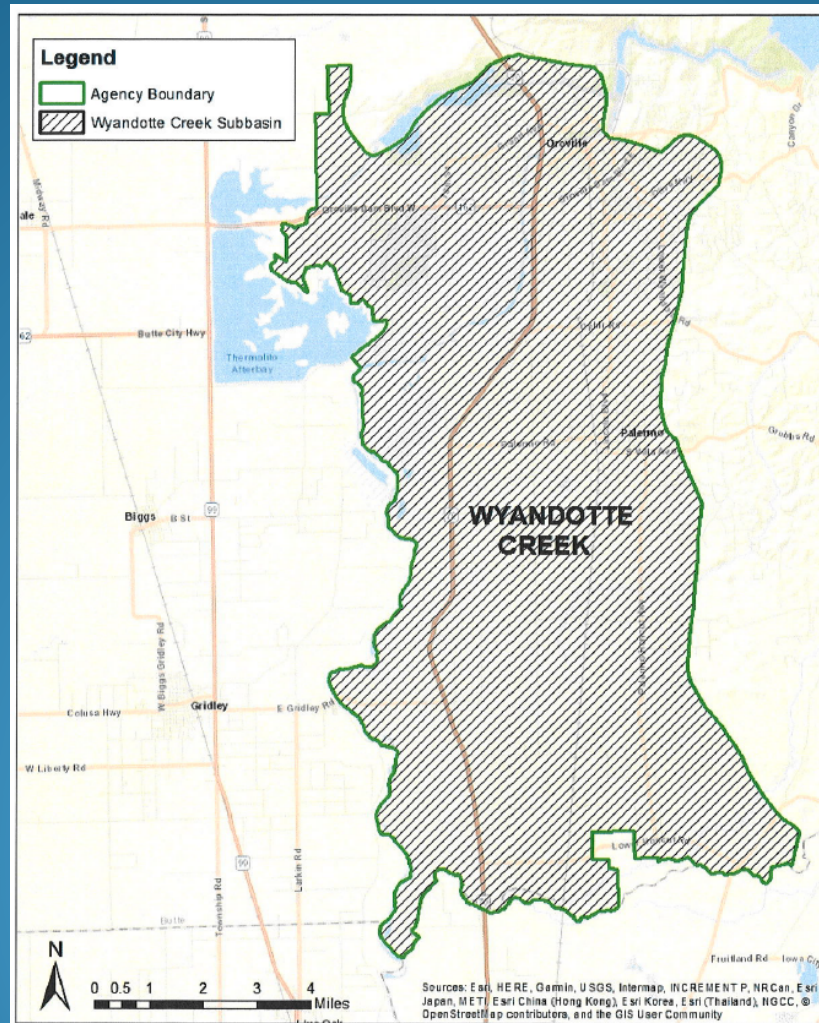
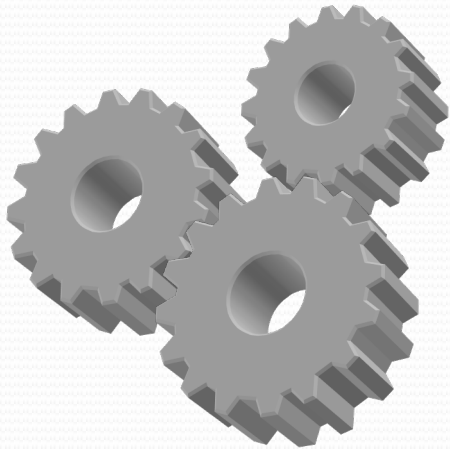


# Sustainable Groundwater Management Act



# Sustainable Groundwater Management Act



*Legislative  
Framework*

# Sustainable Groundwater Management Act

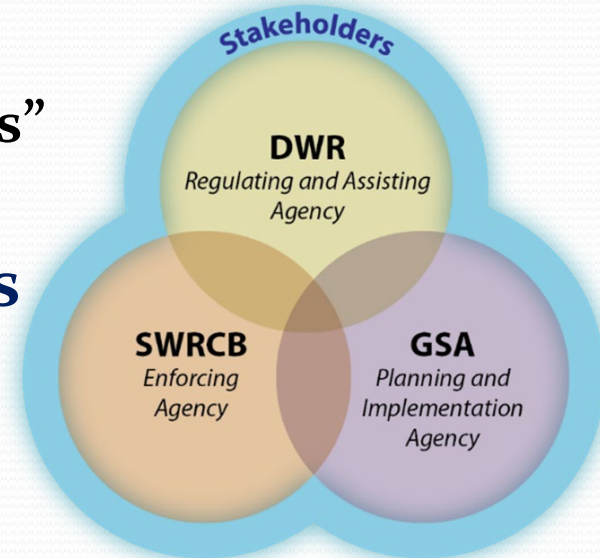
## *Legislative Package*

- Package of bills (SB 1168, AB 1739, SB 1319)
  - Effective January 1, 2015
- Local control is a hallmark of SGMA
- 127 groundwater basins statewide must comply
- Sustainability must be achieved within 20 years
- Requirement to manage groundwater under a Groundwater Sustainability Plan (GSP)

# Sustainable Groundwater Management Act

## *Overarching Concepts*

- **Local Management**
  - “Groundwater Sustainability Agencies”
- **Groundwater Sustainability Plans**
  - Regulatory Targets
  - Sustainability in 20 years
- **State Technical Support and Regulatory Standards**
- **State Oversight/Intervention**



# Sustainable Groundwater Management Act

## *State Role - DWR*

### ➤ Basin Priorities

- Basin Adjustments
- Basins in Critical Overdraft

### ➤ Regulations

- Groundwater Sustainability Plan components
- Basin boundary adjustment procedures
- Basin assessment methodologies
- Alternative compliance

# Sustainable Groundwater Management Act

## *State Role - DWR*

### ➤ **Technical Assistance**

- **Best management practices for sustainable groundwater management**
- **Financial Assistance - Propositions 1 & 68**
- **Technical Support Services**

### ➤ **Assessment of Groundwater Sustainability Plans**

- **Initially within 2 years and every 5 years**
- **Assess the impact of a GSP on an adjacent basin >> interbasin sustainability**
- **Corrective actions for deficiencies**

# Sustainable Groundwater Management Act

## *State Role – State Water Resources Control Board*

- **Intervention – “Probationary basins” if**
  - **No GSA by June 30, 2017**
  - **No GSP by January 31, 2022 for all high and medium priority basins**
  - **Inadequate GSP or failure to implement a GSP**
- **Remediation – 180 days**
- **Interim Plan, Reporting and Enforcement**
- **Fees**

# Sustainable Groundwater Management Act

## *Water Management and Land Use*

- **Required Collaboration**
  - Land Use Agencies (General Plans)
  - Groundwater Sustainability Agencies (Groundwater Sustainability Plans)
- **County authorities**
  - Well permitting
  - Police powers to manage groundwater (i.e., Chapter 33)
  - Land use



# Sustainable Groundwater Management Act

## *Applicability/Geographic Scope*

- **Bulletin 118 subbasins**
  - **Priority of high and medium CASGEM basins**
- **Basin Boundaries Adjustment Process**
  - **Modified Wyandotte Creek subbasin – 2018**
  - **Added Thermalito Water and Sewer District and the remainder of Oroville and placed boundary along Yuba County line.**

# Sustainable Groundwater Management Act

## *Groundwater Sustainability Agency (GSA)*

- **Groundwater Sustainability Agency (GSA)**
  - “Local Agencies” – public agency with **water** or **land use** authority
  - Counties presumed to be responsible for areas outside of water district boundaries
- By **June 30, 2017**, agencies notified DWR of intent to be a GSA
- Responsible for developing and implementing the Groundwater Sustainability Plan
- GSA may be made formed from more than one local agency >>> Wyandotte Creek GSA

# Sustainable Groundwater Management Act

## *Groundwater Sustainability Plans*

- **Deadline**
  - **January 31, 2020** for basins in critical overdraft
- **Exempt from CEQA**
- **Types of Plans**
  - **Single Plan/One GSA**
  - **Single Plan/Multiple GSAs**
  - **Multiple Plans/Multiple GSA**
    - **“Coordinated Agreement”**
  - **Must cover the entire basin**
- **Wyandotte Creek will have 1 Plan**

# **Sustainable Groundwater Management Act**

## ***Groundwater Sustainability Plans***

### **Components**

- **General Plan linkage**
- **Water budget – 50 year planning horizon**
- **Sustainable Criteria**
- **Projects and Actions**
- **Sustainability in 20 years**
- **Interim milestones – 5 year increments**

# Sustainable Groundwater Management Act

## *Groundwater Sustainability Plans*

### 1. Administrative Information

- §354.4. General Information
- §354.6. Agency Information
- §354.8. Description of Plan Area
- §354.10. Notice & Communication

### 2. Basin Setting

- §354.14. Hydrogeologic Conceptual Model
- §354.16. Groundwater Conditions
- §354.18. Water Budget
- §354.20. Management Areas

### 3. Sustainable Management Criteria

- §354.24. Sustainability Goal
- §354.26. Undesirable Results
- §354.28. Minimum Thresholds
- §354.30. Measurable Objectives

### 4. Monitoring Networks

- §354.34. Monitoring Network
- §354.36. Representative Monitoring
- §354.38. Assessment & Improvement
- §354.40. Reporting Monitoring Data to the Department

### 5. Projects and Management Actions

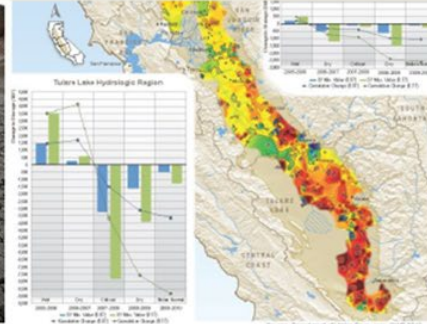
- §354.44. Projects & Management Actions

# Sustainable Groundwater Management Act

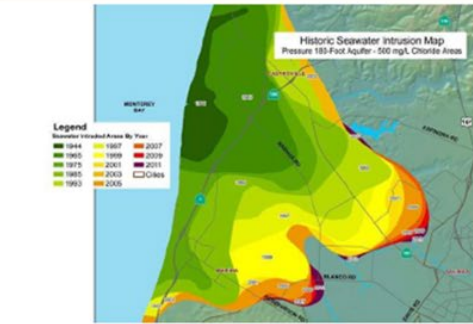
## Undesirable Results



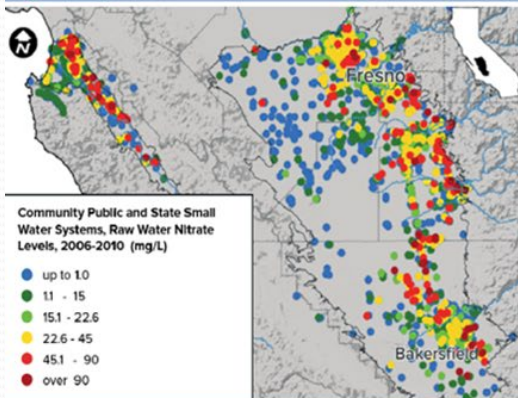
Lowering of GW Levels



Reduction  
of GW Storage



Seawater Intrusion



Water Quality Degradation



Land Subsidence



Depletion of  
Interconnected Streams

# Sustainable Groundwater Management Act

## *Groundwater Sustainability Plans*

### Compliance Tools (Discretionary)

- Investigations
- Well extraction limits
- Well permit restrictions
- Well metering/reporting
- Water management projects (e.g. Recharge)
- Land use

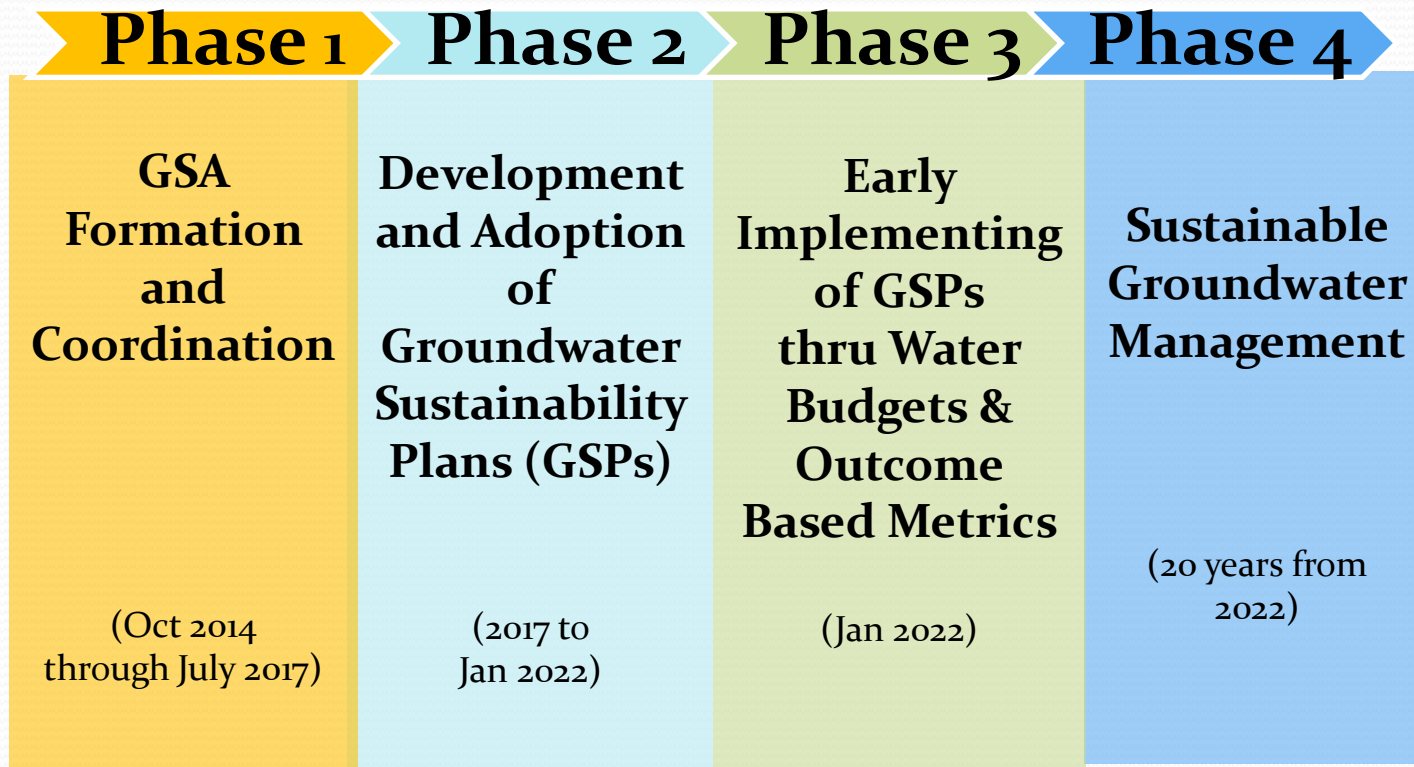
# Sustainable Groundwater Management Act

## *Groundwater Sustainability Plans*

- **Reporting**
  - Annual reports – April 1<sup>st</sup>
  - Interim Benchmarks – every 5 years – initial 2027
- **Fees (not subject to Prop 218)**
- **Enforcement Authority**



# Sustainable Groundwater Management Act



# Sustainable Groundwater Management Act

## *What's Next for the Groundwater Sustainability Plan*

- *Basin Setting – Fall 2019*
- *Sustainable Criteria 2020-2022*
- *Submit by January 30, 2022*
- *Sustainability 2022-2042*





# **Sustainable Groundwater Management Act**

***Thank you***