

ENTERPRISE AND ANDERSON GROUNDWATER SUSTAINABILITY PLANNING



Public Meeting, First United Methodist Church, Redding, CA

OCTOBER 16, 2019

WELCOME

Meeting Objectives

- » Share information on the Sustainable Groundwater Management Planning process.
- » Understand what we know about the status and trends for groundwater in the Enterprise and Anderson sub-basins.
- » Gather input from stakeholders on interests and potential management actions.

AGENDA

- » Sustainable Groundwater Management Act
- Julie Leimbach, Kearns & West
- » Groundwater Conditions for Redding Area Basin
- Pete Lawson, Jacobs Engineering
- » Breakout Groups
- » Question & Answer

PROCESS FOR GATHERING INPUT TONIGHT

- » Ask questions during presentations
- » Submit written comments anonymously to the comment box.
- » Submit answers to questions at your table.
- » Optional: name, affiliation, contact information on written comments.
- » All verbal questions and comments will be noted.

YOUR FEEDBACK MATTERS

- » SGMA requires stakeholder input.
- » Your input will be organized thematically and presented to the EAGSA Board.
- » The planning team and EAGSA will consider your comments for incorporation into the groundwater plan.
- » Public meeting notes will be available on the EAGSA website.

BREAKOUT GROUP QUESTIONS

- » What matters to you about how groundwater is managed in the Redding Area?
- » What outcomes would you like to avoid in relation to the Redding Area's groundwater?

Example outcomes:

- Degraded water quality
- Decreased water reliability
- Degraded rivers and streams
- Increased cost

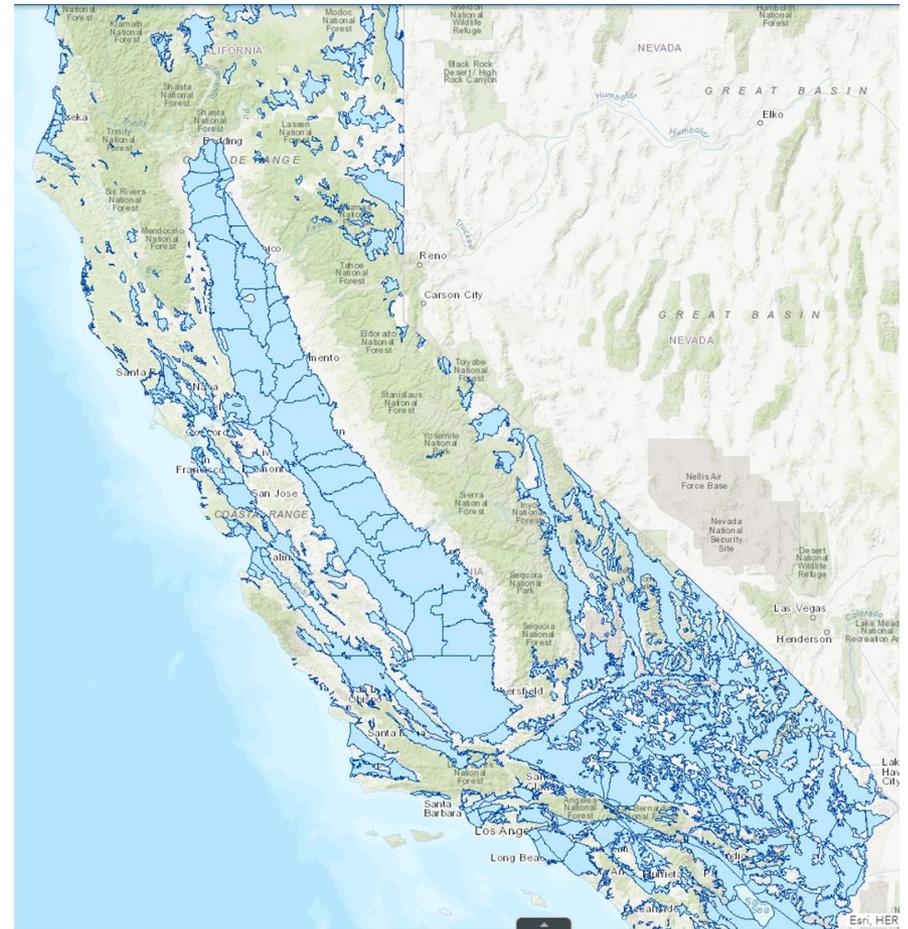
BREAKOUT GROUP QUESTIONS

- » Which groups or stakeholders do you think will be impacted by groundwater planning activities?

SUSTAINABLE GROUNDWATER MANAGEMENT ACT

CALIFORNIA'S GROUNDWATER BASINS

» 515 Alluvial Groundwater Basins



(CA Department of Water Resources)

INTRODUCTION TO SGMA

2014 Sustainable Groundwater Management Legislation

- » Key legislation

- » AB 1739: Dickinson

- » SB 1168: Pavley

- » SB 1319: Pavley



- » Key Guiding Principle:

- » ***Sustainable groundwater management is best achieved locally***

SGMA

1. SGMA is a law
 - Foundational change to groundwater management in California
2. SGMA allows for significant Local Control
3. GSAs are required to:
 - Develop GSPs
 - Perform Public Engagement
4. GSAs are new, local government, **regulating agencies**

SGMA INTENDED OUTCOMES AND EXPECTATIONS

- » Enhance local groundwater management consistent with existing water rights
- » Avoid the six undesirable results
- » Improve data collection and understanding about groundwater
- » Determine sustainable yield and sustainably manage our groundwater basins

SUSTAINABLE GROUNDWATER MANAGEMENT

sus·tain·a·bil·i·ty

- » The ability to be maintained at a certain rate or level.

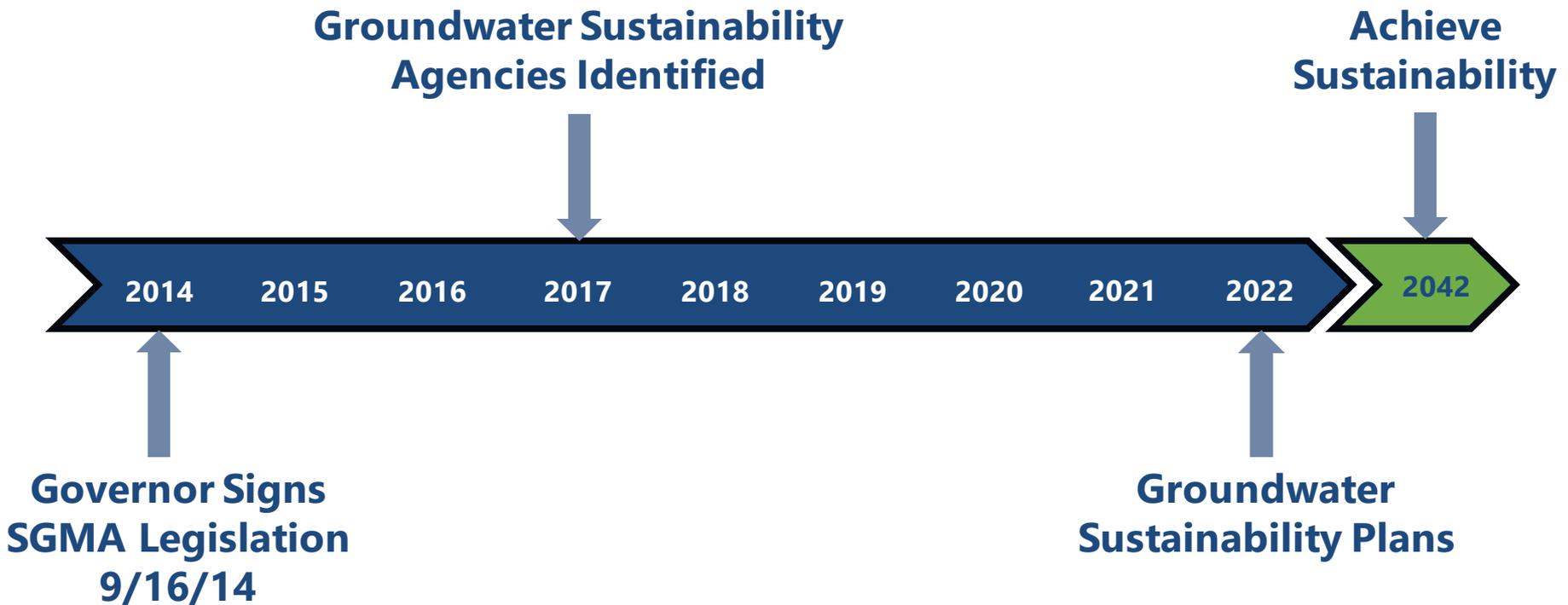
- » Groundwater basins must be managed for sustainability by avoiding ***undesirable results***.

WHO IS AFFECTED BY SGMA?

All Beneficial Users (Water Code §10723.2)

- » All Groundwater Users
- » Holders of Overlying Rights (agriculture and domestic)
- » Municipal Well Operators
- » Public Water Systems
- » Tribes
- » Local Land Use Planning Agencies
- » Counties
- » Local Landowners
- » Disadvantaged Communities
- » Businesses
- » Federal Government
- » Environmental Users
- » Surface Water Users

TIMELINE FOR SUSTAINABLE MANAGEMENT



GSA RESPONSIBILITIES

1. General

- Do anything “necessary and proper” to carry out SGMA’s purposes.
- Adopt rules, regulations, ordinances, and resolutions.

2. Perform Investigations Related to:

- The need for groundwater management.
- To implement rules and regulations in their GSP.
- Propose and update fees.
- Monitor compliance and enforcement.

GSA RESPONSIBILITIES

3. Groundwater Extraction Oversight

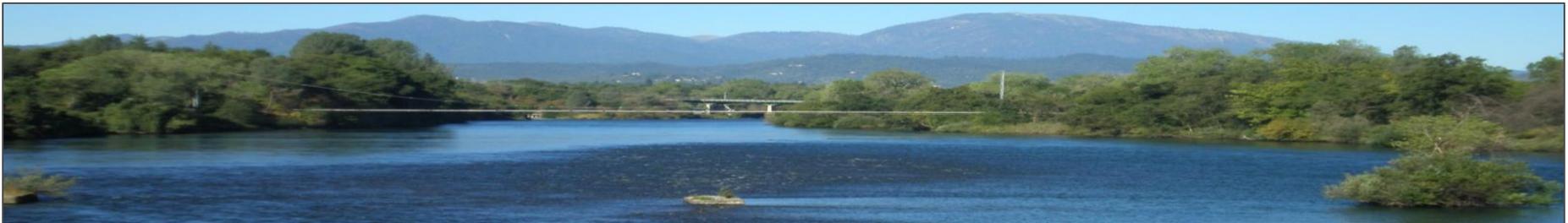
- Require registration of wells
- Require well measurement devices and reporting

4. Property Acquisition and Management

- Acquire property
- Appropriate and acquire surface water or groundwater rights
- Provide a fallowing program
- Perform acts necessary or proper to purchase, transfer, deliver, or exchange water or water rights

ENTERPRISE ANDERSON GROUNDWATER SUSTAINABILITY AGENCY (EAGSA)

- » Separate entity to fulfill the role of a GSA
- » Development and adoption of a Groundwater Sustainability Plan (GSP)
- » Implementation and management of the GSP.
- » No intent to assume any authorities impacting local planning and land use.



EAGSA PRIORITIES

- » Meet SGMA's GSA local formation requirements
- » Maintain local groundwater authority
- » Simple, Representative, Efficient Governance
- » Meet SGMA's GSP requirement
- » Investigations of groundwater to prepare a GSP.
- » Reporting of surface water diversion to underwater storage and accounting for General Plan Assumptions.
- » Allow for sustainable future beyond the GSP

EAGSA AUTHORITY DOES **NOT** EXTEND TO:

- » Imposition of any fees, charges, assessments, taxes, or other exactions.
- » Any regulations limiting, suspending, or controlling groundwater extractions.

Any changes to the Board's Authority requires unanimous consent of the EAGSA Board

DEVELOP AND PROPOSE TO EACH EAGSA MEMBER:

- » Standards for measuring and reporting groundwater.
- » Standards to reduce and eliminate overdraft within the EAGSA.
- » Best management practices.
- » Metering, monitoring, and reporting standards for groundwater pumping.

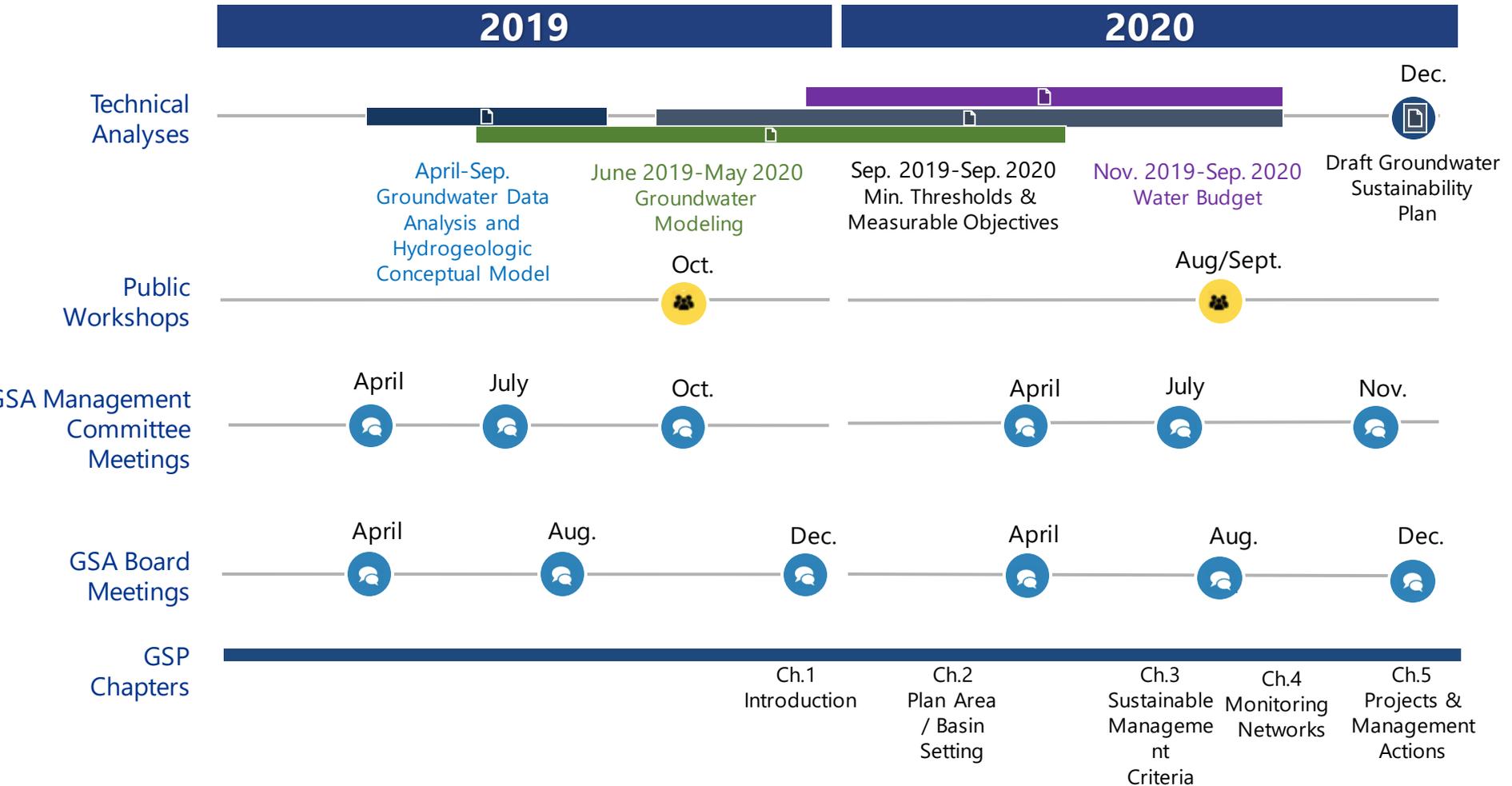
GROUNDWATER SUSTAINABILITY PLAN

- » Ch 1: Introduction
- » Ch 2: Plan Area and Basin Setting
- » Ch 3: Sustainable Management Criteria
- » Ch 4: Monitoring Networks
- » Ch 5: Project Management & Actions

GSP REQUIREMENTS

- » Description of physical setting
- » Groundwater conditions
- » Historic and projected water demands & supplies
- » Maps of management and recharge areas
- » Minimum Thresholds and Measurable Objectives with 5-year Interim Milestones
- » Management Actions
- » Funding Plan for groundwater management

STAKEHOLDER INVOLVEMENT AND GSP PLANNING SCHEDULE



GROUNDWATER CONDITIONS IN THE REDDING AREA BASIN

Pete Lawson, Jacobs Engineering

K E A R N S  W E S T

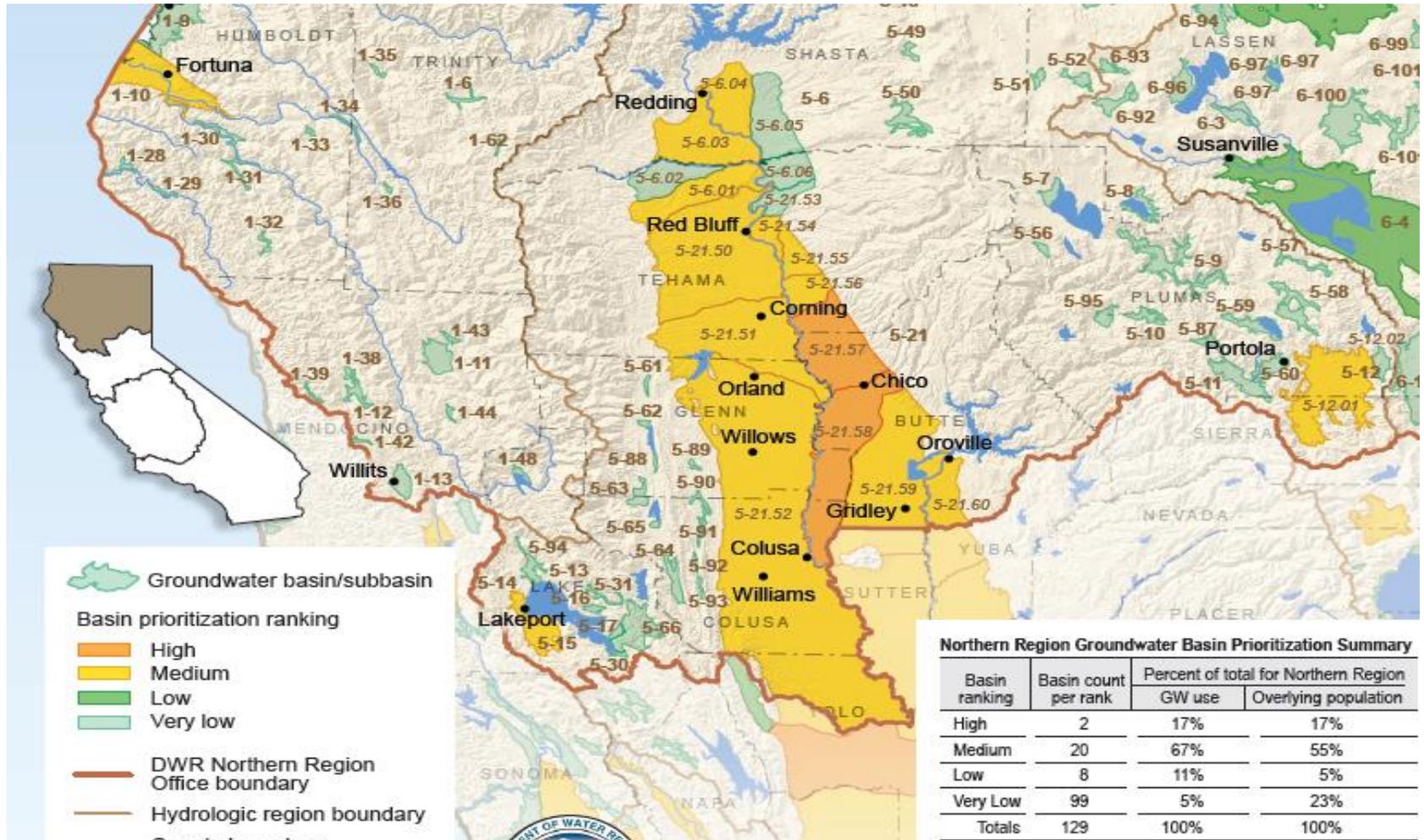
EXTRA SLIDES

UNDESIRABLE RESULTS



1. Chronic lowering of groundwater levels
2. Reduction of groundwater storage
3. Seawater intrusion
4. Degraded water quality
5. Land subsidence
6. Depletions of interconnected surface water and groundwater

REDDING GROUNDWATER BASIN



BASIN PRIORITIZATION

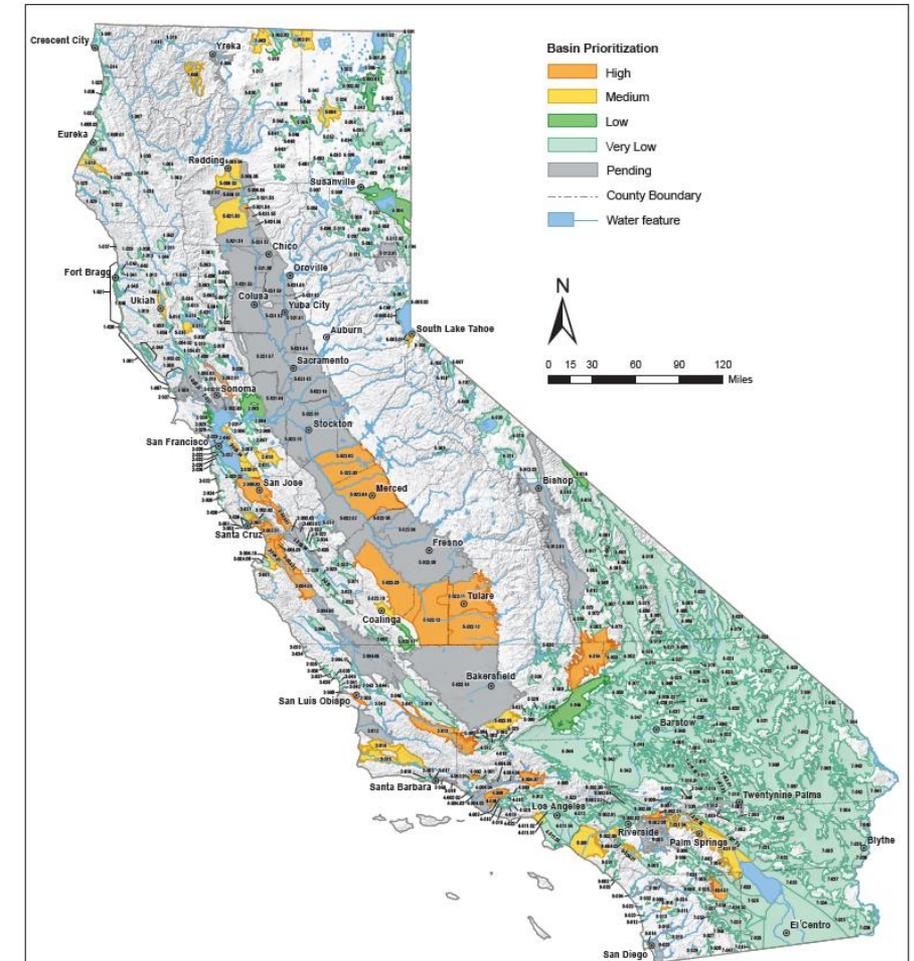
SGMA applies to medium and high priority groundwater basins

» 127 Medium and High Priority Basins in California

Redding Groundwater Basin

- » Enterprise & Anderson Sub-basins
- » Medium Priority
- » Relatively Healthy –Levels and Quality

Statewide Map of 2018 SGMA Basin Prioritization Results



GROUNDWATER SUSTAINABILITY PLANS

- » Medium and high priority basins - managed by one or more **Groundwater Sustainability Agencies (GSAs)** by June 30, 2017
- » GSAs develop a **Groundwater Sustainability Plan(s) (GSP)** by January 31, 2022

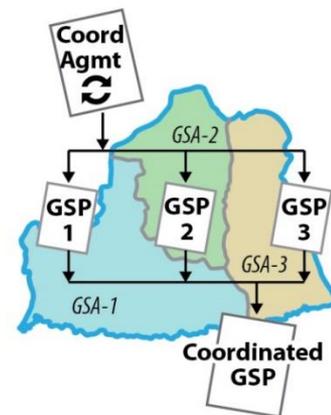
One GSA, One GSP



Multiple GSAs, One GSP with single Coordination Agreement



Multiple GSAs, Multiple GSPs with single Coordination Agreement



TIMELINE FOR SUSTAINABLE MANAGEMENT

- » **By 2017**, local groundwater sustainability agencies (GSAs) must be identified
- » **By 2022**, non-critically overdrafted high and medium basins must be covered by a groundwater sustainability plan (GSP)
- » **Yearly** reporting and GSP Updates every 5 years, must demonstrate progress towards sustainability
- » **By 2042**, each high & medium priority basin must have achieved sustainability

GSP REQUIREMENTS

