

California's Groundwater Supports...

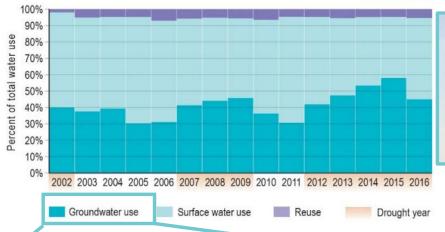


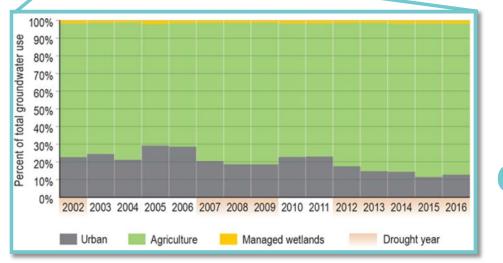
The Environment

Businesses

California's Groundwater Conditions



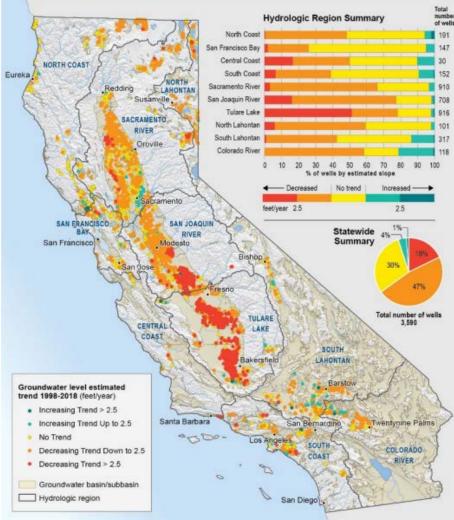




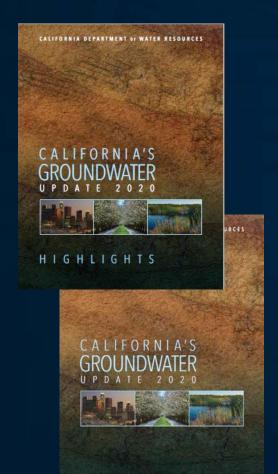
SERIOUS DROUGHT HELP SEVE WHIER

In dry years,
up to 60% of
California's
water supply
comes from
GROUNDWATER

Figure H-14: Statewide Groundwater Level Trends (1998–2018)



California's Groundwater (B-118): Update 2020



Highlights (English and Spanish)

- Summary of Statewide Report
- Key Findings & Recommendations

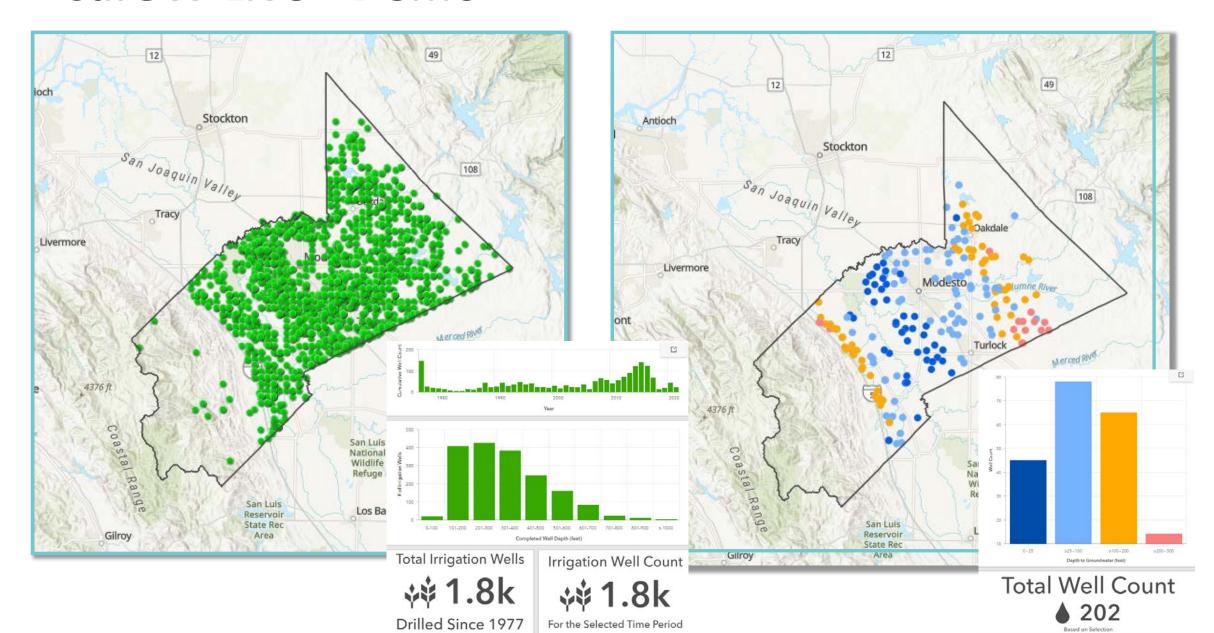
Statewide Report (English)

- 1. Introduction
- 2. Groundwater: Occurrence, Economic Value, and Climate Change
- 3. Groundwater: Use, Extraction, and Water Budgets
- 4. Groundwater Management
- 5. Groundwater Monitoring
- 6. Groundwater Conditions
- 7. Regional Groundwater at a Glance





CalGW Live - Demo



First Decisions Released on Local SGMA Plans

- Staggered approach for releasing DWR decisions
- June 3 release included:

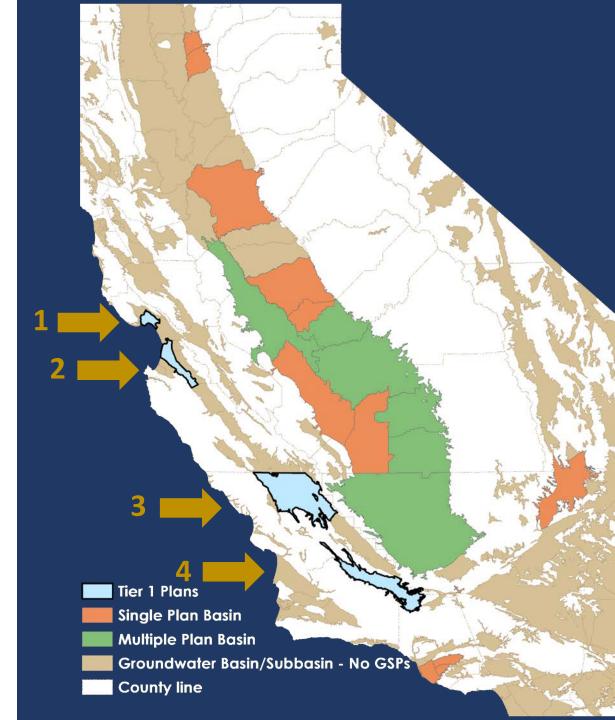
Approved Plans

- 1. Santa Cruz Mid-County Basin
- 2. 180/400 Foot Aquifer Subbasin

Notified Locals to Consult on Plan Deficiencies

(final determination to be released by January 2022)

- Paso Robles Subbasin
- 4. Cuyama Valley Basin
- Other critically-overdrafted basins will receive determinations throughout this year to meet DWR's overall January 2022 statutory deadline
- Assessment information & video message:
 https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management/Groundwater-Sustainability-Plans



Initial GSP Findings

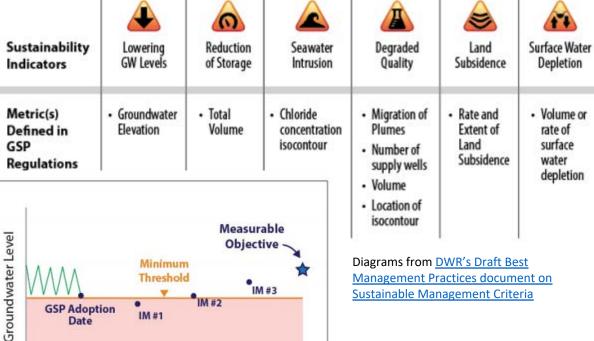
- Eliminating overdraft is central to SGMA but not the only requirement
- This should be done in concert with avoiding Undesirable Results and the development of Sustainable Management Criteria (SMCs)

SMCs need to be developed with consideration of all beneficial uses and users

Sustainable Management Criteria that consider **Beneficial Uses and** Users



In general, the **sustainable** yield of a basin is the amount of groundwater that can be withdrawn annually without causing undesirable results



2040

IM #3

2035

Minimum Threshold

2030

2025

GSP Adoption

2020

2015

Diagrams from DWR's Draft Best Management Practices document on Sustainable Management Criteria

Initial GSP Findings, cont.

- Identify and define undesirable results
 - Significant and unreasonable effects in a basin
- Define the minimum thresholds & measurable objectives (goal)
 - Justification for the minimum thresholds
 - Evaluate and disclose the effects on beneficial uses and users
- Include projects and actions that are consistent with avoiding undesirable results and mitigating overdraft
 - Comprehensive approach with supply augmentation & demand reduction strategies
- Clearly show work and identify data gaps

Stakeholder Engagement Chart for GSP Development

Category of Interest	Examples of Stakeholder Groups	
General Public	Citizens groups Community leader	
Land Use	Municipalities (City, County planning departments) Regional land use agencies	
Private users	Private pumpers Domestic users Schools and colleges Hospitals	
Urban/ Agriculture users	Water agencies Irrigation districts Municipal water companies Resource conservation districts Farmers/Farm Bureaus	
Industrial users	Commercial and industrial self-supplier Local trade association or group	
Environmental and Ecosystem	Federal and State agencies (Fish and Wildlife) Wetland managers Environmental groups	
Economic Development	Chambers of commerce Business groups/associations Elected officials (Board of Supervisors, City Council membe) State Assembly members State Senators	
Human right to water	Disadvantaged Communities Small community systems Environmental Justice Groups	
Tribes	Tribal Government	
Federal and State lands	Military bases/Department of Defense Forrest service National Park Service Bureau of Land Management California Department of Fish and Wildlife	
Integrated Water Management	Regional water management groups (IRWM regions) Flood agencies Recycled water coalition	

California Department of Water Resources SGMA Stakeholder Communication and Engagement Digital Toolkit



Guidance Document for Groundwater Sustainability Plan

Stakeholder Communication and Engagement

Actions Related to Drinking Water

- Incorporate best available data on groundwater conditions, water quality and well infrastructure
- Evaluate and disclose the impacts of the management criteria on groundwater infrastructure, including domestic wells
- Inventory and better define the location of active wells in the next GSP update
- Document known impacts to drinking water users caused by groundwater management, in annual reports and GSP updates should they occur
- Consider including mitigation strategies describing how drinking water impacts will be addressed that may occur due to continued overdraft during the period between the start of GSP implementation and achievement of the sustainability goal
- Continue ongoing communication with beneficial users as GSPs are updated and projects advance, specially including drinking water users

Guidance on Engaging and Communicating with Underrepresented Groundwater Users

Applicable Legislation

California Water Code 10723.2 The

groundwater sustainability agency

23 Cal. Code Regs. §354.10 Notice

information relating to notification

and communication by the Agency

with other agencies and interested

and users of groundwater in the

property interests potentially

basin, including the land uses and

affected by the use of groundwater

in the basin, the types of parties

representing those interests, and

the nature of consultation with

those parties.

parties including the following: (a) a description of the beneficial uses

and Communication. Each Plan

shall include a summary of

shall consider the interests of all

beneficial uses and users of

groundwater, as well as those

responsible for implementing groundwater sustainability plans

and Regulations:

Guidance or

Engaging and Communicating with Underrepresented Groundwater Users

Effective community engagement will benefit Groundwater Sustainability Plan (GSP) development, annual reporting, and the implementation of projects. Special consideration should be given to ensure all groundwater users are engaged, including but not limited to, disadvantaged communities, private domestic well owners, small growers and farmers, Tribes, communities on small water systems, and other underrepresented individuals or groups.

This guidance is provided as an enhancement to the January 2018 Guidance Document for Groundwater Sustainability. Plan Stakeholder Communication and Engagement 2 (2018 Guidance Document). Similar to the 2018 Guidance Document, his guidance is not intended to prescribe specific outreach and communications methods for Groundwater Sustainability Agencies (GSA) or local agencies to follow, but to provide various examples for consideration. Other than what is required by statute or regulation (detailed in the box, to the right), GSAs have discretion on how they communicate and engage with, and consider the interests of, beneficial uses and users of groundwater within a basin.

Based on community feedback, Department of Water Resources (DWR) recognizes that there are groups or communities of groundwater users that have been historically and frequently left out from decision-making with regard to sustainable groundwater management. These groups include, but are not limited to: disadvantaged

communities, private domestic well owners, small growers and farmers, Tribes, and communities on small water systems. All beneficial uses and users of groundwater must be part of the effort to achieve sustainability, and engagement should occur with all entities that could be affected by the implementation of a GSP.

Like any community, underrepresented communities are unique, with strengths and weaknesses; and the members are experts about their community, are proud of what they have, and are hopeful for a better future.

*California Department of Water Resources plans to update the 2018 Guidance Document in 2021. The enhanced concepts presented here will be incorporated into the updated Guidance Document.

California Department of Water Resources



DWR guidance on engaging with underrepresented users: https://water.ca.gov/Programs/Gro

undwater-Management/Assi stance-and-Engagement

Long-Term SGMA Implementation

GSAs Implementing Local Projects & Management Actions, including

Water trading, recharge, and demand reduction strategies

Annual Reporting – Data and Implementation Progress



April 21, 2021 Executive Drought Proclamation



Action 11. To ensure the potential impacts of drought on communities are anticipated and proactively addressed, the Department of Water Resources, in coordination with the Water Board, shall develop groundwater management principles and strategies to monitor, analyze, and minimize impacts to drinking water wells.

NOTE: Drinking water well users are identified as domestic well owners or individuals, Tribal Governments, or water systems that use wells for drinking water needs.

GOALS

GOAL 1: Present clear principles and vision from the state on how to anticipate and address potential drought impacts to communities who rely on drinking water wells

GOAL 2: Develop strategies for the state, local entities, and community leaders to deploy and use for decision-making for drought management

FINAL PRODUCT: A shared policy framework capturing both principles and strategies



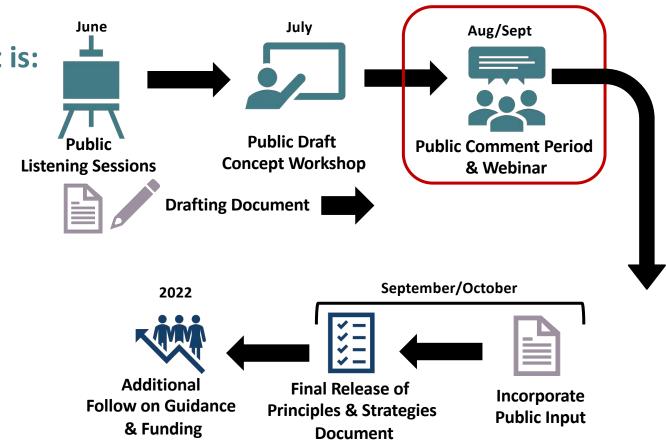
WORK TEAM COORDINATION



PUBLIC ENGAGEMENT PROCESS

Outcomes:

- 1. Create a public process that is:
- Robust
- Inclusive
- Transparent
- Accessible
- 2. Final product is:
- Foundational
- Vetted
- Applicable
- Realistic



DRAFT PRINCIPLES & STRATEGIES

Achieve	Drinking Water Resilience	6 strategies
Integrate	Equity	9 strategies
Address	Underlying Challenges	왕 8 strategies
Lead	With Best Available Data	7 strategies
Build	Trusted Relationships	6 strategies
Implement	Lasting Solutions	9 strategies

THANK YOU

Public comments accepted through October 7, 2021 at 5pm: sgmps@water.ca.gov

Public Webinar will be held September 23 from noon to 1:30pm: Visit our webpage to register