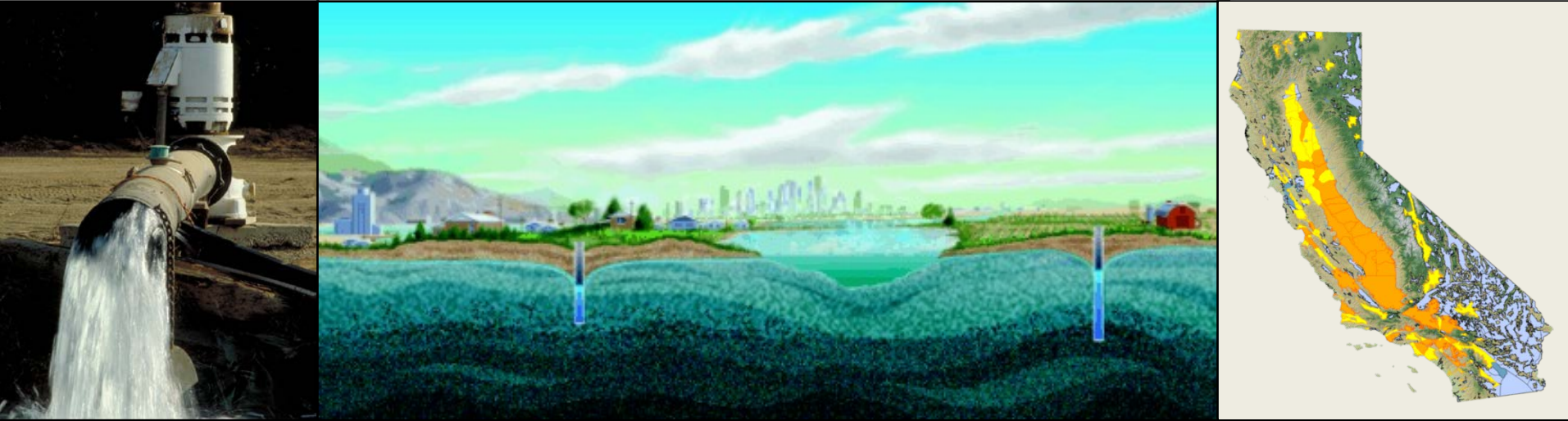


SGMA Program Update

- *Building Capacity to Achieve Sustainability* -



Karla Nemeth
Deputy Secretary for Water Policy

Presentation Agenda

- Prior Groundwater Conditions & Major Groundwater Policy Milestones
- SGMA Legislative Requirements Overview
- SGMA Program Update by Project/Activity (Highlights)
 - Groundwater Sustainability Plan (GSP) and Alternatives Regulations
 - Water Available for Replenishment
 - Best Management Practices (BMPs)
 - Groundwater Sustainability Agency (GSA) Formation
 - Alternatives Reviews
 - Revised Basin Prioritization
- 2017 and beyond
 - Financial Assistance
 - Planning Assistance
 - Technical Assistance

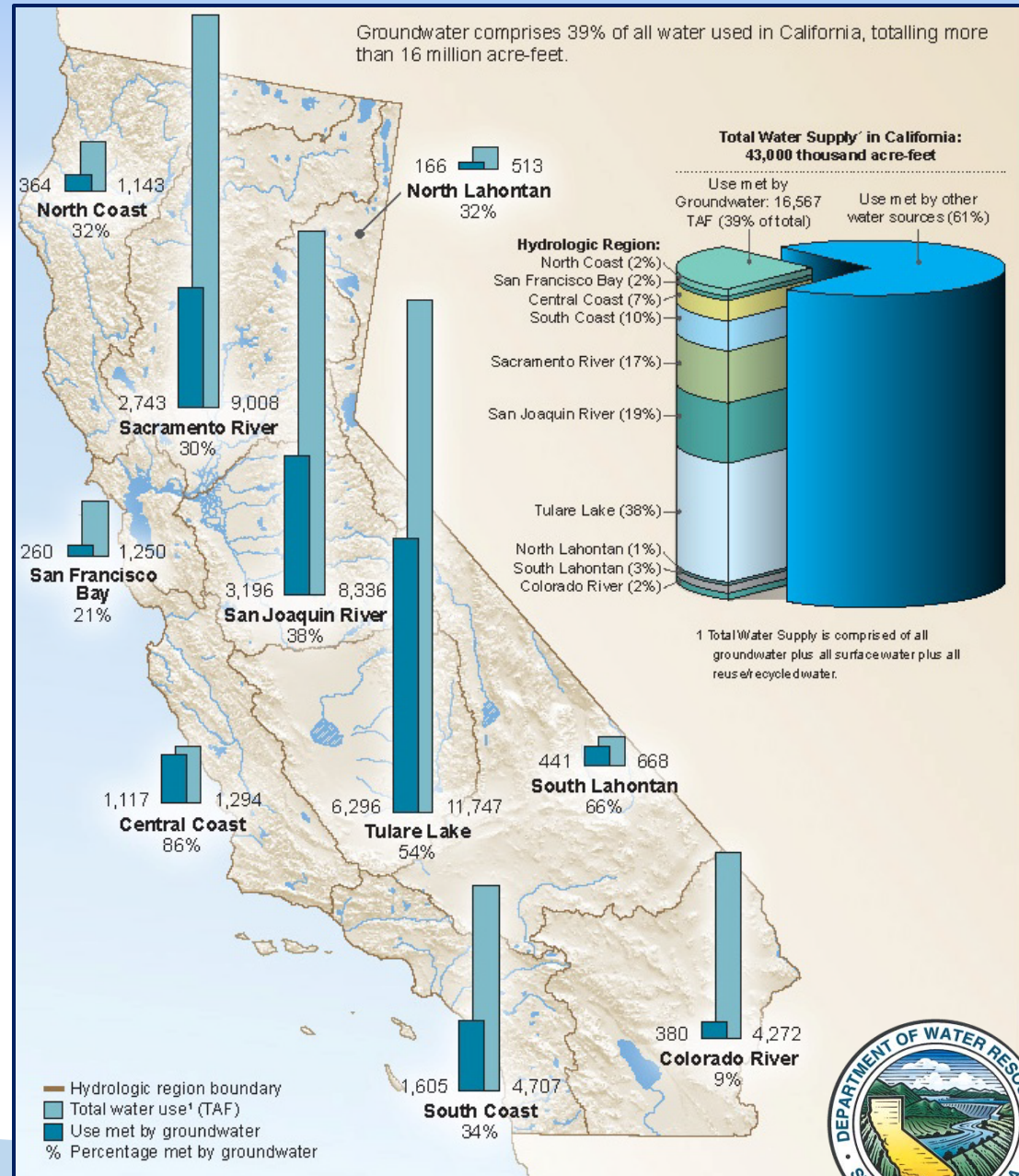
Statewide Groundwater

Regions with highest use:
(relative to statewide total)

- **Tulare Lake 38%**
- **San Joaquin River 19%**
- **Sacramento River 17%**
- **South Coast 10%**
- **Central Coast 7%**

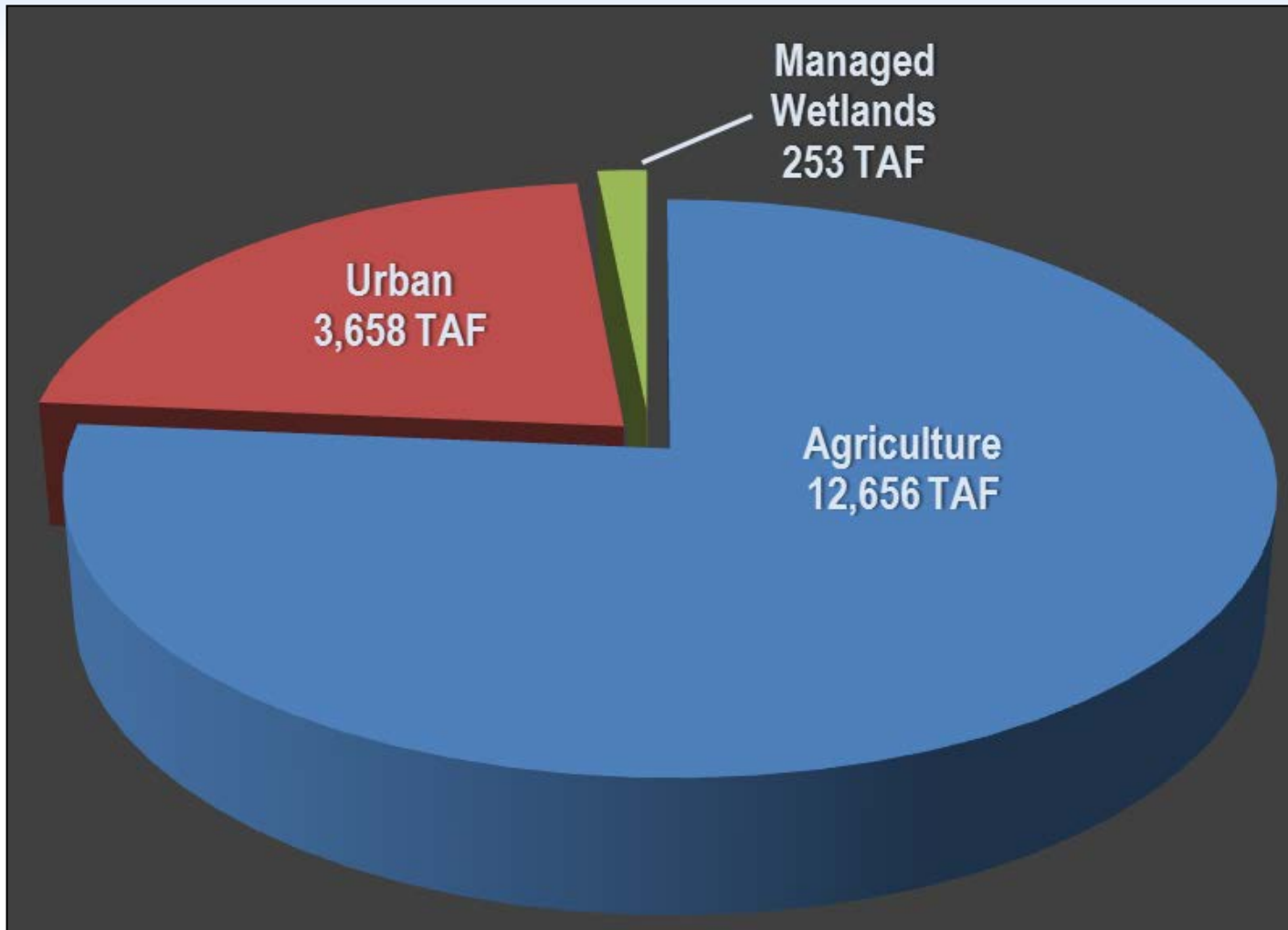
(2005 to 2010 Average Annual Data)

Source: California Water Plan Update 2013



Statewide Groundwater

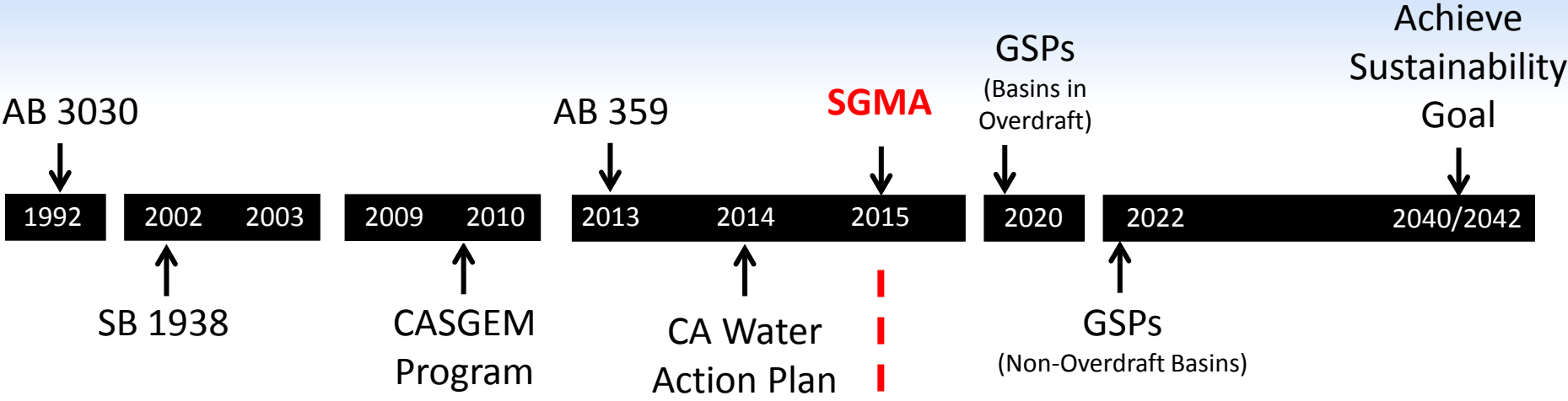
2005-2010 Average Annual: 16,567 (TAF)



Source: California Water Plan Update 2013



California's Major Groundwater Milestones



Voluntary Groundwater Management (Non-Regulatory)

- Service Area Planning
- Variable Levels of Implementation
- Variable Authority
- Grant Incentives

Required Groundwater Management (Regulatory)

- Entire Basin Planning
- Required Implementation
- New GSA Authorities
- State Backstop (SWRCB)

California Water Action Plan

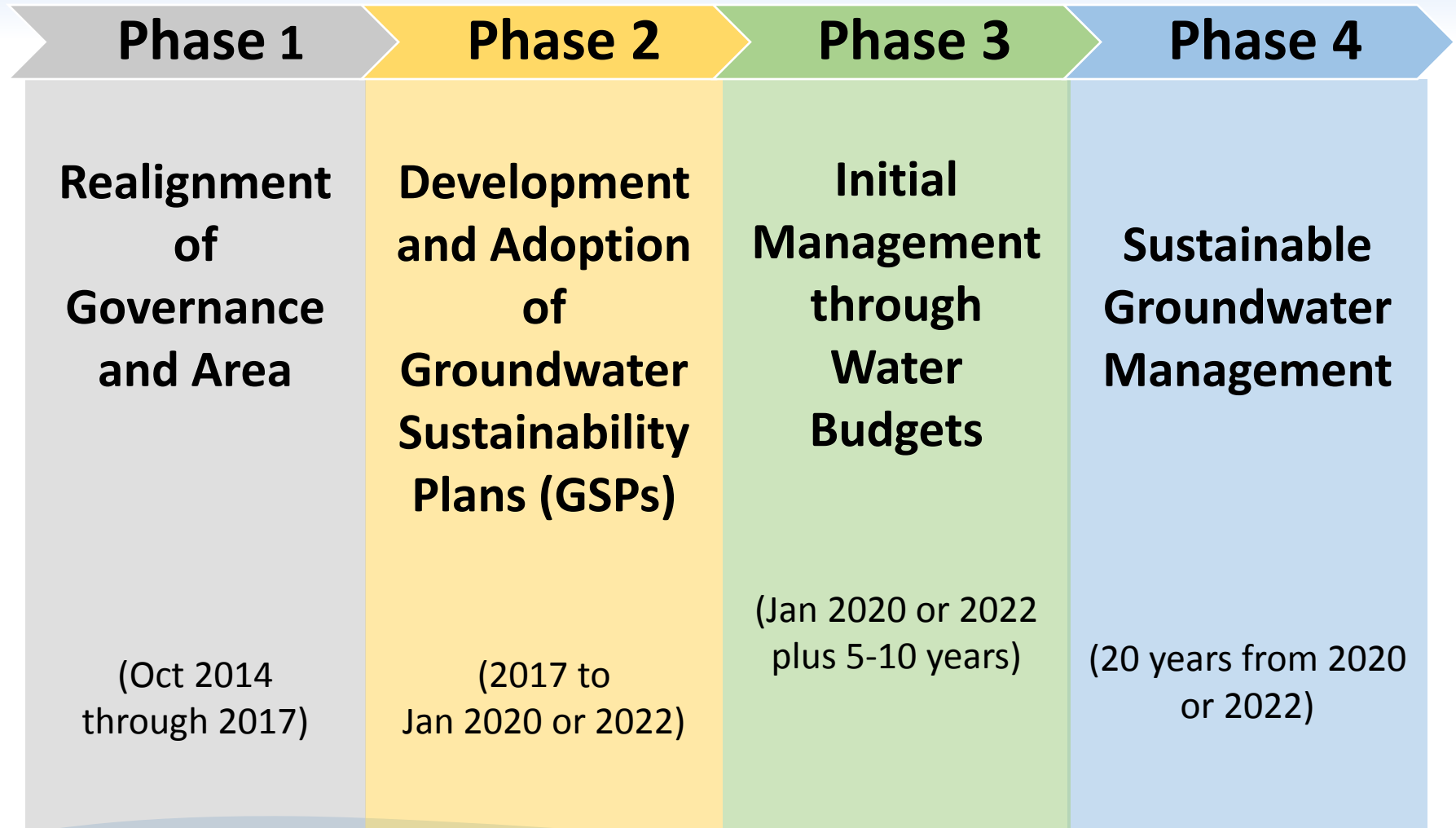
Ten Priority Actions

1. Make conservation a California way of life
2. Increase regional self-reliance and integrated water management across all levels of government
3. Achieve the co-equal goals for the Delta
4. Protect and restore important ecosystems
5. Manage and prepare for dry periods
6. **Expand water storage capacity and improve groundwater management**
7. Provide safe water for all communities;
8. Increase flood protection;
9. Increase operational and regulatory efficiency;
10. Identify sustainable and integrated financing opportunities.

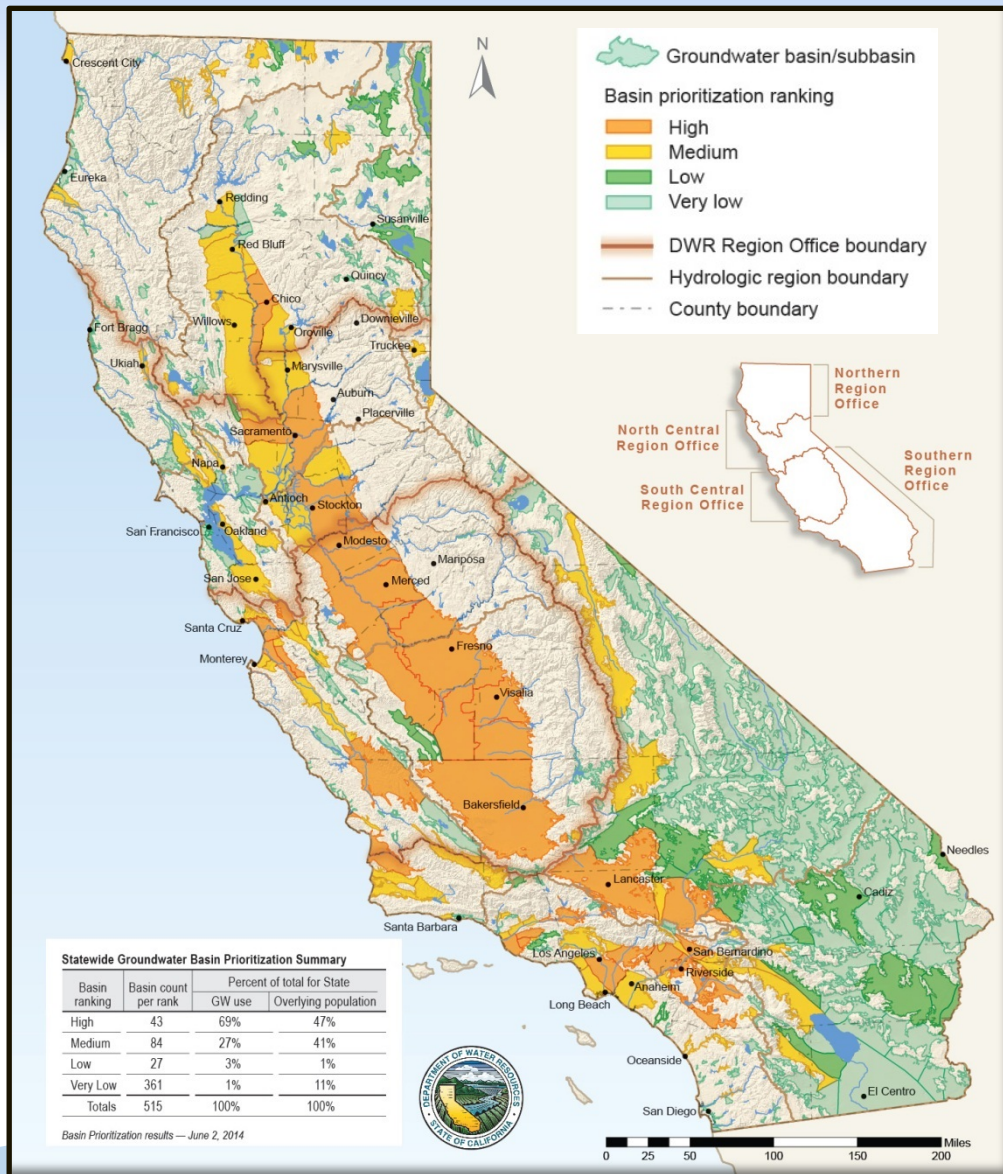


SGMA Legislative Requirements Overview

Phases to Implement Groundwater Legislation and Achieve Sustainable Groundwater Management



SGMA Applies to High and Medium Priority Basins



Statewide Breakdown

Basin Ranking	Basin Count per Rank	Percent of Total for Hydrologic Region	
		GW Use	Overlying Population
High	43	69%	47%
Medium	84	27%	41%
Low	27	3%	1%
Very Low	361	1%	11%
Totals	515	100%	100%

127 High & Medium Priority basins

- 96% of groundwater use
- 88% of overlying population

<http://www.water.ca.gov/groundwater/casgem/>



Sustainable Groundwater Management: Overview

Framework

- Applicability
- Definitions

Local's Role

- Establish GSA
- Powers & Authorities
- Sustainability Plans
- Deadlines

State's Role

- Define Rules (Regulations)
- Technical & Planning Assistance
- State Evaluation and Assessment
- State Intervention

Sustainable Management Criteria - Framework

Groundwater Sustainability



*Undesirable Results:
Significant and Unreasonable...*



Surface Water
Depletion



Reduction
of Storage



Degraded
Quality



Seawater
Intrusion



Land
Subsidence

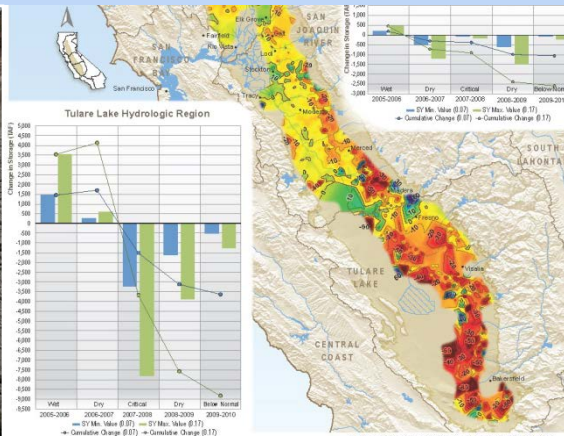


Lowering
GW Levels

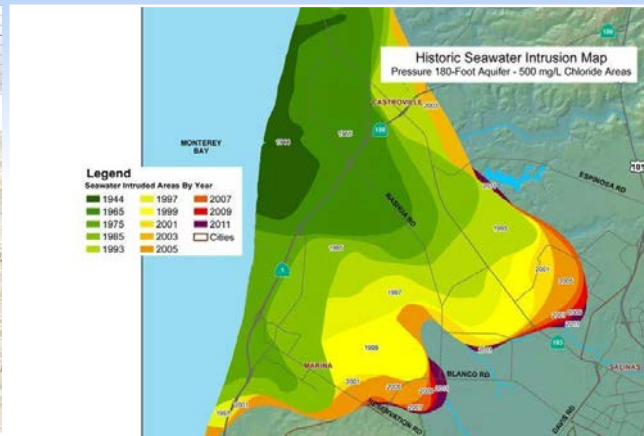
Achieving Sustainable Yield and Avoidance of Undesirable Results



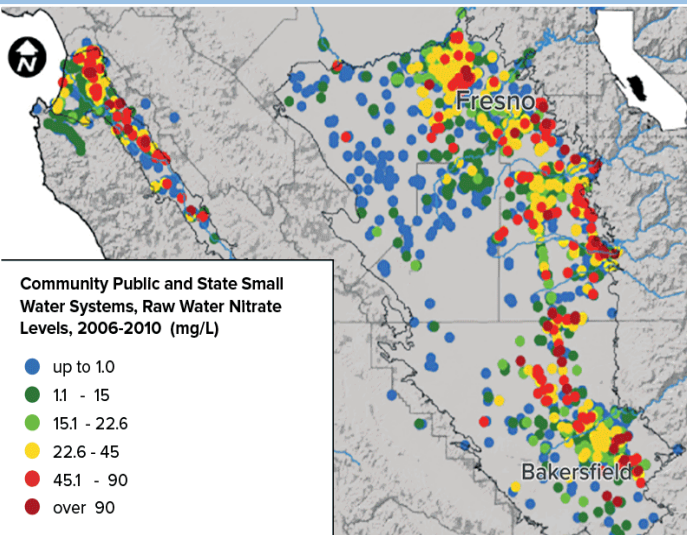
Lowering of GW Levels



Reduction of GW Storage



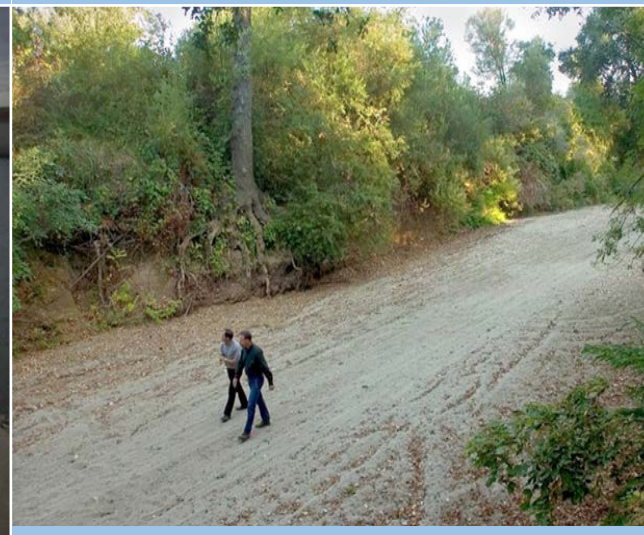
Seawater Intrusion



Water Quality Degradation



Land Subsidence

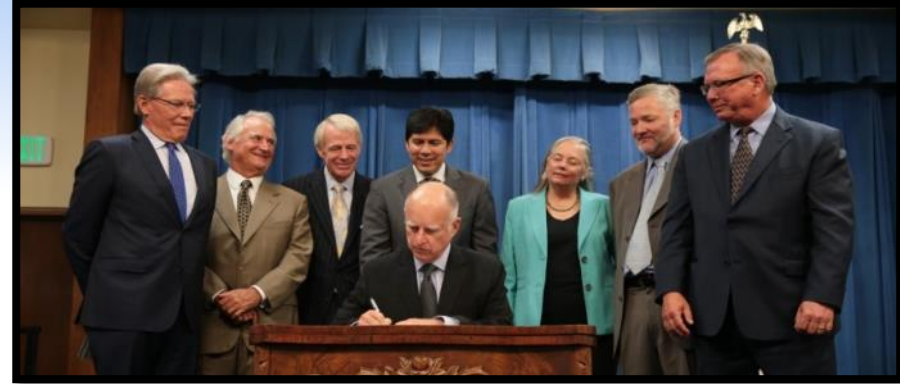


Depletion of Interconnected Streams

State's Role (DWR and State Water Board)

“A central feature of SGMA is the recognition that groundwater management in California is best accomplished locally.”

Governor Jerry Brown, September 2014



Financial Assistance

- Proposition 1

Planning Assistance

- Facilitation
- GSA/Governance Support

Technical Assistance

- Statewide Datasets, Analysis, and Tools
- Best Management Practices
- Water Available for Replenishment Report

Facilitation/Advisory Role

DWR

**Evaluation
of GSPs**

Evaluation Role

**State Water
Board**

Enforcement

Regulatory Role

SGMA Program Update by Project/Activity (Highlights)

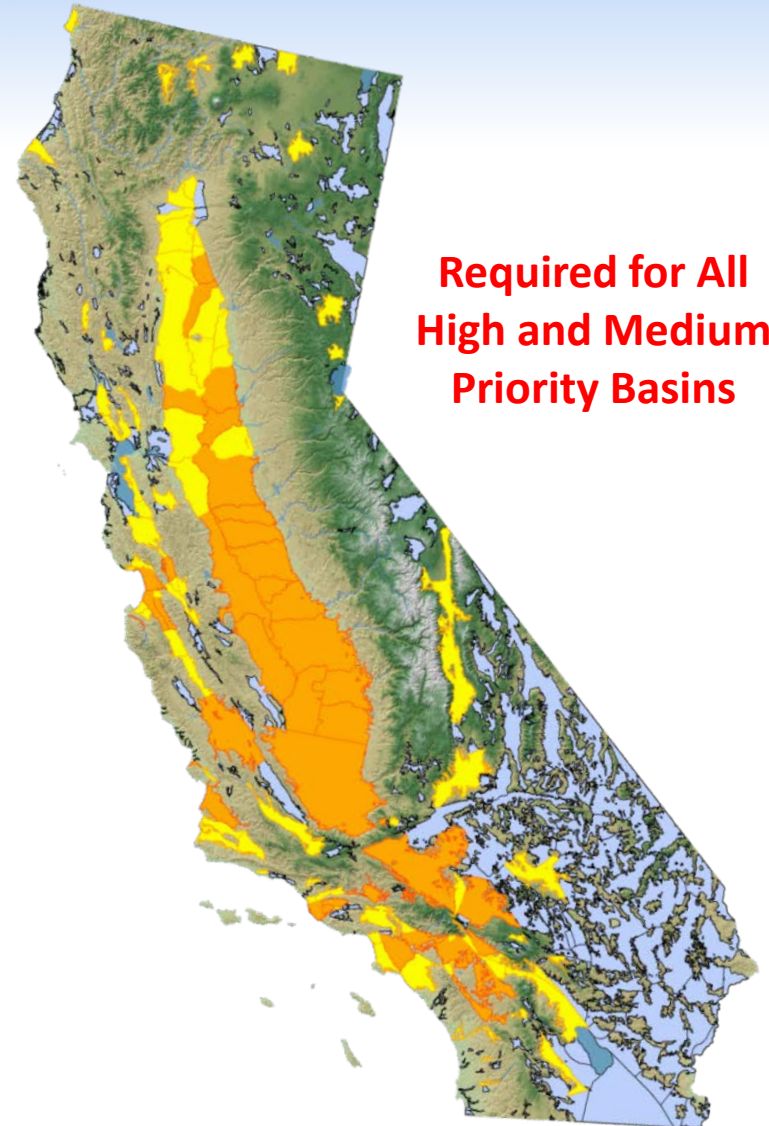
GSP Regulations became effective August 15, 2016

GSP due dates

- January 31, 2020 - critical overdrafted basins
- January 31, 2022 – all remaining high/medium priority basins

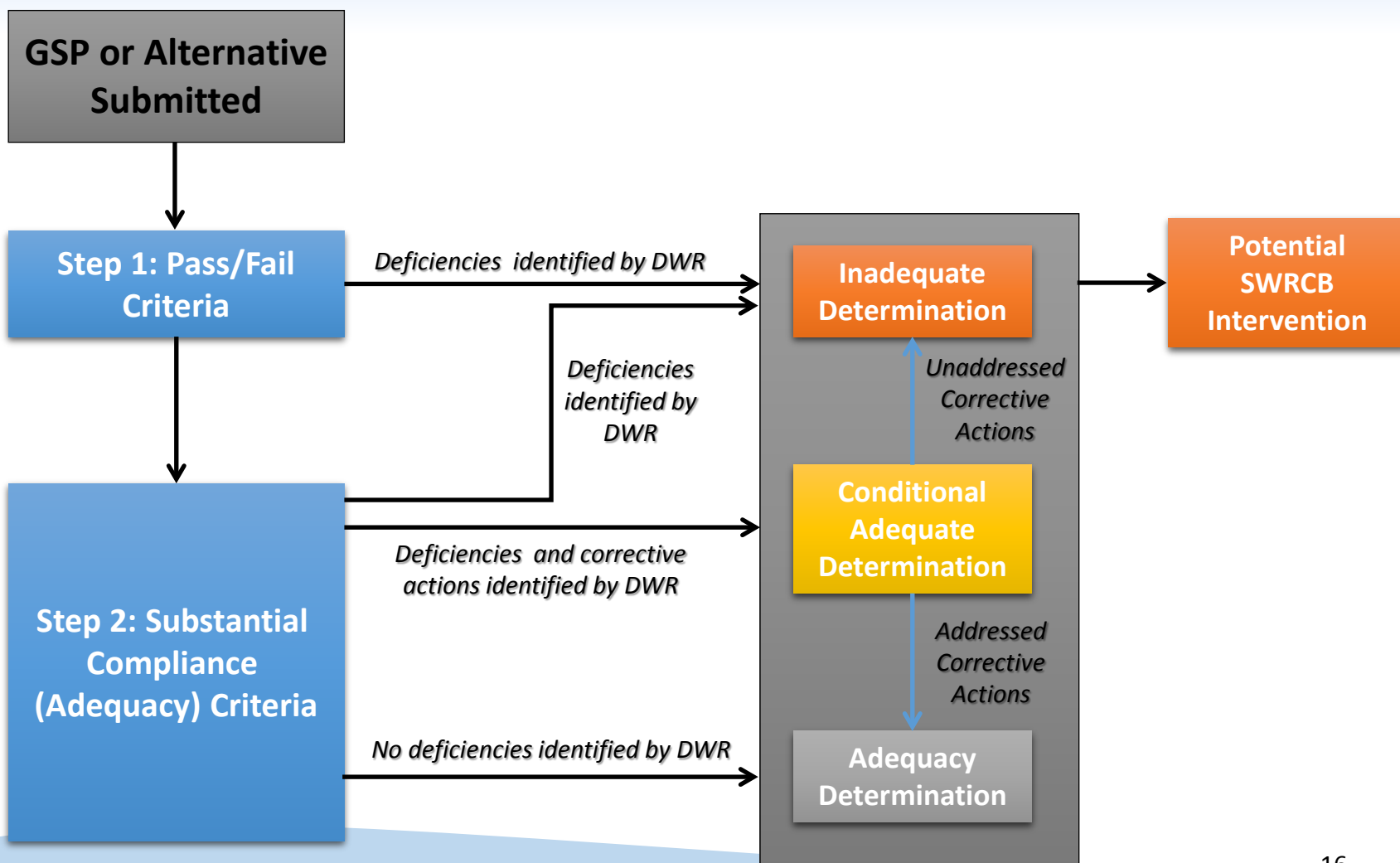
Articles

1. Introductory Provisions
2. Definitions
3. Technical & Reporting Standards
4. Procedures
5. Plan Contents
6. Department Evaluation & Assessment
7. Annual Reports and Periodic Evaluations by the Agency
8. Interagency Agreements
9. Alternatives



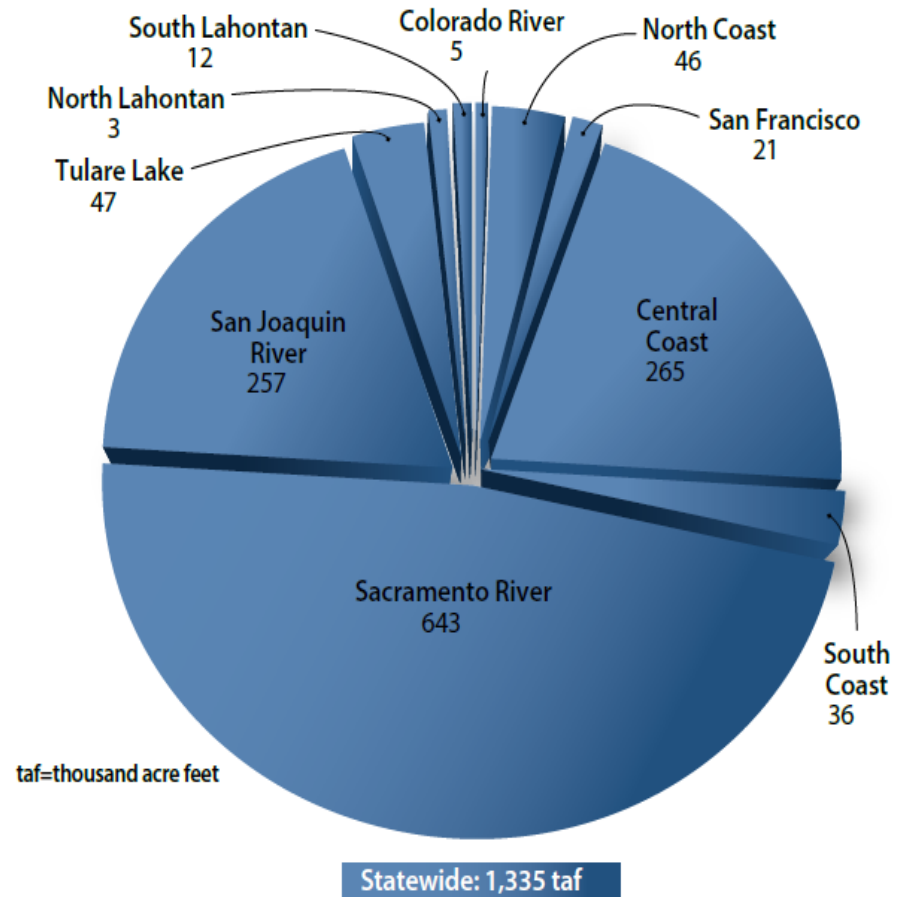
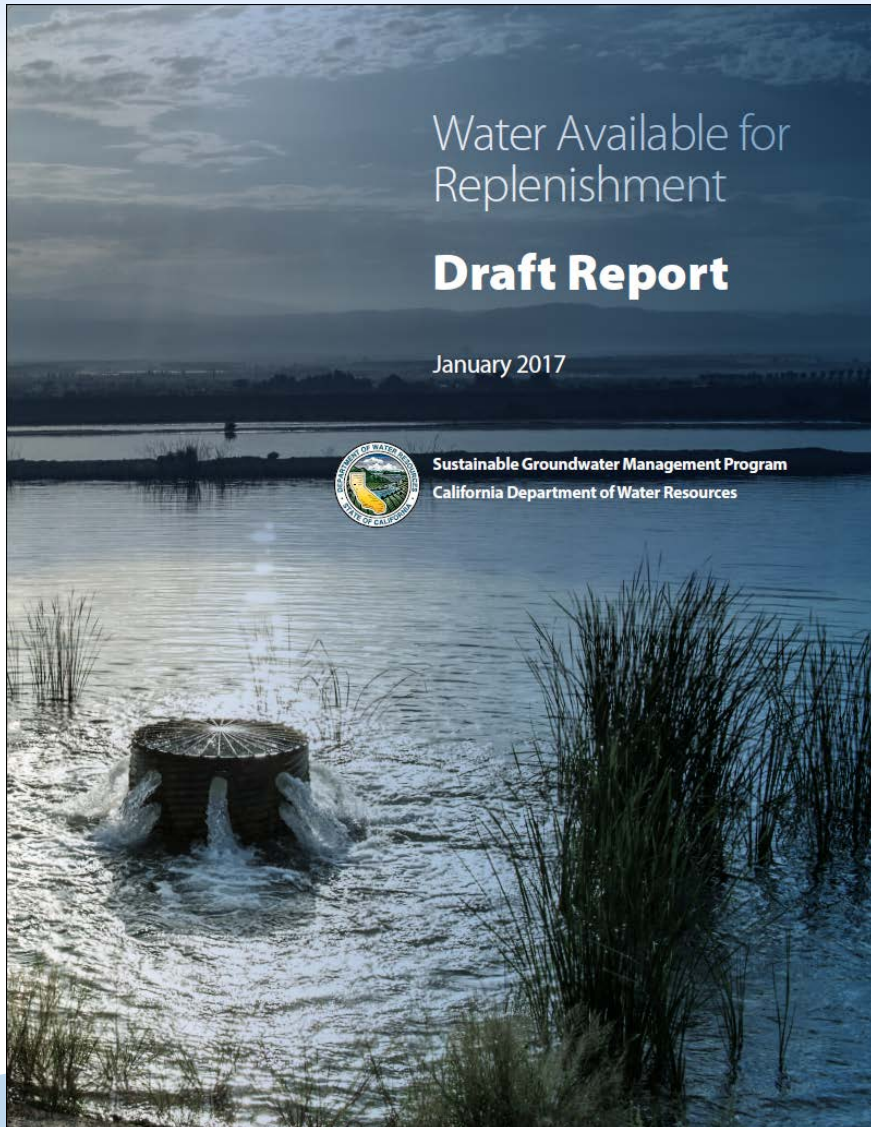
Article 6: Evaluation and Assessment

§ 355.4. Criteria for Plan Evaluation



Water Available for Replenishment

Best Estimate of Average Annual WAFR, by Hydrologic Region (taf)



SGMA Best Management Practices

- Role of BMPs to provide clarification, technical assistance, and examples to help GSAs develop elements of GSPs
- BMPs (*technical assistance*) vs. GSP Regulations (*requirements*)



Best Management Practices

- BMP 1: Monitoring Protocols, Standards, Sites
- BMP 2: Monitoring Networks and Identification of Data Gaps
- BMP 3: Hydrologic Conceptual Model
- BMP 4: Water Budget
- BMP 5: Modeling

Guidance Documents

- Preparation Checklist for GSP submittal
- GSP Annotated Outline

Future BMP/Guidance Documents

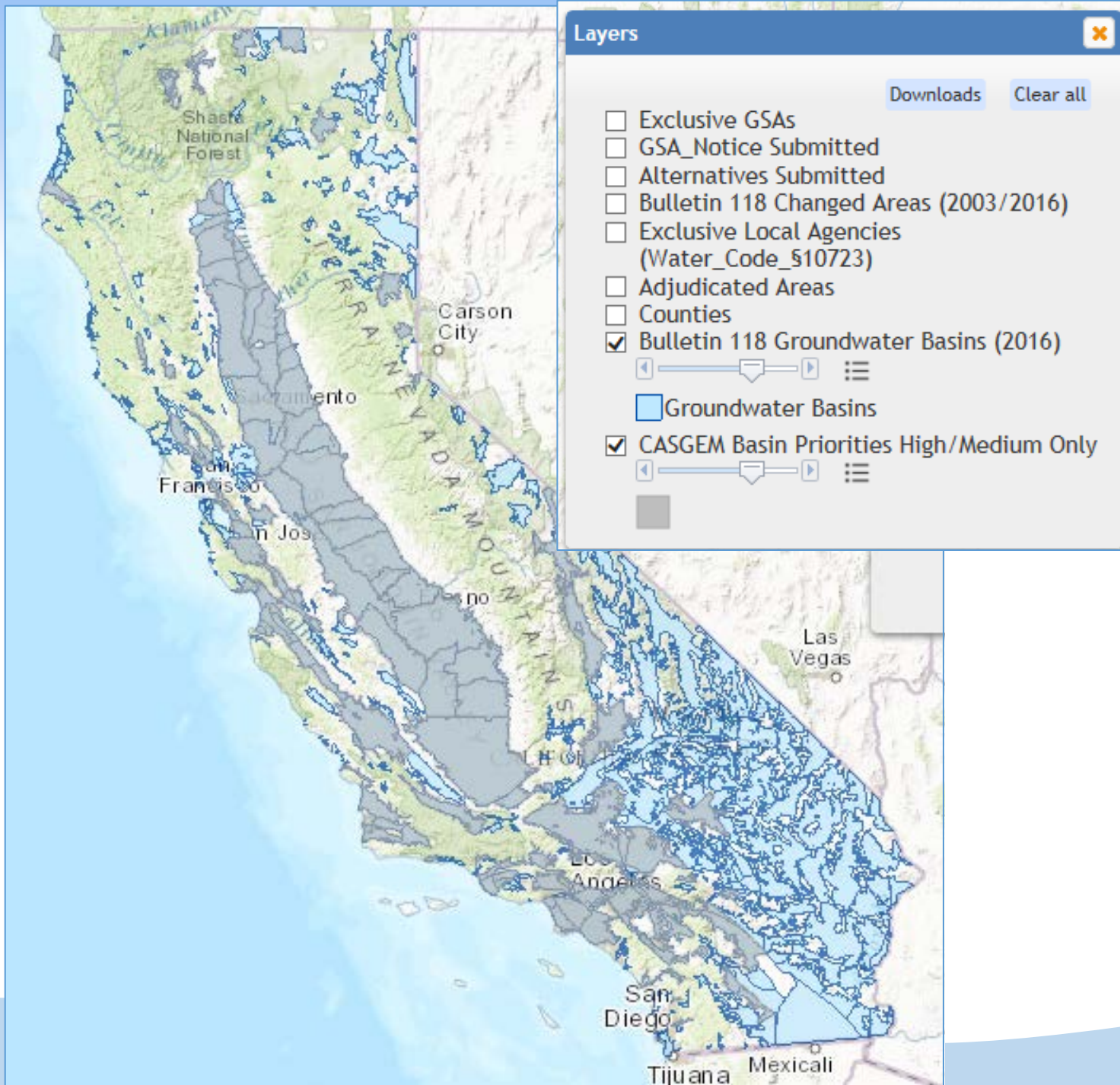
- Engagement with Tribal Governments
- Stakeholder Comm. & Engagement
- Sustainable Management Criteria

High & Medium GW Basins

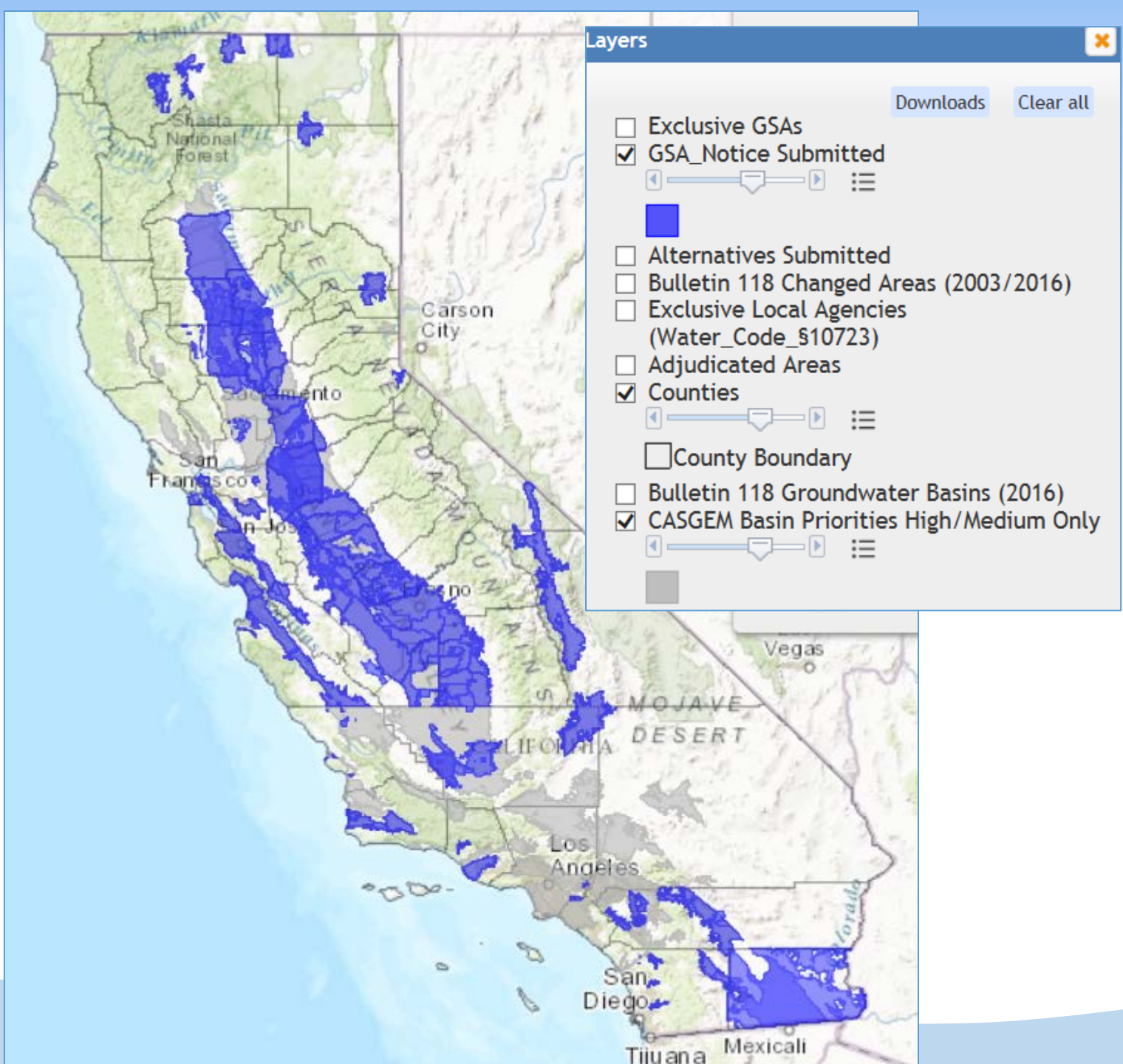
127 High & Medium Basins

Approx. 96% of average annual GW supply from the basin area

Approx. 88% of population overlying the basin area



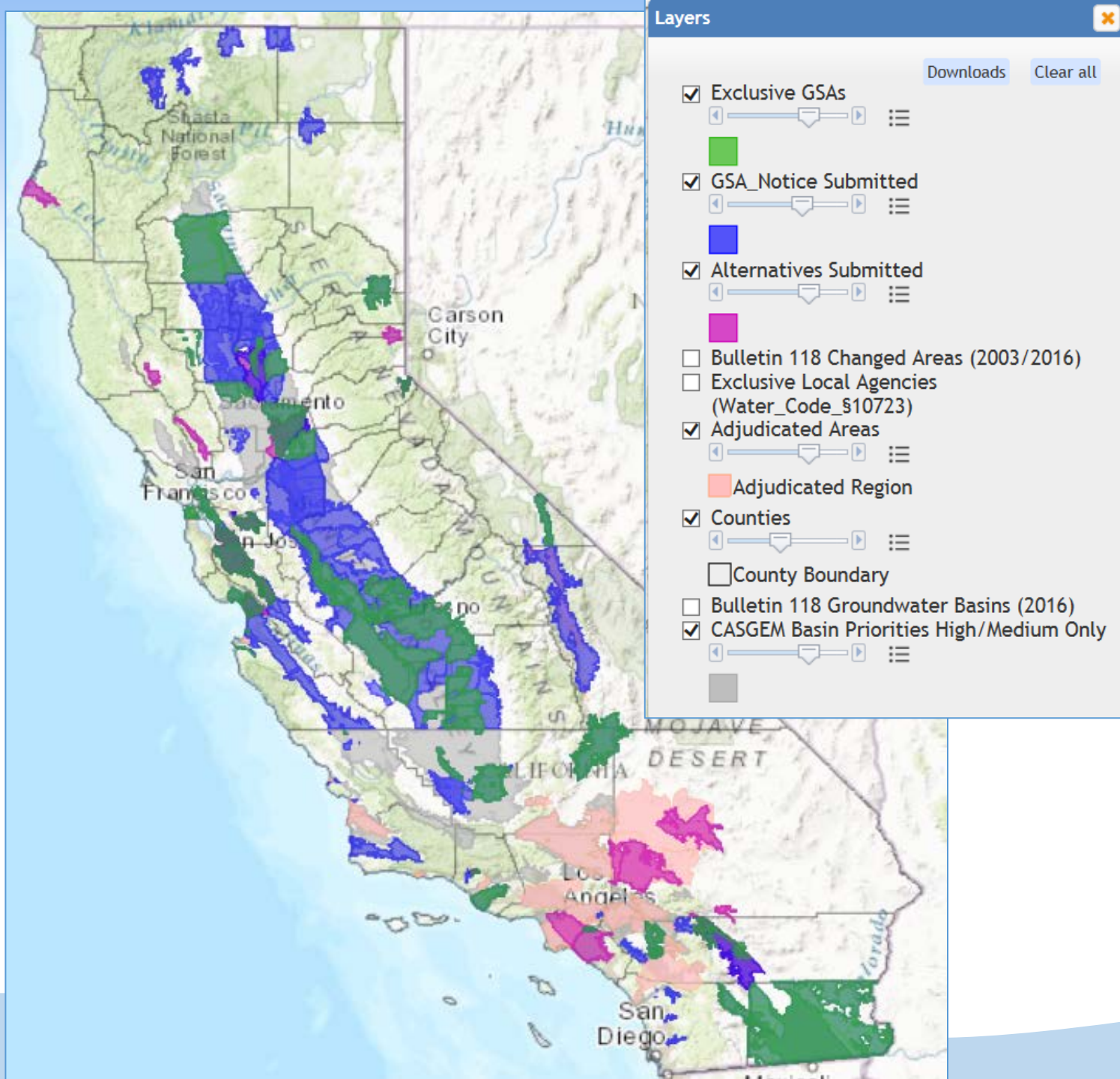
GSA Submittals



Summary

**Current Status
(May 2017)**

**Statewide
most
high/medium
basins show
GSA formation
coverage**



DWR's SGMA Portal

<http://sgma.water.ca.gov/portal/#>

SUBMIT AND VIEW SGMA INFORMATION AND DATA

GSA

GSA
Formation

GSP

GSP
Submittal

ALT

Alternative
Submittal

ADJ

Adjudicated
Areas

Welcome to DWR's SGMA Portal

This portal allows local agencies, groundwater sustainability agencies (GSAs), and watermasters to submit, modify, and view the information required by the [Sustainable Groundwater Management Act](#) (SGMA), and enables the public and interested stakeholders to view submitted information and provide comments, where applicable. **No login is required for public access.**

- For local agency, GSA, and watermaster access an account is required.
- If you have an account, [sign in here](#).
- If you do not have an account, you can [register here](#).
- If you forgot your password, you can [recover it here](#).
- Once an account is created in the SGMA Portal, a local agency, GSA, or watermaster will only have access to the information that it has uploaded, as well as the information available on the public access site.

The SGMA Portal will coordinate DWR's SGMA responsibilities related to the following topics:

- **GSA:** Local agencies can submit their GSA Formation Notification and can make changes to that notification in accordance with [Water Code §10723 et seq.](#) Information will not be posted to the public access site until reviewed for completeness. Additional Information is available on DWR's [GSA Website](#)
- **GSP:** GSAs can coordinate to develop one or more groundwater sustainability plans (GSPs) in a basin and can submit information in accordance with [Water Code §10727 et seq.](#) and the [GSP Emergency Regulations](#). Additional Information is available on DWR's [GSP Website](#)
- **Alternatives:** Local agencies or GSAs can submit Alternatives as described in [Water Code §10733.6](#). Additional Information is available on DWR's [Alternative Submittal Website](#)
- **Adjudicated Areas:** The adjudicated areas listed in [Water Code §10720.8](#) can access information uploaded on April 1, 2016, and submit annual reports. Additional Information is available on DWR's [Adjudicated Area Website](#)

If you have questions or comments, please contact the DWR representative identified on the specific SGMA topic. If you have general SGMA questions, please email DWR at sqmps@water.ca.gov.

Article 9

Alternatives

§ 358.4. Alternatives to Groundwater Sustainability Plans

- 24 Alternatives (to GSPs) were provided to DWR before January 1, 2017
- 150 public comments were received on the Alternative submittals
- Type of Alternative submitted:
 1. Existing Groundwater Management Plan or law authorizing groundwater management
 2. Adjudication (new)
 3. Analysis of 10 years of operation at a sustainable yield (avoidance of undesirable results)

Basin Prioritization Legislative Directive, Activities, and Timeline

Directive

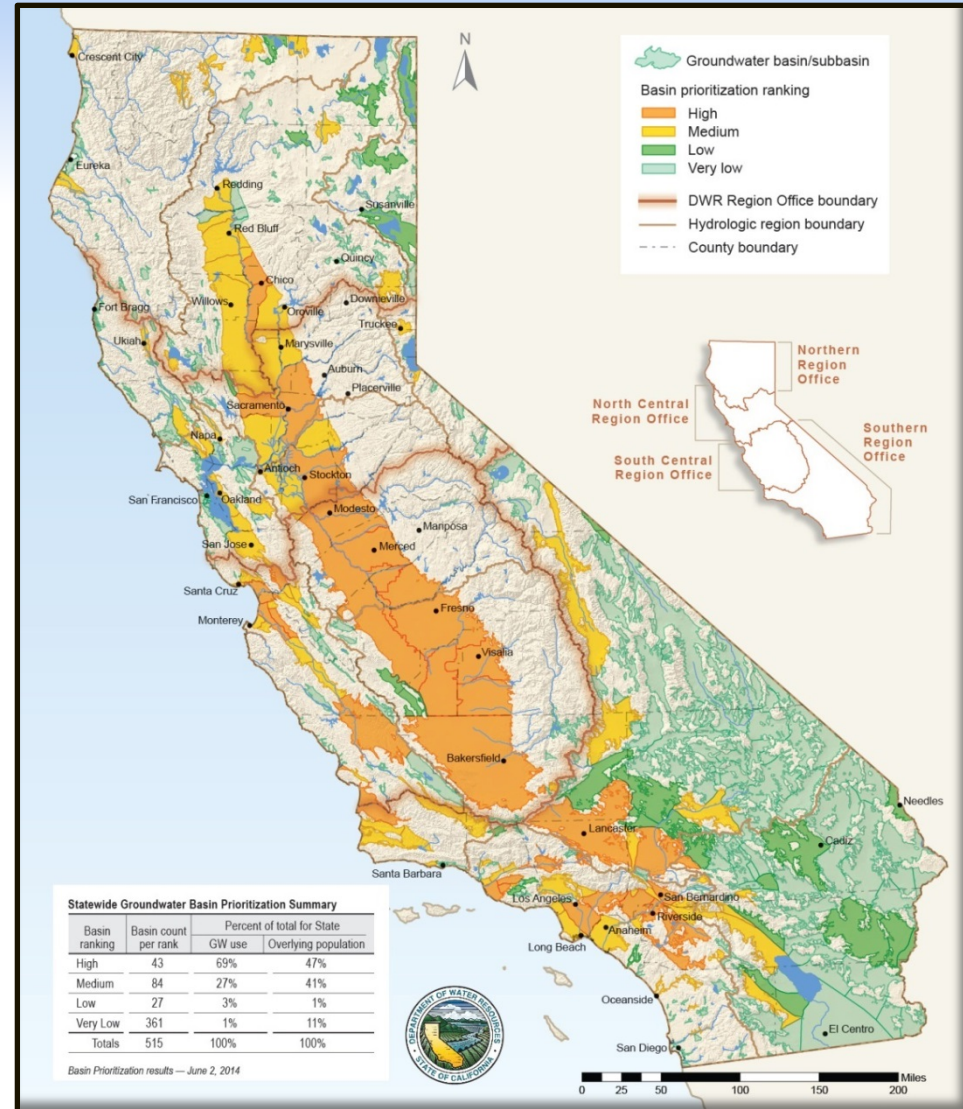
- SGMA requires DWR to reassess basin priority when basin boundaries are modified
- Water Code amended adding adverse impacts on local habitat and local streamflows DWR shall consider during basin prioritization

Activities

- Collection & analysis of best available information for all 517 basins
 - 2010 Population and 2030 Growth
 - Current Public Supply Wells & Production Wells
 - 2014 Groundwater Reliance & Irrigated Acres
 - Documented Impacts and any other information including adverse impacts on local habitat and local streamflows
- All basins will be ranked and priority assigned.

Timeline

- Draft statewide basin prioritization release - fall 2017 (tentative)



Note: Map depicts existing prioritization

Basin Prioritization : What will it mean to be Medium or High in 2017?

- If a basin was identified as high or medium priority in 2014 and again in 2017, then SGMA and current GSA/GSP schedule applies
 - Form GSA by June 2017, and develop GSP by 2020/2022
- If a basin is elevated from low or very low in 2014 to high or medium in 2017, then SGMA will apply and local agencies in the basin will have two years from the date of reprioritization to establish a GSA and five years to develop a GSP.

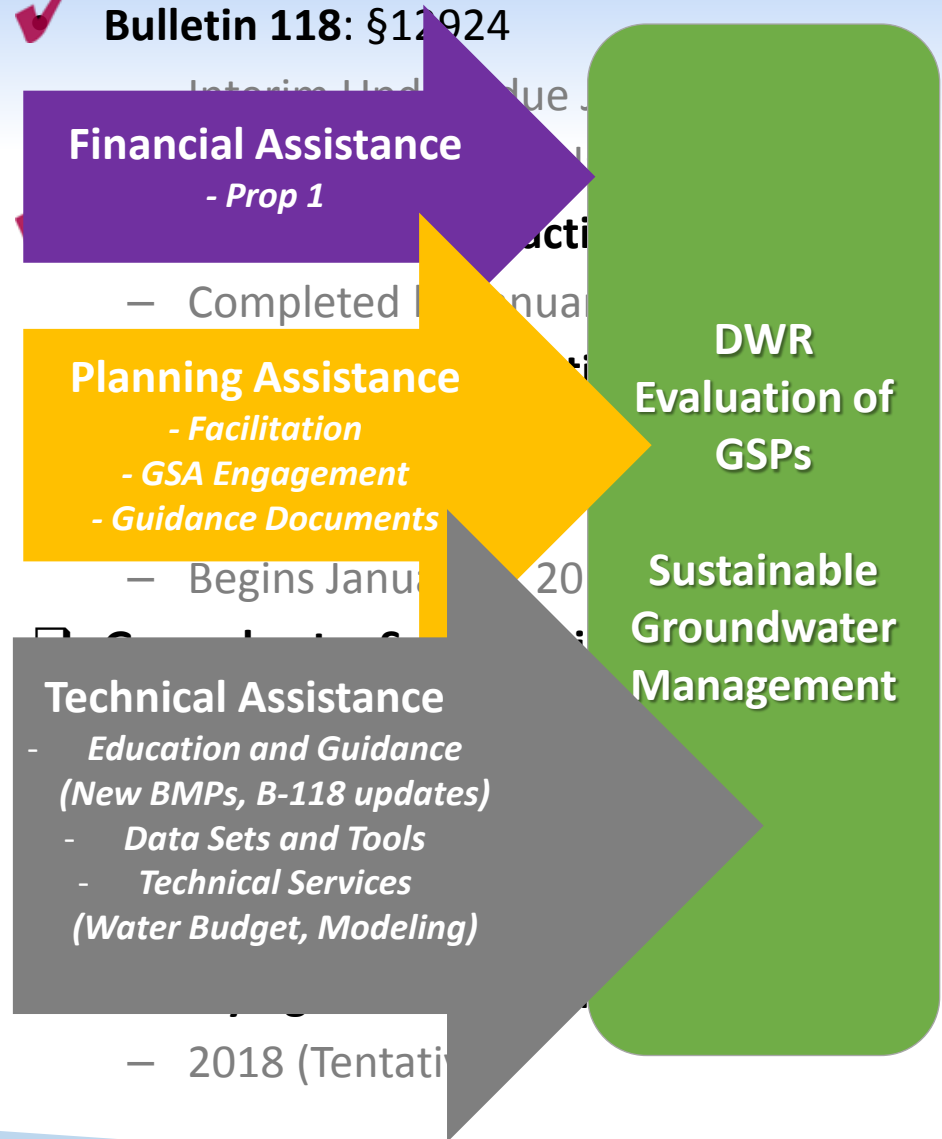
SGMA Legislative due dates and SGMP Next Steps

2015 and 2016

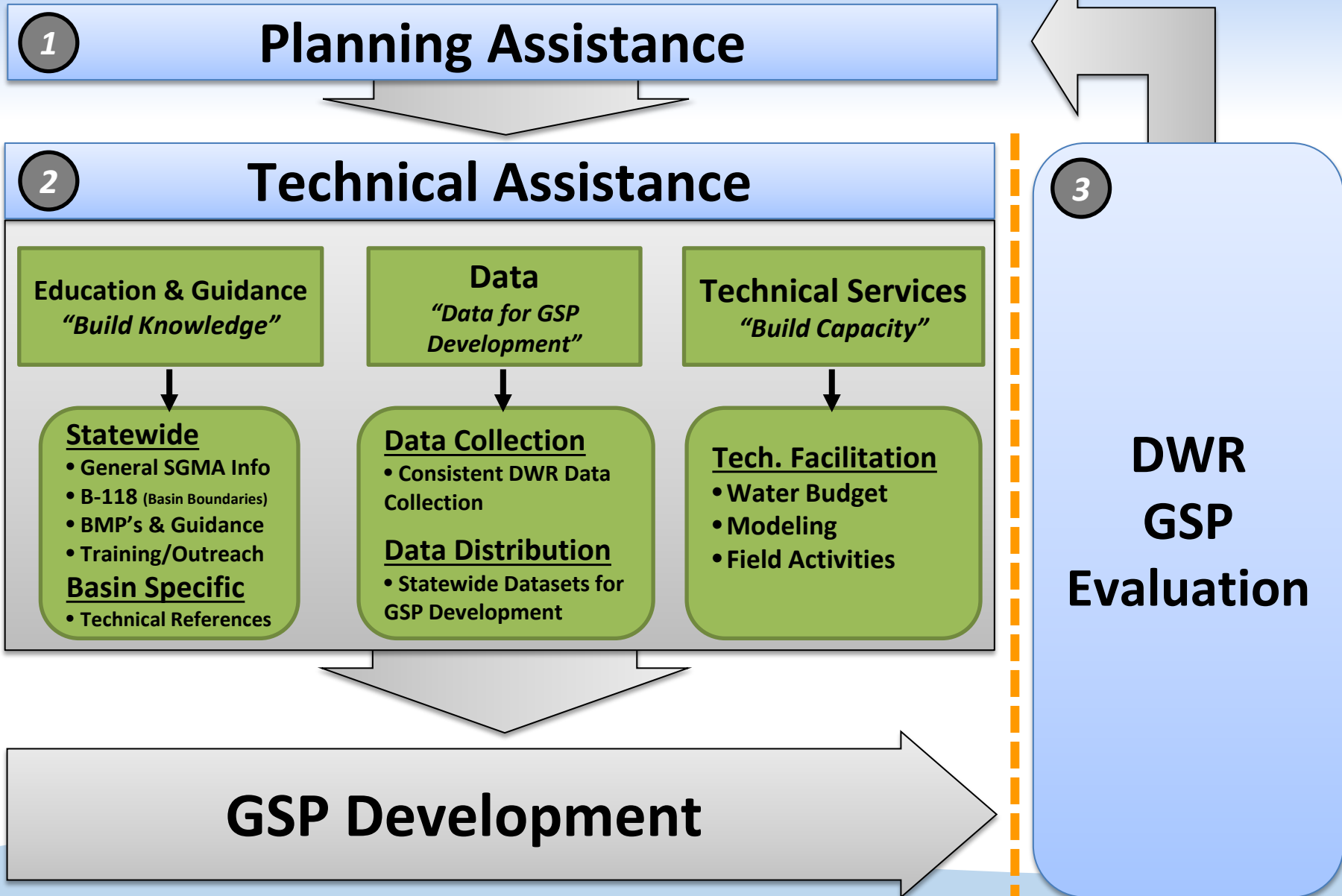
- ✓ **Initial Basin Prioritization:** §10723.4
 - Completed by January 31, 2015
- ✓ **Regulations for Modifying Groundwater Basin Boundaries:** §10722.2
 - Completed by January 1, 2016
- ✓ **Identification of Critically Overdrafted Basins:** §12924
 - Completed January 2016, Updated October 2016
- ✓ **Groundwater Sustainability Plan and Alternatives Regulations:** §10733.2
 - Completed May 18, 2016
- ✓ **Modifying Basin Boundaries (Round 1)**
 - Completed October 11, 2016
- ✓ **Water Available for Replenishment:** §10729(c)
 - Completed in January, 2017

2017 and beyond

2017 and 2018



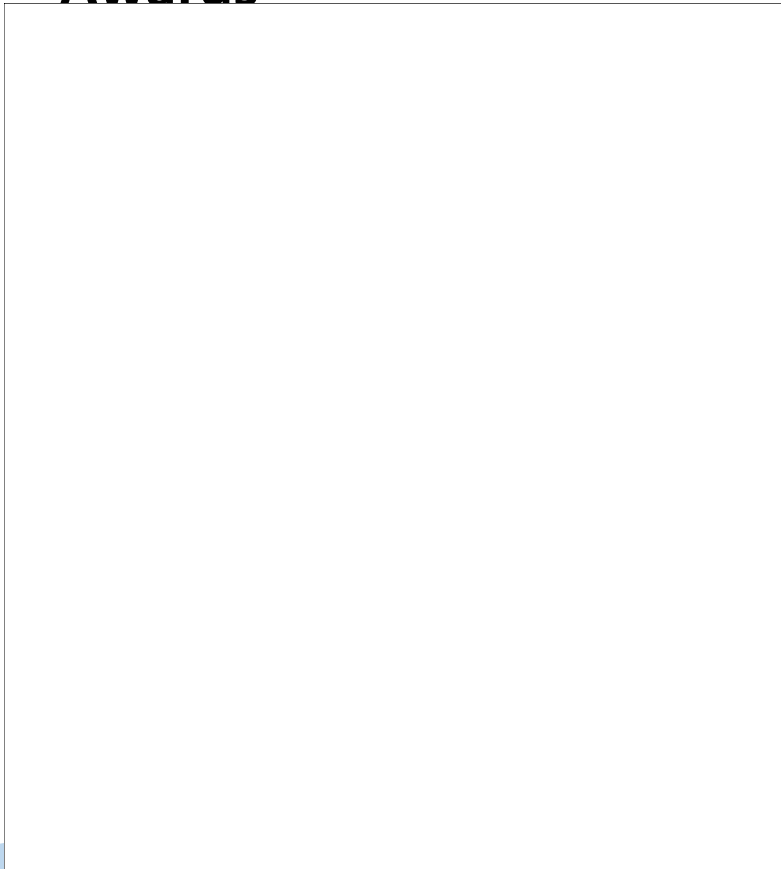
SGMA Program – Technical Assistance



SGMA Program – Financial Assistance

Prop 1 Groundwater Grants \$100 Million
(First Round Awards)

Awards



Status

- Counties with Stressed Basins
 - March 2016: Awarded \$6.7M to 21 Counties
 - All 21 Counties DACs, at county level geography
 - Agreements executed
 - Work ongoing

Prop 1 Groundwater Grants \$100 Million

(Second Round Proposal Solicitation Package)

- \$86.3 M Potentially Available
 - \$10 M for Severely DAC Projects
 - \$76.3 M for developing SGMA Sustainable Groundwater Plans
- Tentative Schedule
 - Draft PSP Released May 8 for public review
 - Currently in Public Comment Period
 - Public Comment Meetings Schedule in late June
 - July/Aug: Final PSP
 - Accept proposals on a continuous basis
 - Late 2017: Initial Awards
- Eligible Applicants (Tentative)
 - Category 1 SDAC Funding (no less than \$10 M)
 - Public Agencies
 - Nonprofit Organizations
 - 501.(c)(3) qualified to do business in California
 - Federally recognized Indian Tribes
 - State Indian Tribes listed on NAHC consultation list
 - Public Utilities
 - Mutual Water Companies
 - Category 2 (no more than \$86.3 M)
 - Public Agencies
 - Limiting to GSAs only

Planning Assistance to Locals

Facilitation Support Service

Covering 39 basins in 34 counties
~ \$1.86 million committed by DWR

- COUNTY
- Amador County
- Butte County
- Calaveras County
- Colusa County
- Fresno County
- Glenn County
- Imperial County
- Inyo County
- Kern County
- Kings County
- Los Angeles County
- Madera County
- Marin County
- Mariposa County
- Mendocino County
- Merced County
- Mono County
- Monterey County
- Placer County
- Sacramento County
- San Bernardino County
- San Diego County
- San Joaquin County
- San Luis Obispo County
- Shasta County
- Solano County
- Sonoma County
- Stanislaus County
- Sutter County
- Tehama County
- Tulare County
- Ventura County
- Yolo County
- Yuba County

