

# **CONDOR EARTH**

## **MCCV Update Implementation of California's Sustainable Groundwater Management Act of 2014 (SGMA)**

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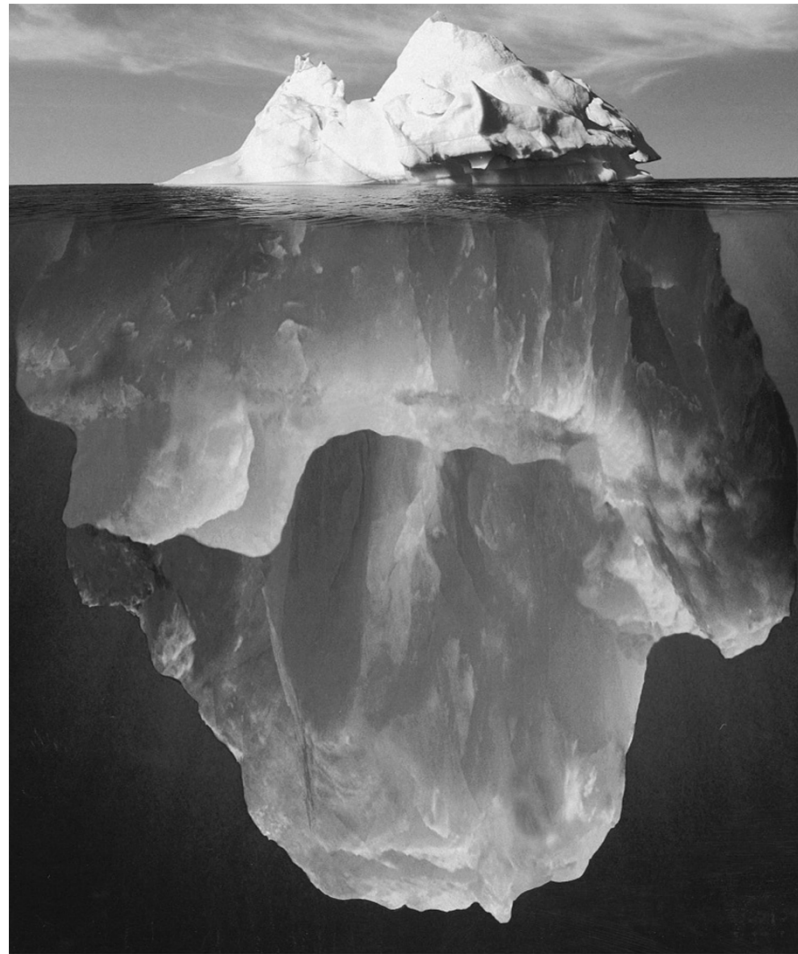


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## *SGMA is the tip of the Iceberg*

*SGMA is the top  
10% you can see.*

*The other 90% is  
what sank the  
Titanic.*



*SGMA's  
foundation is  
subbasin hydrology,  
groundwater law  
and established  
methods.*



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## **SGMA Oversight Agencies**

**Department of Water Resources (DWR)**

**State Water Resources Control Board (SWRCB)**

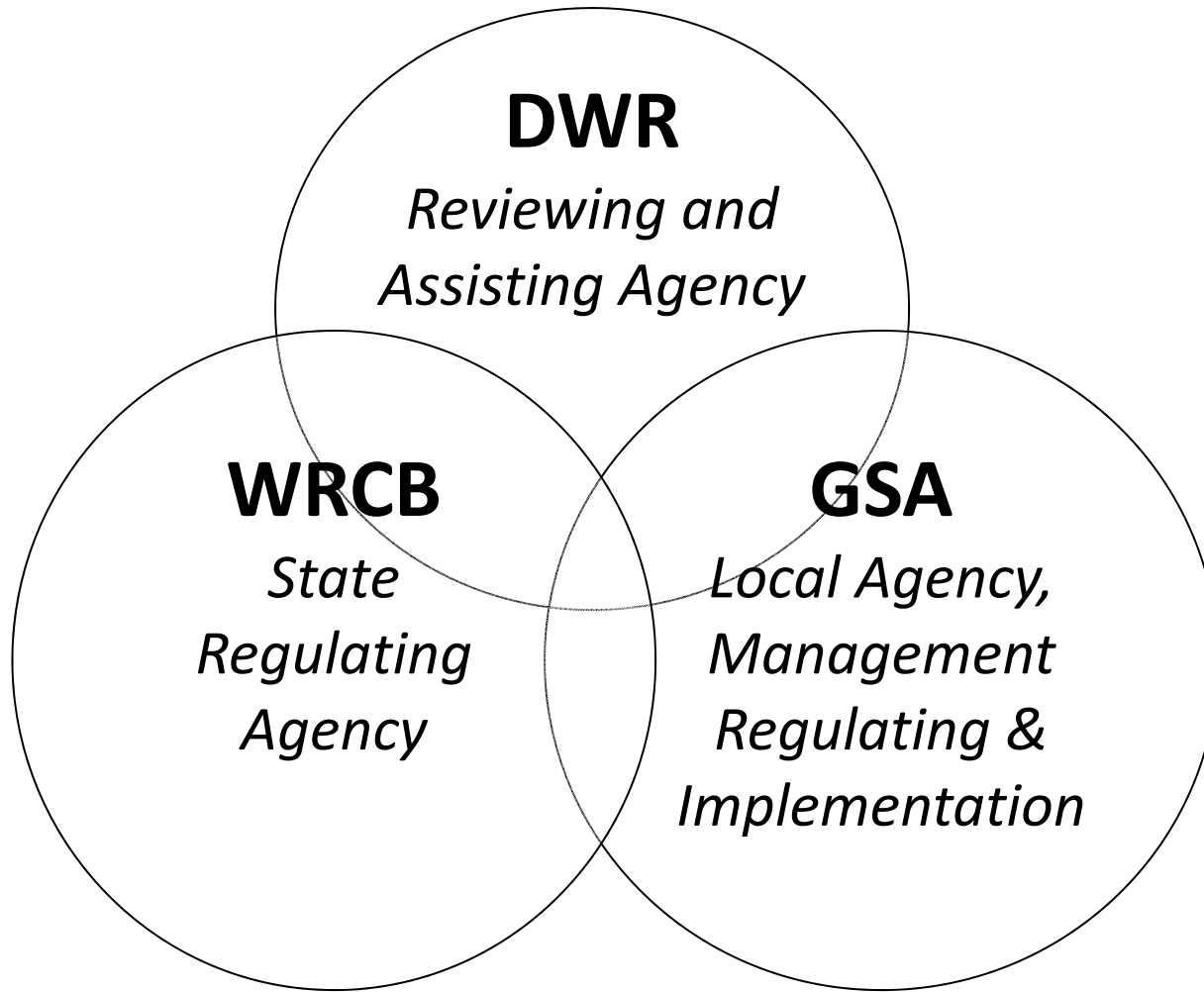
**Groundwater Sustainability Agencies (GSA)**

GSA's have powers to impose fees and regulate groundwater extractions.



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## Stakeholder General Roles and Responsibilities



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## Groundwater Sustainability Agencies (GSA)

- a) Formed by counties, special districts, and mutual water companies via JPA, MOU, or other agreements.
- b) If other than a county, GSA can only encompass the service areas of member local agencies within a basin or subbasin.
- c) Must be established by June 30, 2017 for medium and high priority basins.
- d) State backstop starts July 1, 2017, if GSA not formed.

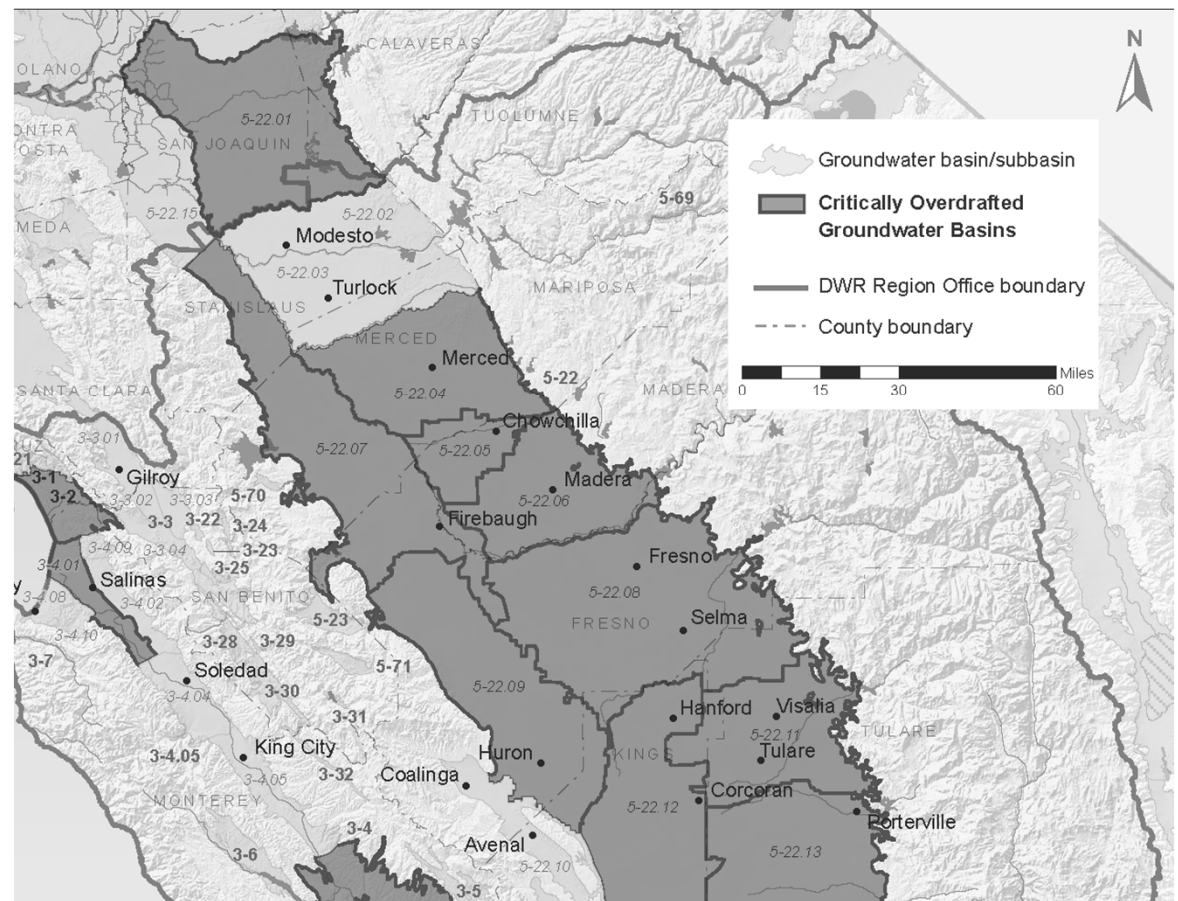


# Groundwater subbasins are the planning areas

Most San Joaquin Valley subbasins have been designated as being **Critically Overdrafted**

Critically Overdrafted  
subbasins must adopt  
a GS Plan by  
1/31/2020; all others  
by 1/31/2022

## Critically Overdrafted Groundwater Basins – January 2016 — North Central and South Central Regions



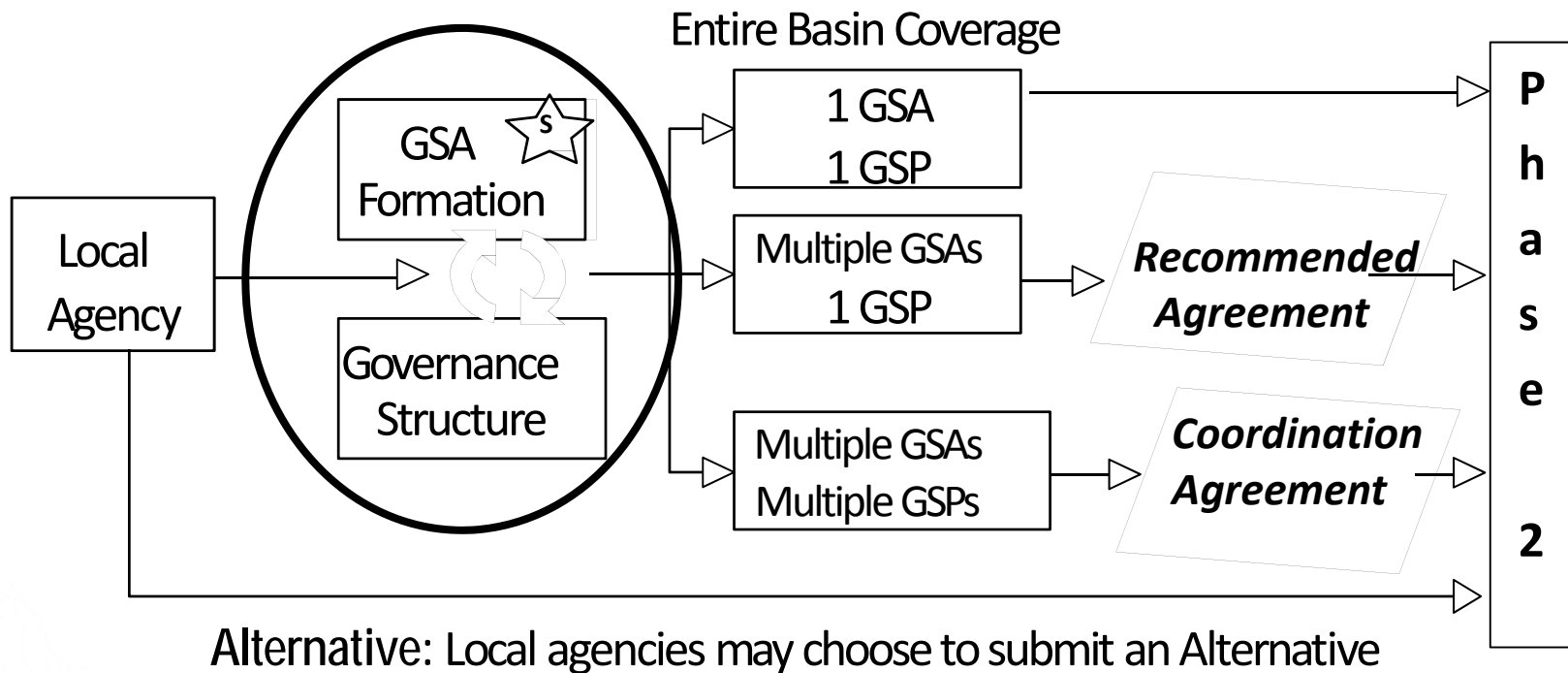
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## *GSP Emergency Regulations Guide*

[http://water.ca.gov/groundwater/sgm/pdfs/GSP\\_Final\\_Regs\\_Guidebook.pdf](http://water.ca.gov/groundwater/sgm/pdfs/GSP_Final_Regs_Guidebook.pdf)

### Phase 1

### GSA Formation and Coordination



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## GSA Formation

Overlapping boundaries & competing interests complicate GSA formation & governance in East San Joaquin and other subbasins.

GSA Formation Notifications Received by DWR as of 8/10/16				
Entity	Sub-basin & No.	County	Date	Comment
<u>County of San Joaquin</u>	Eastern San Joaquin 5-22.01	San Joaquin	1/5/2016	Overlap
<u>City of Lodi</u>	Eastern San Joaquin 5-22.01	San Joaquin	2/9/2016	Overlap
<u>North San Joaquin Water Conservation District</u>	Eastern San Joaquin 5-22.01	San Joaquin	3/1/2016	Overlap
<u>Lockeford Community Services District</u>	Eastern San Joaquin 5-22.01	San Joaquin	12/29/2015	Overlap
<u>City of Stockton</u>	Eastern San Joaquin 5-22.01	San Joaquin	12/29/2015	Overlap
<u>South San Joaquin Irrigation District</u>	Eastern San Joaquin 5-22.01	Stanislaus	11/19/2015	Overlap
<u>Stockton East Water District</u>	Eastern San Joaquin 5-22.01	San Joaquin	10/22/2015	Overlap

## Governance Options

MOA for multi-agency GSA, JPA for GSP preparation, implementation and enforcement, umbrella “Activity Agreement” for preparation of a single basin-wide GSP.



## DWR awarded nearly \$7 million to aid counties



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## Groundwater Sustainability Plans (GSP)

- a) SGMA specifies GSP to be based on subbasin water balances (inflow-outflow).
- b) Evaluated by DWR; if GSP inadequate or not adopted by deadline, SWRCB can impose interim GSP.
- c) GSPs for Critically Overdrafted Subbasins must be adopted by 1/31/2020; all others by 1/31/2022.
- d) All GSPs within same subbasin must be coordinated by written agreement.



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## Potential Corrective Actions in Critically Overdrafted Basins

- a) **Restrictions on Drilling of New Wells**
- b) **Groundwater Replenishment Projects**  
e.g. stormwater capture projects
- c) **GSA-imposed Pumping Limits**  
according to hierarchy of groundwater rights  
already established for adjudicated basins



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## GROUNDWATER RIGHTS PRIORITIES within an Overdrafted Groundwater Subbasin/Basin

Most Junior Right	<b>Untapped/Dormant Appropriator</b>	<b>Agreements &amp; Guarantees</b> may change the order of priorities for specific pumpers within the subbasin or basin
	<b>Untapped/Dormant Overlyer</b>	
	<b>Junior Appropriator</b> (2 <sup>nd</sup> in Time = 2 <sup>nd</sup> in Right)	
	<b>Senior Appropriator</b> (1 <sup>st</sup> in Time = 1 <sup>st</sup> in Right)	
	<b>Overlyer &amp; Prescribing Appropriator</b>	
Most Senior Right	<b>Surface Water Importer</b>	

After Griffith & Masuda

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**Document your pumping to  
establish your priority rights**

Annual report of groundwater extraction will be required using GSA-approved documentation methods, metering, power consumption or historical crop production records.

SGMA Information Module

[www.condorearth.com](http://www.condorearth.com)

*News or Downloads*



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## First notice groundwater extractions forms just out!



State Water Resources Control Board

### INSTRUCTIONS FOR FILING FIRST NOTICE GROUND WATER EXTRACTION

A SEPARATE FIRST NOTICE FOR EACH WELL should be typewritten or legibly written in ink. Where supplemental sheets are used, please make reference to the item number involved. Instructions for completing different ITEMS in the First Notice are as follows:

1. The person (or firm) in whose name the notice is to be recorded should be stated here. Please use the same name for all wells.
2. Names of persons not included in Item 1 who are known to be using the well or claim an interest in water extracted there from should be listed in this item or on a supplemental sheet. It is not necessary to include names of persons if the extractor is a mutual water company, public utility or public agency.

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## Summary

- a) SGMA implementation requires local initiative in a complex political landscape.
- b) GSAs will have power to collect fees and restrict pumping to enforce sustainable groundwater management.
- c) State will take over if planning is inadequate or deadlines are not achieved.
- d) Existing groundwater users will face challenges to justify use and avoid curtailment in critically overdrafted basins.



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