# SGMA Strategy Implementation

AGRICULTURAL LIAISON ADVISORY BOARD (ALAB) MEETING
JUNE 6, 2016

CAROLYN BERG, SENIOR WATER RESOURCES ENGINEER
DICK TZOU, WATER RESOURCES ENGINEER





## Topics

Water Resources Management

State Actions

Local SGMA Strategy

SGMA Strategy Implementation

# Water Resources Management

#### Achieving Water Resource Sustainability

- Understanding Conditions
- Defining Sustainability
- Identifying Opportunities
- Implementing Solutions



#### Water Demand



# Challenges & Opportunities



# State Actions

#### SGMA: The Basics

#### Local management of groundwater

No uncovered areas

Specific exemptions for listed adjudicated basins

County management option

State as backstop



#### SGMA: The Basics

Sustainable Yield Sustainability Goals Sustainable Management



#### Prevent "undesirable results"

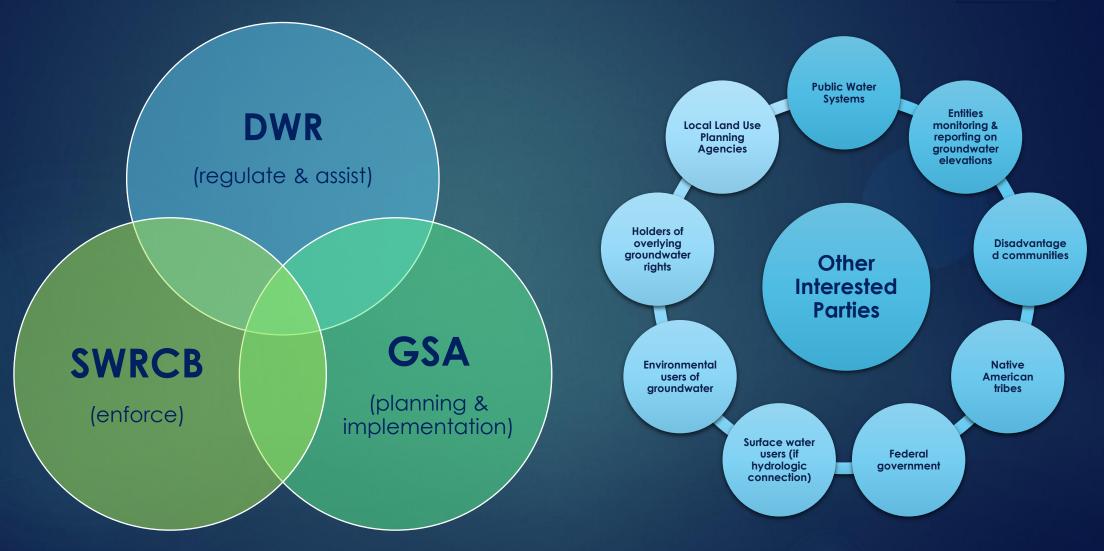
"Significant" & "Unreasonable"

Lowering of Groundwater Levels Reduction in Groundwater Storage

Seawater Intrusion Water Quality Degradation

Land Subsidence Depletions of Surface Water

## General Roles & Responsibilities



# Local SGMA Strategy

## SGMA Strategy & Action Steps

Establish community focused GSAs based on cooperative interagency and stakeholder relationships in order to comply with SGMA requirements

Groundwater Sustainability Agencies

**Organizational Agreements** 

**Groundwater Sustainability Plans** 

Stakeholder Involvement

#### No "One Size Fits All"

One GSA, One GSP **Basin GSP** GSA-1

Varying existing engagement & management

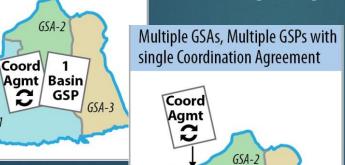
Range of undesirable results present

Multiple GSAs, One GSP with single Coordination Agreement GSA-2

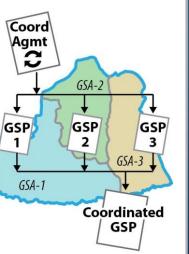
Coord

GSA-1

▶ Varying degree of "undesirable results" to mitigate

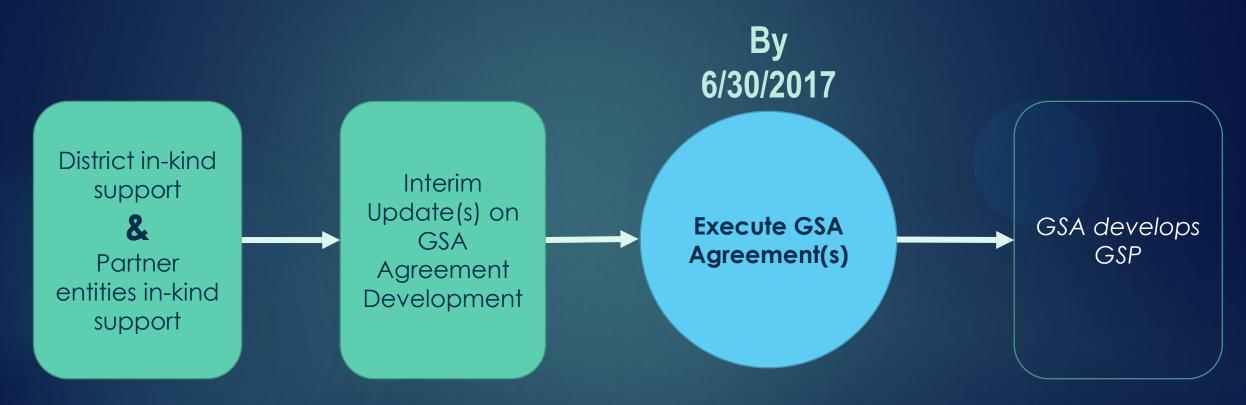


Varying demographics & water uses



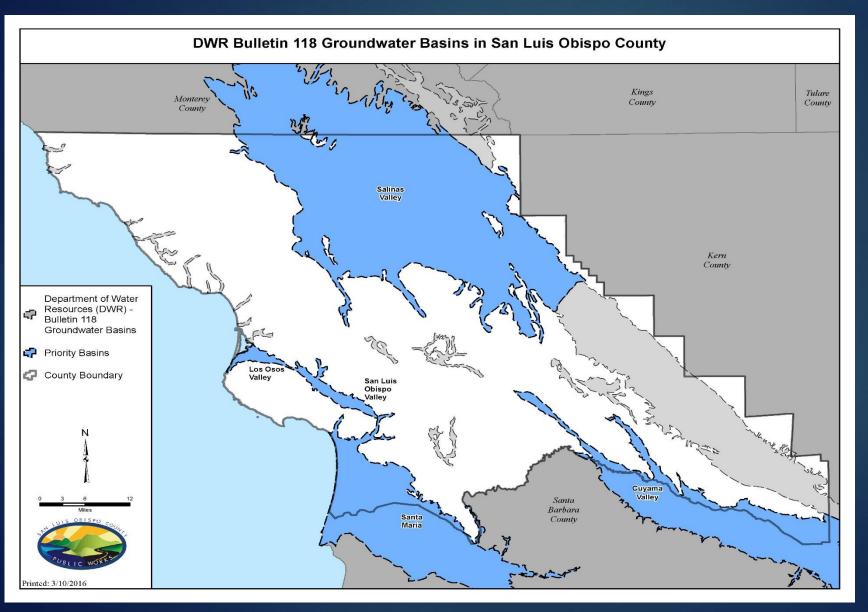
Varying level of technical information

## SGMA Strategy: Near-Term Steps



- Stakeholder engagement
- Governance
- Funding Strategy

# SGMA: Where?



# SGMA Strategy Implementation

#### Phases of Implementation

PHASE 1

Pre-GSA: Initial Coordination;
Form GSA & Governance Structure

1/13/2015 - 6/30/2017

PHASE 2

GSA: Conduct Studies; Engage Basin Users; Develop GSP for Monitoring & Implementation

7/1/2017 – 1/31/2020 (22)

PHASE 3

GSA: Implement Projects/ Strategies; Conduct Monitoring; Report to DWR

2020 (22) – 2040 (42)

#### Phase 1 Status Update

- Understand SGMA regulations
- Identify & engage eligible entities & stakeholders
- Consider boundary modification requests
- Ongoing technical studies

Sustainable Groundwater Management Act [And Related Statutory Provisions from SB1168 (Pavley), AB1739 (Dickinson), and SB1319 (Pavley)

2015 Amendments (effe shown in underline and section headings are pr

65350.5. Review and Consideration of 65352. Referral of Proposed General

113. State Policy of Sustainable, Lo 348. Emergency Regulations for F

1120. Reconsideration of State ) 1529.5. Fees for Groundwater E

1552. Authorized Expenditures 1831, Cease and Desist Order

5200. Findings .... 5201. Definitions.....

5202. Applicability of Extr

5203. Extraction Reporting 5204. Failure to File Extr

5205. Report is Not Evi

5207. Limitations on

beginning with Section 10720), and the methor evaluate those plans, alternatives, and coordi by the Department to facilitate that evaluation Note: Authority cited: Section 10733.2. Wate

These regulations specify the components of gr to groundwater sustainability plans, and coordi

Sustainable Groundwater Management Act (Pa

CALIFORNIA CODE OF REGULATIONS TITLE 23. WATERS DIVISION 2. DEPARTMENT OF WATER RESOURCES CHAPTER 1.5. GROUNDWATER MANAGEMENT

SUBCHAPTER 2. GROUNDWATER SU

ARTICLE 1. Introdu-

Reference: Sections 10733.2 and 10733.4,

#### § 350.2. Applicability

(a) The process and standards for an Ag the Department, and for Department e described in these regulations, are also plans, as described in Article 8, and to

(b) Unless as otherwise noted, section Subchapter.

§ 350. Authority and Purpose

Note: Authority cited: Section 107: Reference: Sections 10727.6, 10733

#### § 350.4. General Principles

Consistent with the State's int management, the following gen implementation of these regul

(a) Groundwater conditions r a Plan is achieving the susta the level of detail provided

(b) To comply with the Der implementation, and the information must be suffi

Sustainable Groundwater Management Program

Groundwater Sustainability Plan (GSP)

Emergency Regulations Guide

Conceptual **GSA** 

**Individual Basin Updates** 

How to engage in SGMA

#### Conceptual GSA Model

#### Local Public Agencies

(water supply, water management, land use)

**Mutual Water Cos.** 

**PUC Water Corp** 

Agricultural users
Domestic well users
Municipal well users
Public water systems
Land use planning agencies
Environmental users
Surface water users
Federal government
Native American tribes
Disadvantaged communities
Certain monitoring entities

#### GSA Agreement

- -Define decision making -Define SH engagement
- -Identify resource needs
- -Identify funding strategy

GSA
Common powers and/or
SGMA-defined GSA powers

#### **GSA STAFF**

IGSA to hire)



Manager Engineer Assistant

#### ADVISORY GROUPS

(Note: GSA may form advisory group to provide input to key decision making processes; Comprised of representative basin users and expertise)

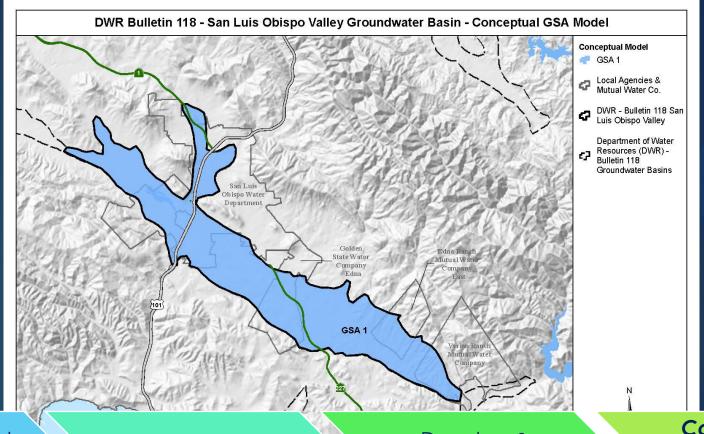
**GOVERNANCE** 

TECHNICAL

OTHERS?

## San Luis Obispo Valley Basin

GSP due: 1/31/2022



**PHASES 2 & 3** SAN LUIS OBISPO BASIN GSA(S)

Develop outreach plan & seek facilitator services

Engage basin users

Develop & execute GSA Agreement

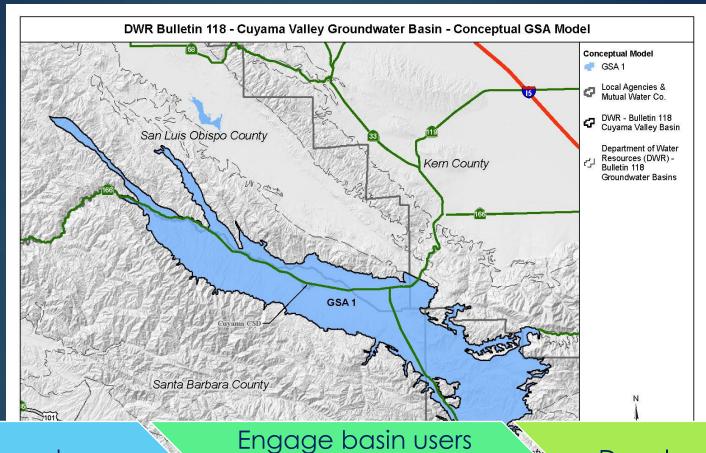
**Concurrently:** 

grant-funded Basin Characterization

Date Printed: 4/14/2016

#### Cuyama Valley Basin

GSP due: 1/31/2020



CUYAMA BASIN

MNGR ENGR ASST

GSA(S)

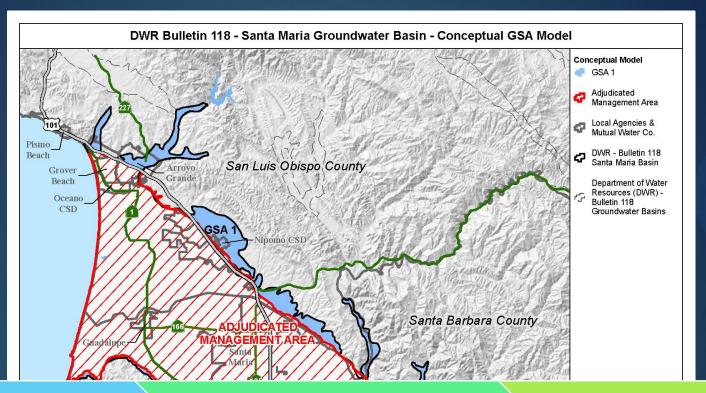
SBCWA boundary modification request

& landowners forming water district

Develop & execute GSA Agreement

#### Santa Maria Valley Basin

GSP due: 1/31/2022



SANTA MARIA BASIN

MNGR ENGR ASST

GSA(S)

NMMA

NCMA

SMVMA

Develop outreach plan & seek facilitator services

Engage basin users

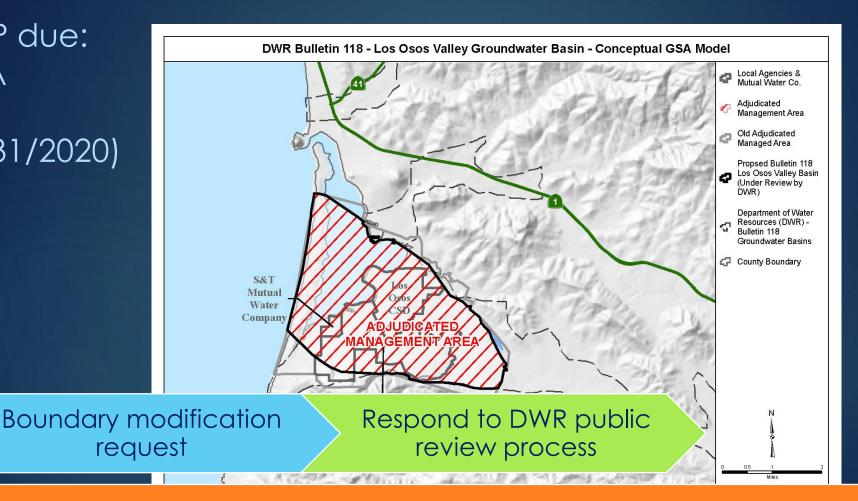
Develop & execute GSA Agreement

Adjudicated Areas(3) annual reporting & management under court order

#### Los Osos Valley Basin

GSP due: N/A

(1/31/2020)



**PHASES 2 & 3** LOS OSOS BASIN IN-KIND SERVICES **BMC** 

Adjudicated Area annual reporting & management under court order

#### (Salinas Valley) Paso Robles Basin

GSP due: 1/31/2020



PHASES 2 & 3

PASO BASIN

MNGR ENGR ASST

GSA(S)

Develop outreach plan & seek facilitator services

Engage basin users

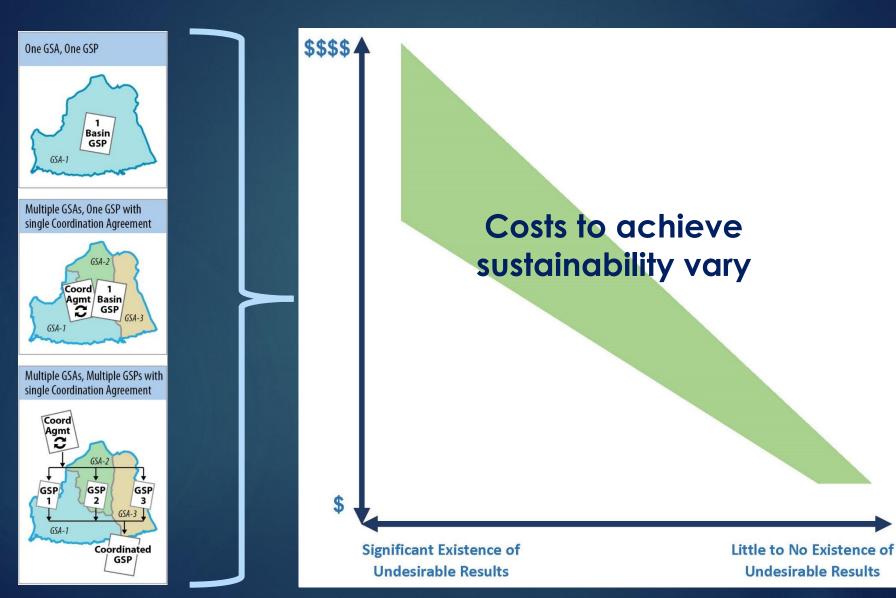
Develop & execute GSA Agreement

Date Printed: 5/20/2016

Concurrently:
Complete

technical studies underway

#### Initial Cost Estimates



# Engaging in SGMA

- Understand SGMA & regulations
- Join email lists County, DWR
- Help to identify critical stakeholders and ag interests
- Attend basin outreach events
- Provide input to Board at key decision points

# Thank you!

For more information, join our email list: www.slocountywater.org/sgma

#### Your Partners in Achieving Sustainable Water Resources:

Los Osos & Santa Maria Basins:

**CATHY MARTIN** 

Water Resources Engineer

cmmartin@co.slo.ca.us 805.781.5275 Paso & SLO Basins:

**SCOTT DUFFIELD** 

Water Resources Engineer

sduffield@co.slo.ca.us 805.788.2316 **SLO, Santa Maria & Cuyama Basins:** 

**DICK TZOU** 

Water Resources Engineer

dtzou@co.slo.ca.us 805.781.4473