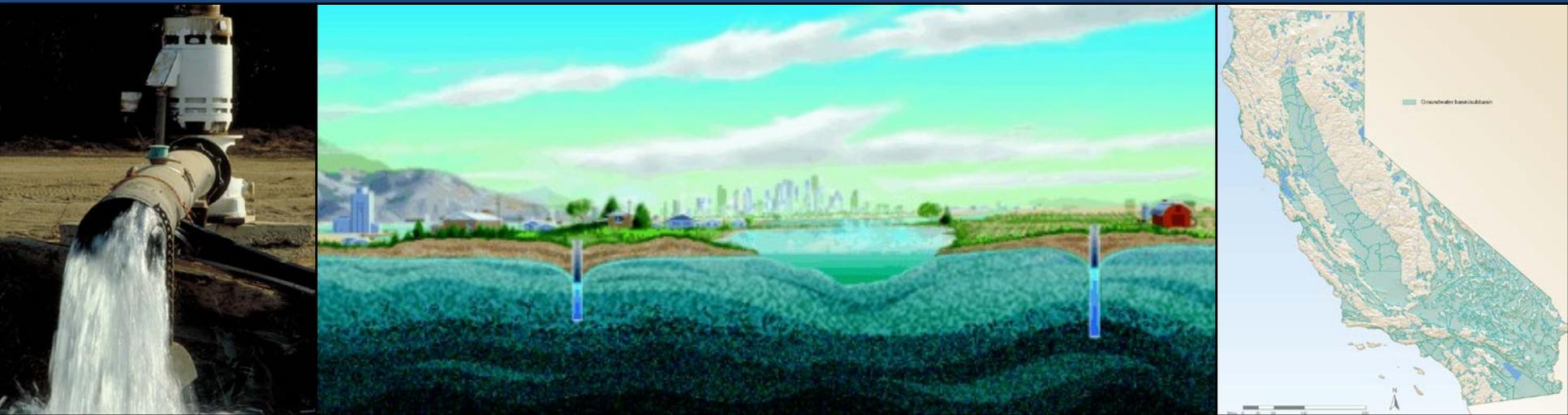


# DWR's Sustainable Groundwater Management Implementation

## Groundwater Sustainability Plan (GSP) & Alternative (Alt) Emergency Regulations

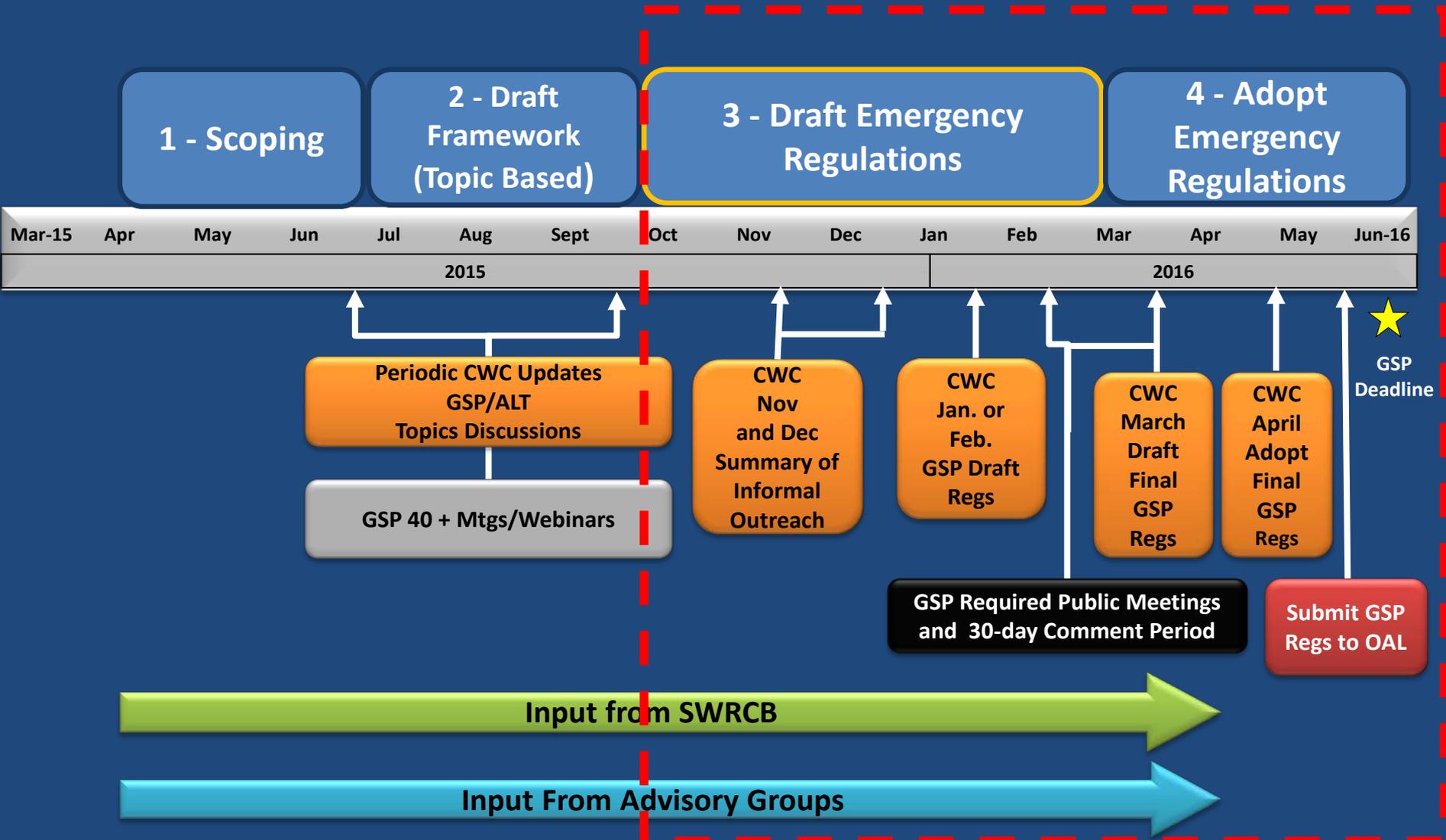


California Water Commission  
January 20, 2016

# Presentation Overview

- Project Timeline
- Groundwater Sustainability Plan (GSP)  
Emergency Regulations Outline
- Recent Advisory Group Input
- Next Steps

# Timeline

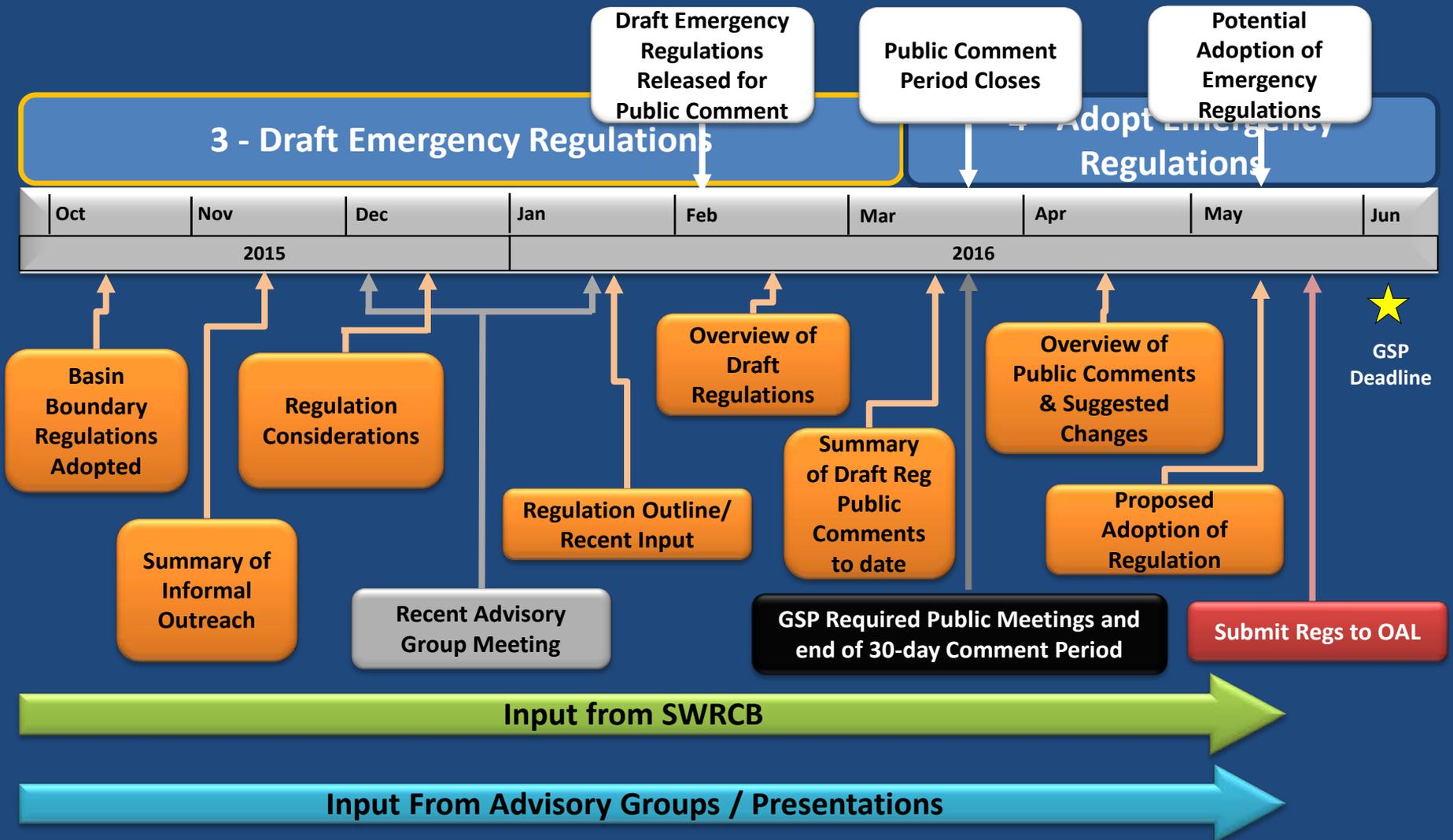


Dates and Durations are Subject to Change

# Timeline (cont.)

CWC Meeting

GSP Regulation Major Milestones



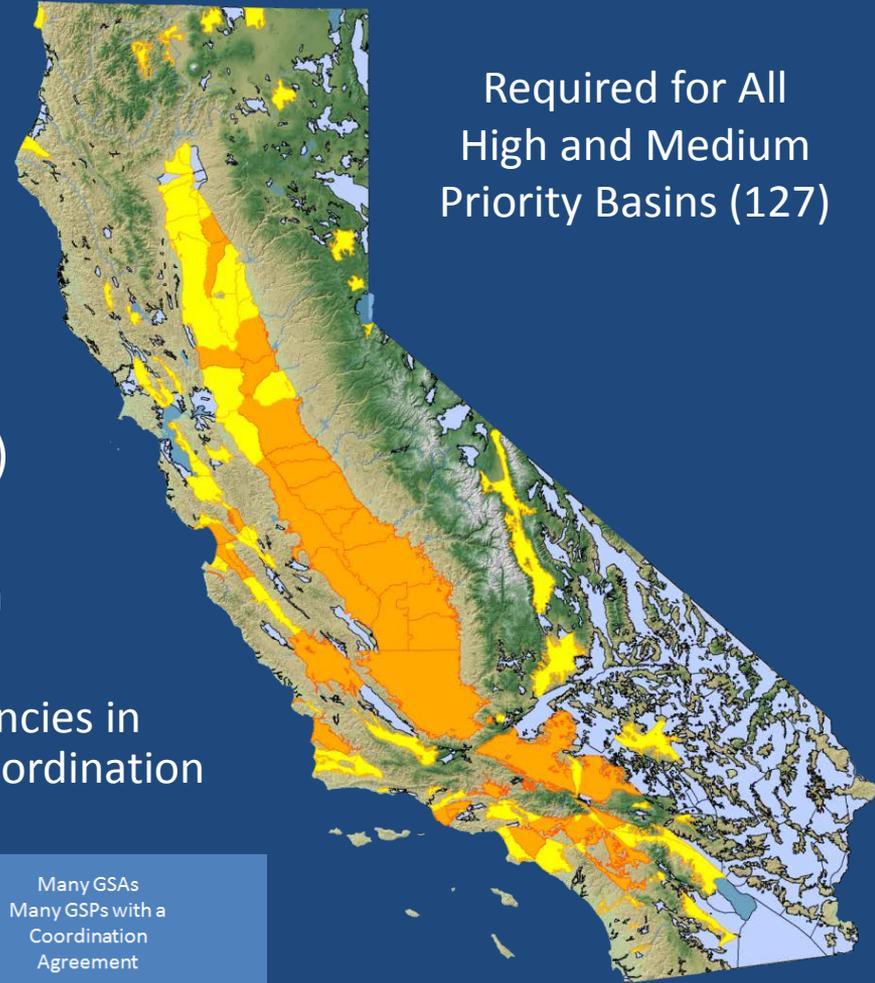
**Dates and Durations are Subject to Change**

# GSP Emergency Regulation

## Outline

# SGMA GSP Requirements

- By June 1, 2016, DWR shall adopt regulations for:
  - Evaluating GSP/Alternatives
  - Implementation of GSP/Alternatives
  - Coordination agreements
- The regulations shall identify:
  - Required Plan Components (§10727.2)
  - Additional Plan Elements (§10727.4)
  - Coordination of Multiple GSPs in Basin (§10727.6)
  - Other information that will assist local agencies in developing and implementing GSPs and coordination agreements.



## • Three Options (§ 10727)



One GSA  
One GSP



Many GSAs  
One GSP with a Coordination Agreement



Many GSAs  
Many GSPs with a Coordination Agreement

# Summary of Regulation Articles

## **1. INTRODUCTORY PROVISIONS**

## **2. DEFINITIONS**

## **3. TECHNICAL AND REPORTING STANDARDS**

1. Best Management Practices
2. Data and Reporting Standards
3. Data Management and Record Keeping

## **4. PROCEDURES**

1. Information Provided by Department
2. Reporting Provisions
3. Initial Notification
4. Submission of Adopted Plan for Review
5. Public Input

## **5. PLAN CONTENTS**

1. Administrative Information
2. Basin Setting
3. Sustainable Management Criteria
4. Monitoring Networks
5. Projects and Management Actions

## **6. REPORTS**

## **7. EVALUATION AND ASSESSMENT OF PLANS**

## **8. COORDINATION AGREEMENTS**

## **9. ALTERNATIVES AND OTHER PLANS**

# Summary of Regulation Articles

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# Technical and Reporting Standards

## Best Management Practices

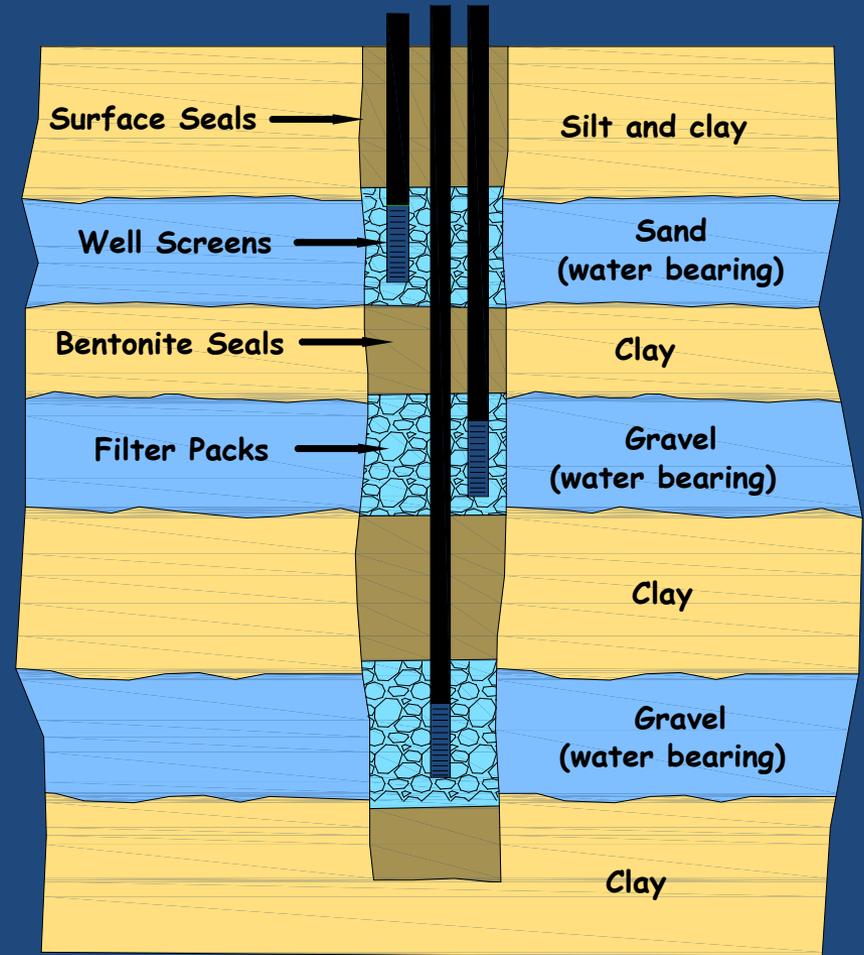
### (BMPs)

## Data and Reporting Standards

- Wells
- Monitoring wells
- Other monitoring sites
- Maps
- Hydrographs

## Data Management and Record

### Keeping



# Plan Content

## Administrative Information

- Executive Summary
- Agency Information
- Notice and Consultation

## Basin Setting

- Hydrologic Conceptual Model
- Basin Conditions
- Water Budget/Baseline
- Management Areas

## Sustainable Management Criteria

- Sustainability Goal
- Undesirable Results
- Minimum Thresholds
- Measureable Objectives

## Monitoring Networks

- Representative Monitoring
- Assessment and Improvement

## Projects and Management Actions



Surface Water  
Depletion



Reduction  
of Storage



Degraded  
Quality



Seawater  
Intrusion



Land  
Subsidence



Lowering  
GW Levels

# Reports

- Annual Report
  - Report format
  - Technical Information
- Plan Evaluation
- DWR Review of Annual Reports



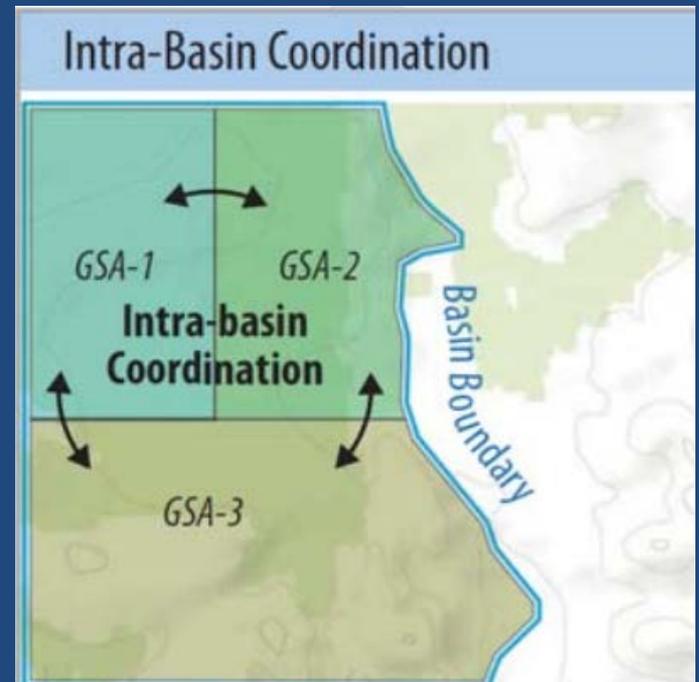
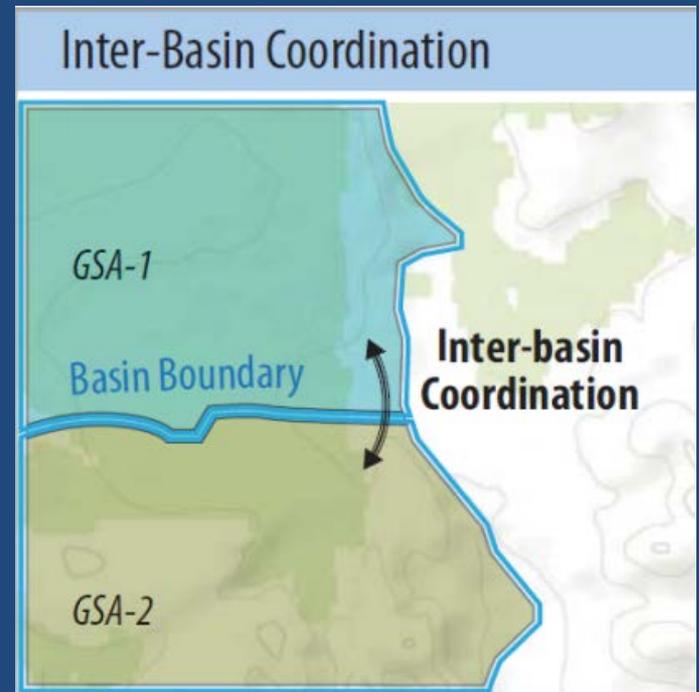
# Coordination Agreements

## Inter-basin Coordination

- Identification of all basins participating
- Technical information
- Process for resolving conflict
- Conditions for coordination agreement approval by Department

## Intra-basin Coordination

- Identification of a Managing Agency that shall be the single point of contact
- Responsibilities of each Agency in the agreement.



# Recent Advisory Group Input

# Recent Advisory Group Meetings

Since the last CWC meeting DWR has met with:

- Rural County Representatives of California (RCRC) and California State Association of Counties (CSAC)
  - (12/17/2015)
- Ag Advisory Group
  - (12/17/2015, 1/7/2016)
- Practitioners Advisory Committee
  - (1/8/2016)
- Association of California Water Agencies (ACWA)
  - (1/8/2016)
- Tribal Advisory Committee
  - (1/13/2016)
- NGO Group
  - (12/17/2015, 1/15/2016)
- Several local agencies upon request

# Summary of Advisory Group Input

- **General Comments:**

- Boundary between GSP regulations and BMPs
- GSP emergency regulations should be developed to provide local flexibility
- GSP emergency regulations should be fairly prescriptive
- What will be the requirements in 2020/2022 vs 2040/2042?

- **Inter-basin Coordination:**

- What is the level and formality of inter-basin agreements - how stringent?

- **Water Budgets:**

- What dataset is expected and to what degree does it need to match an adjacent GSP?
- How to properly plan for climate change as a requirement in GSPs?

- **Monitoring:**

- What are the minimum standards?

# Summary of Advisory Group Input (cont.)

- **Stakeholder Involvement in GSP development:**
  - What stakeholder requirements will be in GSP emergency regulations – anything additional than what is provided SGMA?
- **Fringe Areas:**
  - How do we handle unmanaged areas outside of adjudications?
- **Costs:**
  - General concerns over cost of SGMA implementation, specifically development and implementation of GSPs.
- **Depletions of Interconnected Streams:**
  - Proposed definitions for interconnected surface and groundwater and groundwater dependent ecosystems.
- **Plan and Implementation Evaluation:**
  - How will the success or failure toward Sustainable Groundwater Management be measured?

# Next Steps

# Next Steps

CWC Meeting

GSP Regulation Major Milestones

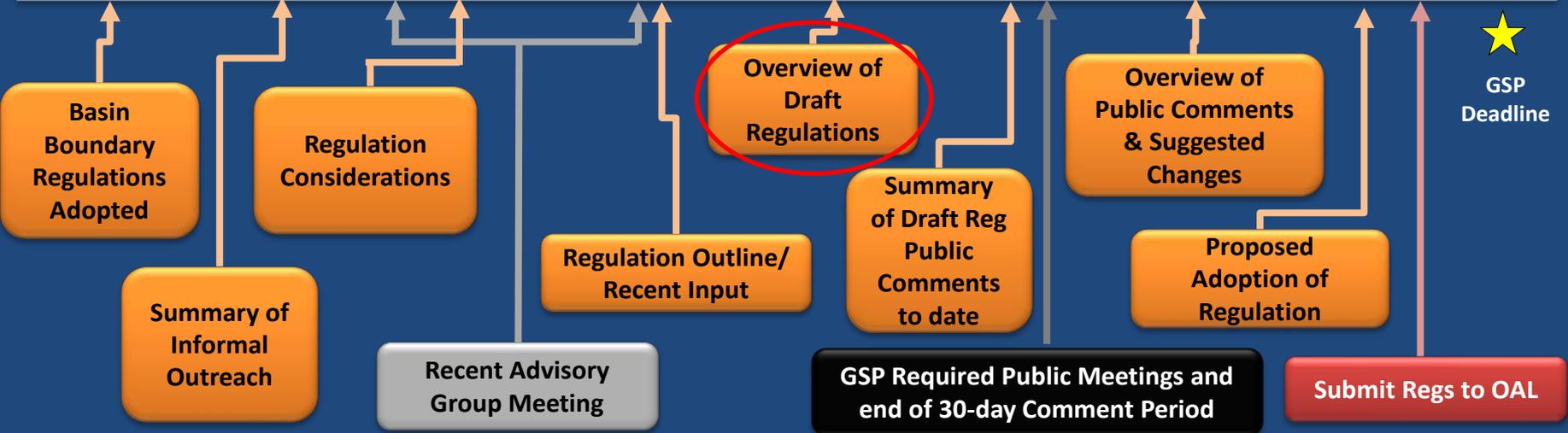
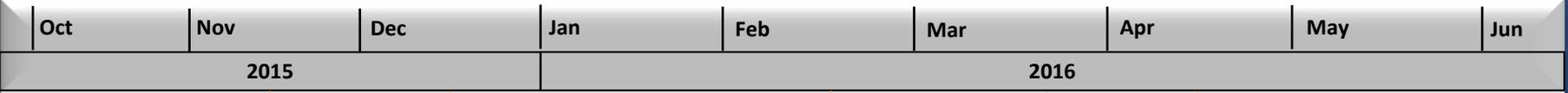
Draft Emergency Regulations Released for Public Comment

Public Comment Period Closes

Potential Adoption of Emergency Regulations

3 - Draft Emergency Regulations

4 - Adopt Emergency Regulations



Input from SWRCB

Input From Advisory Groups / Presentations

Dates and Durations are Subject to Change

# Web Resources

- **DWR Sustainable Groundwater Management (SGM)**  
<http://www.water.ca.gov/groundwater/sgm/index.cfm>
- **DWR GSP Emergency Regulation Website**  
<http://www.water.ca.gov/groundwater/sgm/gsp.cfm>
- **Subscribe to DWR SGM Email List**  
<http://www.water.ca.gov/groundwater/sgm/subscribe.cfm>
- **DWR Region Office Contacts**  
<http://www.water.ca.gov/groundwater/gwinfo/contacts.cfm>
- **Questions or Comments**  
[sgmps@water.ca.gov](mailto:sgmps@water.ca.gov)