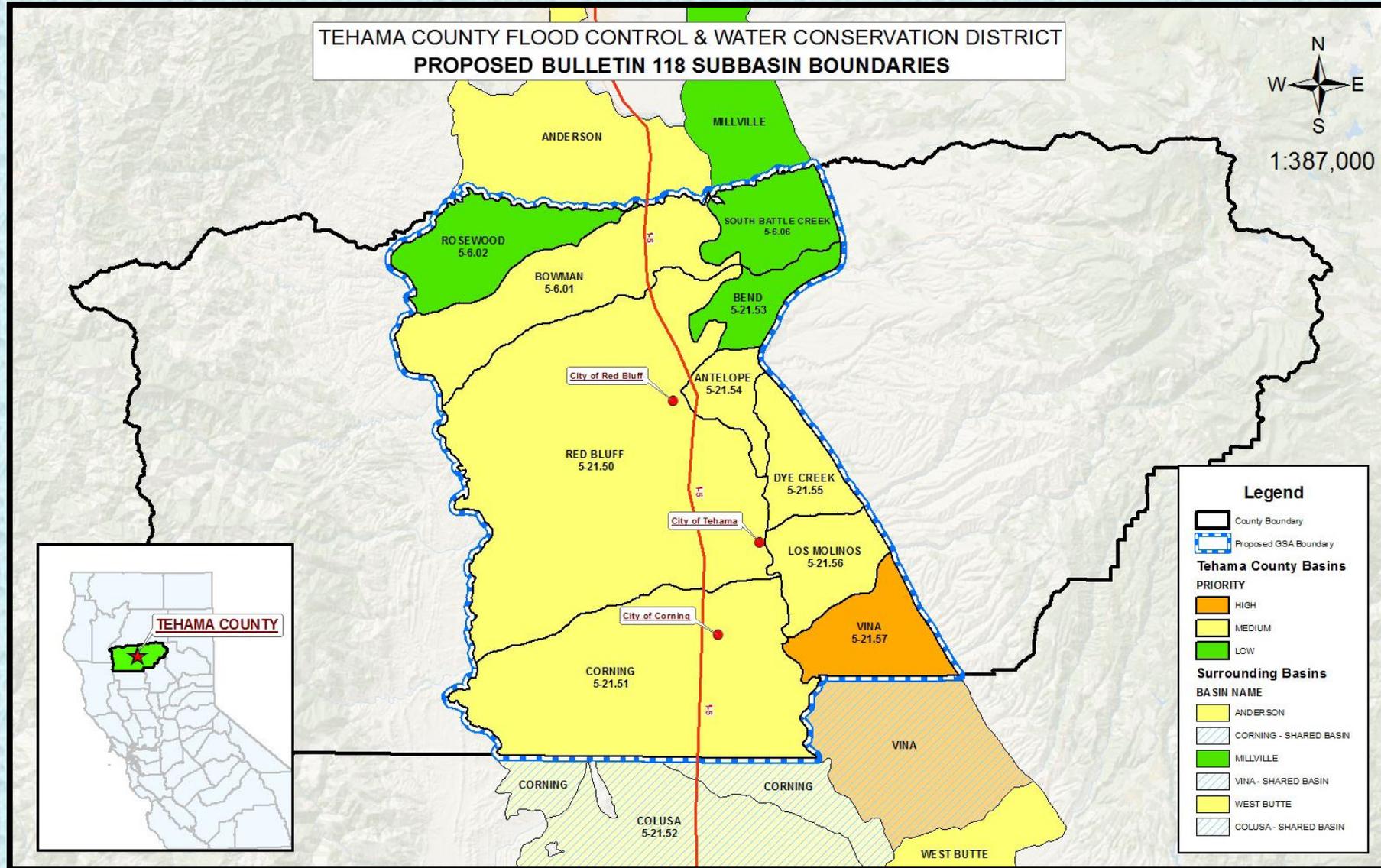
4. Improve data collection and understanding of groundwater resources and management



Sustainable Groundwater Management Act Timeline

- **June 30, 2017:** Deadline to form a Groundwater Sustainability Agency
- **January 31, 2022:** Groundwater Sustainability Plans required for all high and medium priority groundwater basins
- **January 31, 2042:** Basins must achieve sustainability

Tehama County Groundwater Sustainability Agency

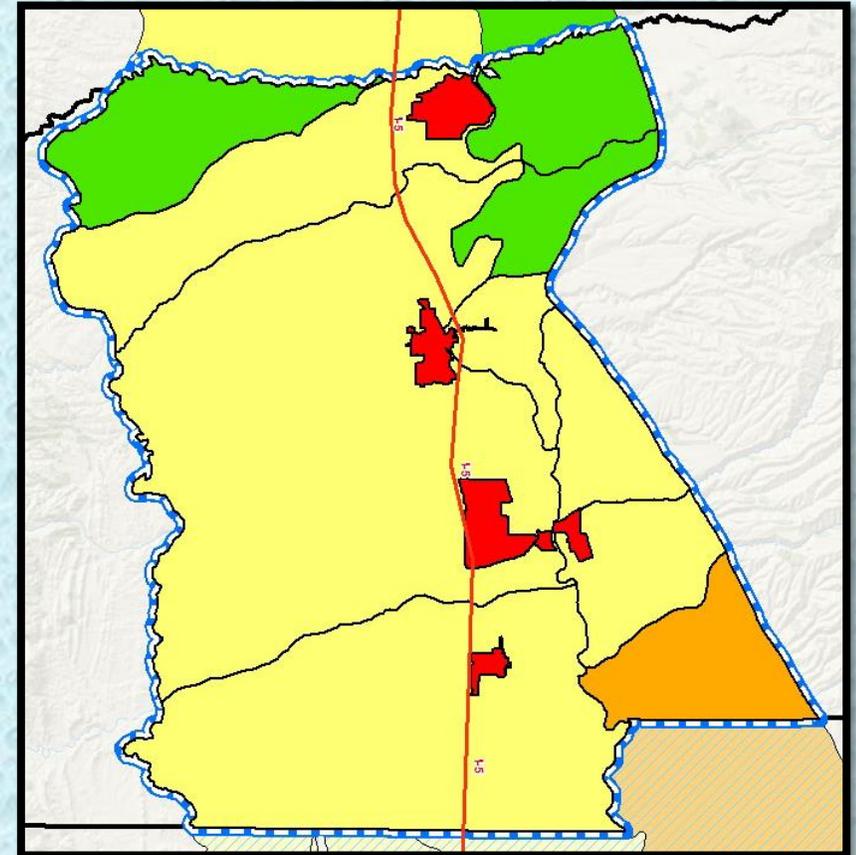


Governance Structure

- Governing Board – Tehama County Flood Control & Water Conservation District Board of Directors (County Board of Supervisors)
- Groundwater Commission (similar to Planning Commission)
- Technical Advisory Committee

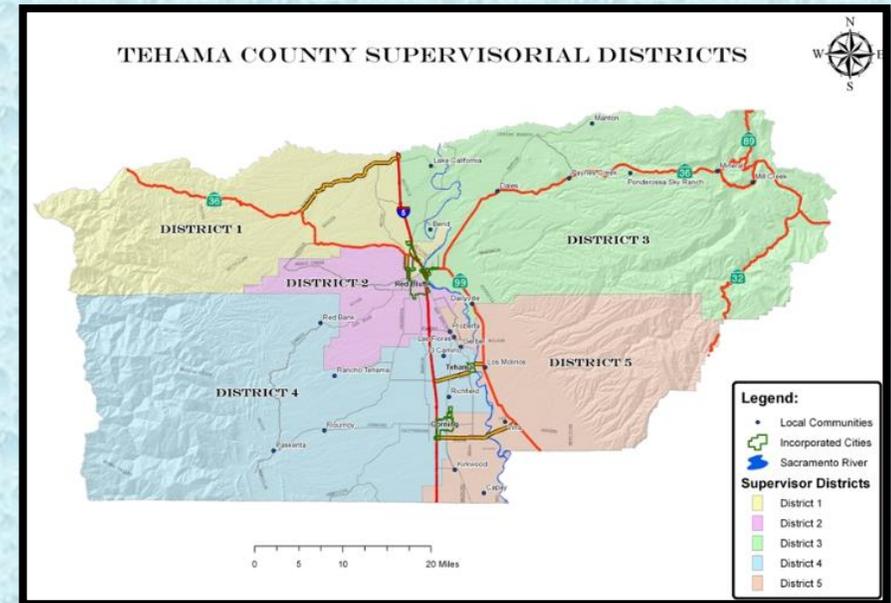
Groundwater Commission

- **The Commission will be made up of 11 members**
- **6 agencies will have designated seats on the commission and appoint their own members.**
 - 1 – City of Corning – 773 million gallons per year (GPY)
 - 1 – City of Red Bluff – 1.18 billion GPY
 - 1 – City of Tehama – 35 million GPY
 - 1 – El Camino Irrigation District – 2.28 billion GPY
 - 1 – Los Molinos Community Services District – 70 million GPY
 - 1 – Rio Alto Water District – 241 million GPY



- 5 additional members will be made up of 1 representative from each County Supervisor District

- Recommendations to be made by the seated Groundwater Commission members and confirmed by the FCWCD Board of Directors;
- Members should be a resident, property owner, or groundwater user within Tehama County;
- Appointees will be expected to meet certain qualifications:
 - ✓ 2 members should represent surface water agencies/districts;
 - ✓ 2 members should represent private pumpers;
 - ✓ 1 member will be an “at large” representative;
 - ✓ No Agency or district shall be represented by more than 1 member on the Groundwater Commission.



Groundwater Commission Duties

- Develop GSP and all GSA ordinances, rules, and regulations, making final recommendations to the Board of Directors.
- Conduct investigations to determine the need for groundwater management, monitor compliance and enforcement, and propose fee increases.
- Review all proposed grant applications
- Decision-making authority for permits or similar entitlements
- Make quasi-judicial decisions in GSA enforcement matters



Next Steps

- Form Groundwater Committee
 - ✓ 6 designated agencies select members
 - ✓ Selecting 5 additional members
 - ✓ Training on Brown Act, SGMA, GSP regulations
 - ✓ Write bylaws

- Start working on the GSP





Tehama County Public Works



9380 San Benito Avenue, Gerber, CA 96035-9701 Phone: (530) 385-1462

Engineering | Flood Control & Water Resources | Operations & Maintenance | Transportation Commission | Transit Agency Board | TRAX & Transit Information

Google Custom Search

Select Language

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Public Works Home

- Employment Opportunities
- GIS Information
- Weather & Forecast
- ± Road Closures & Storm Information

Engineering Division

- Land Development
- Permits
- ± Projects & RFP's

Flood Control & Water Resources

- Drought Information
- Floodplain Management
- Levee Systems
- ± Emergency Flood Information
- ± Groundwater Information
 - CASGEM
 - Groundwater Management
 - Groundwater Well Monitoring
- ± Meetings
- ± Surface Water
- ± Sustainable Groundwater Management
 - Sustainable Groundwater Mgmt. Act
 - Groundwater Sustainability Agency
 - Basin Boundary Adjustments
 - Groundwater Sustainability Plan
 - SGMA Presentations
- ± Water & Environmental Agencies

Tehama County Flood Control & Water Conservation District

Ryan Teubert

Flood Control & Water Resources Manager

(530) 385-1462

rteubert@tcpw.ca.gov

The Tehama County Flood Control & Water Conservation District was originally established in 1957 by the Tehama County Flood Control and Water Conservation District Act. This Act defined the boundary and territory of the District as follows: "all that territory of the County of Tehama lying within the exterior boundaries thereof."

Basin Boundary Modifications Public Comment Meeting

The initial basin boundary modification request submission period and the public comment period for each of modification requests is closed and the technical review of requested basin boundary modifications and public input is underway. Once complete, DWR will publish a Draft Approved Basin Boundary Modification list on their website. In July, DWR will host a series of public meetings to present the draft modifications and hear any additional public comment. The Northern Region meeting will be held in Redding on Tuesday, July 12, 2016 from 3:00-6:00 PM, at 777 Cypress Avenue, Redding, CA 96001, Civic Center Community Room.

Following the July public meetings, the public comment will be summarized and presented to the California Water Commission, which will hear the modifications and provide the public an opportunity to comment. Following consideration and potential incorporation of comments heard, DWR will publish the final basin boundary modifications. Per SGMA, these new basin definitions will be evaluated under the basin prioritization process and documented in the interim update of Bulletin 118. For any questions please contact the DWR Northern Region Office (Red Bluff) – Bill Ehorn, Bill.Ehorn@water.ca.gov

Statewide Emergency Water Conservation Regulations - Adopted May 18, 2016

The State Water Resources Control Board (Water Board) shall, as soon as practicable, adjust emergency water conservation regulations through the end of January 2017 in recognition of the differing water supply conditions across the state. To prepare for the possibility of another dry winter, the Water Board shall also develop, by January 2017, a proposal to achieve a mandatory reduction in potable urban water usage that builds off of the mandatory 25% reduction called for in Executive Order B-29-15 and lessons learned through 2016. Click to continue reading...

University of California Cooperative Extension - Irrigation Technology Workshop

The University of California Cooperative Extension invites fruit and nut crop producers in the northern Sacramento Valley to attend a combination workshop/field day on Thursday, June 16, 2016. UC speakers will set the stage for the following field day by highlighting the importance of irrigation management to nut and fruit production and providing background information on a variety of irrigation

SGM Sustainable Groundwater Management



Introduction

The Department of Water Resources (DWR) has developed a Strategic Plan for its Sustainable Groundwater Management (SGM) Program. DWR's SGM Program will implement the new and expanded responsibilities identified in the 2014 Sustainable Groundwater Management Act (SGMA). Some of these expanded responsibilities include: (1) developing regulations to revise groundwater basin boundaries; (2) adopting regulations for evaluating and implementing Groundwater Sustainability Plans (GSPs) and coordination agreements; (3) identifying basins subject to critical conditions of overdraft; (4) identifying water available for groundwater replenishment; and (5) publishing best management practices for the sustainable management of groundwater.

Announcements

🚨 GSA notification received

DWR has received a notification of formation of a Groundwater Sustainability Agency. View the notification [here](#).

🚨 Draft GSP Emergency Regulations Guide Now Available

A guide to understanding the Draft GSP Emergency Regulations is now available [here](#). *This guide does not serve as a substitute for the Draft GSP Emergency Regulations.

🚨 Draft Groundwater Sustainability Plan (GSP) Emergency Regulations and Public Meetings

Draft GSP Emergency Regulations have been released. View the regulations and information on public meetings and how to comment [here](#).

🚨 Draft GSP Emergency Regulation Webinar (March 24, 2016)

Legislative Oversight Hearing on State Implementation of SGMA

On February 23, 2016, there was a Legislative Oversight Hearing on State Implementation of SGMA. Watch the hearing [here](#).

Final List of Critically Overdrafted Basins

DWR has posted the Final List of Critically Overdrafted Basins. View the list [here](#).

Basin Boundary Modification Request Requirements and Procedures Webinar

A recording of the webinar to provide information regarding the Basin Boundary Modification Request submission procedures and requirements is available. Please view the recording and presentation [here](#).

Groundwater Sustainability Program Draft Strategic Plan

DWR has developed a Draft Strategic Plan for its Sustainable Groundwater Program. The draft plan describes DWR's responsibilities and vision for carrying out the Sustainable Groundwater Management Act, a package of laws that aim to protect the groundwater basins that provide more than half of the water Californians use in dry years. The draft plan outlines key actions DWR will undertake over the next several years to position itself to better support local agencies across California to achieve sustainable groundwater management. To read the plan, click

GROUNDWATER HOME

SUSTAINABLE GROUNDWATER MANAGEMENT

- » Adjudicated Basin Reporting
- » Basin Boundary Modifications
 - » BBAT - Basin Boundary Assessment Tool
 - » BMRS - Basin Boundary Modification Request System
- » Critically Overdrafted Basins
- » Communication and Outreach
 - » Advisory Groups
 - » Statewide SGMA Calendar
 - » Region Office Contacts
 - » Subscribe for Email Updates
- » Groundwater Sustainability Agencies
 - » GSA Formation Table
 - » GSA Interactive Map
 - » GSA Notice Revisions
- » Groundwater Sustainability Plan Regulations
 - » GSP Public Comments
 - » Best Management Practices
- » Initial Basin Prioritization
- » Resources
 - » Water Mgmt. Planning Tool
 - » SGWP Grant Program
 - » Facilitation Support Services
 - » SGMA Definitions
 - » Related Links

Questions

Ryan Teubert

Tehama County Flood Control and
Water Conservation District

530-385-1462

rteubert@tcpw.ca.gov

Tehama County FCWCD:

<http://www.tehamacountywater.ca.gov>

DWR:

http://www.water.ca.gov/groundwater/data_and_monitoring/northern_region/groundwaterlevel/gw_level_monitoring.cfm#well