

# Sustainable Groundwater Management Act



[Presenter Name,  
Agency/Organization]

[Date of  
Presentation]

# Groundwater is central to ensuring the health and safety of our community and maintaining the vitality of our economy and environment.

- Three out of the four cities (Riverbank, Oakdale, and Waterford) in the subbasin rely solely on groundwater for their water resources.
- Over 60% of the City of Modesto's water supply comes from groundwater.
- Groundwater is used conjunctively with surface water supplies to grow food, support dairies, and maintain the long-term vitality of our region's agricultural economy.



# Common Terms

**SGMA** – Sustainable Groundwater Management Act of 2014

**GSA** – Groundwater Sustainability Agency

**GSP** – Groundwater Sustainability Plan

**STRGBA** – Stanislaus and Tuolumne Rivers Groundwater Basin Association



# Sustainable Groundwater Management Act

- Signed into law by Governor Jerry Brown in 2014.
- Sets framework for statewide sustainable groundwater management.
- Recognizes that groundwater management is best accomplished locally.
- If a basin is found to be out of compliance, the state can intervene.



# SGMA Requirements

Jun. 30, 2017

Jan. 31, 2022

Every Five Years

2042



Form  
Groundwater  
Sustainability  
Agencies

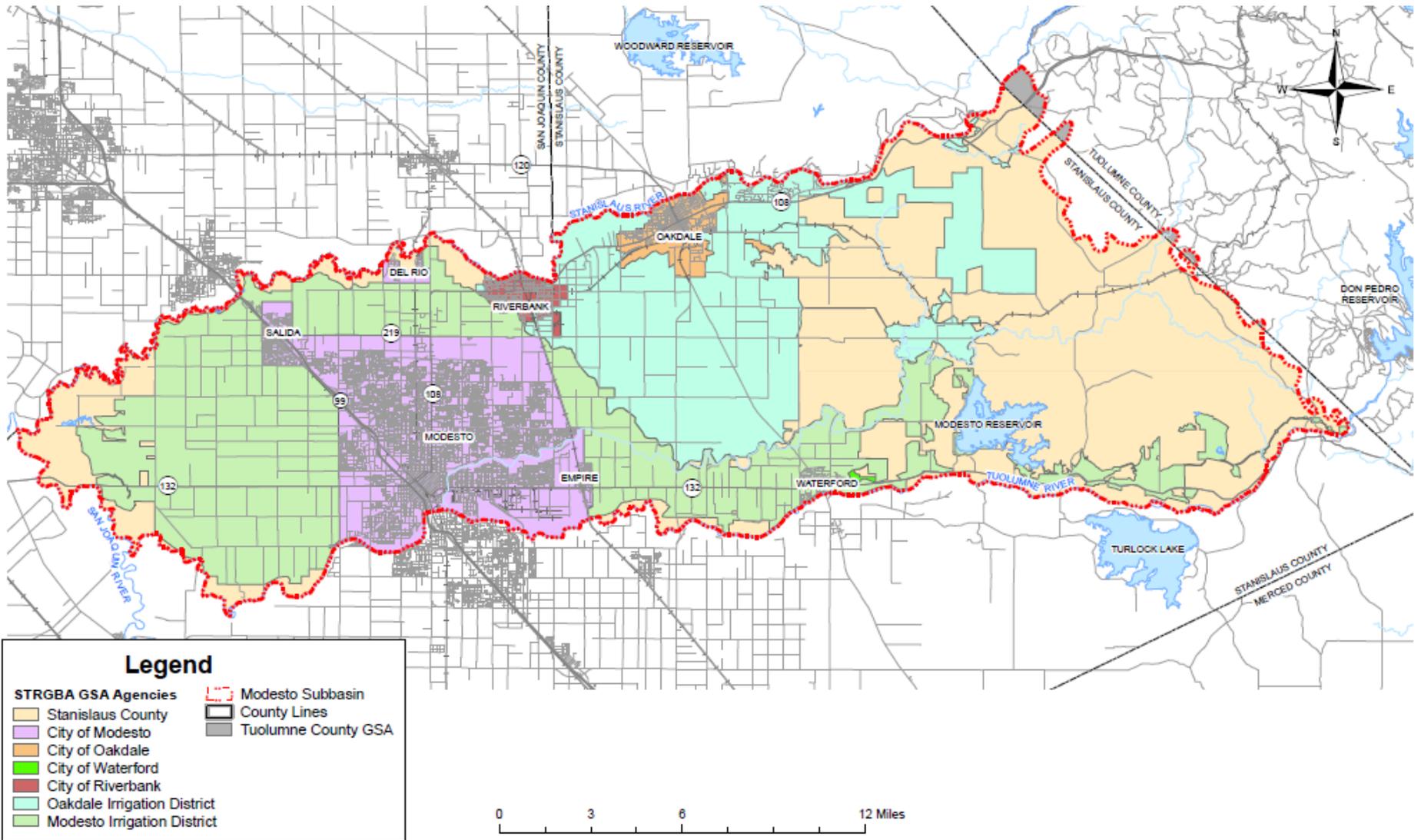
Medium and  
High Priority  
Basins Submit  
Groundwater  
Sustainability  
Plan to State

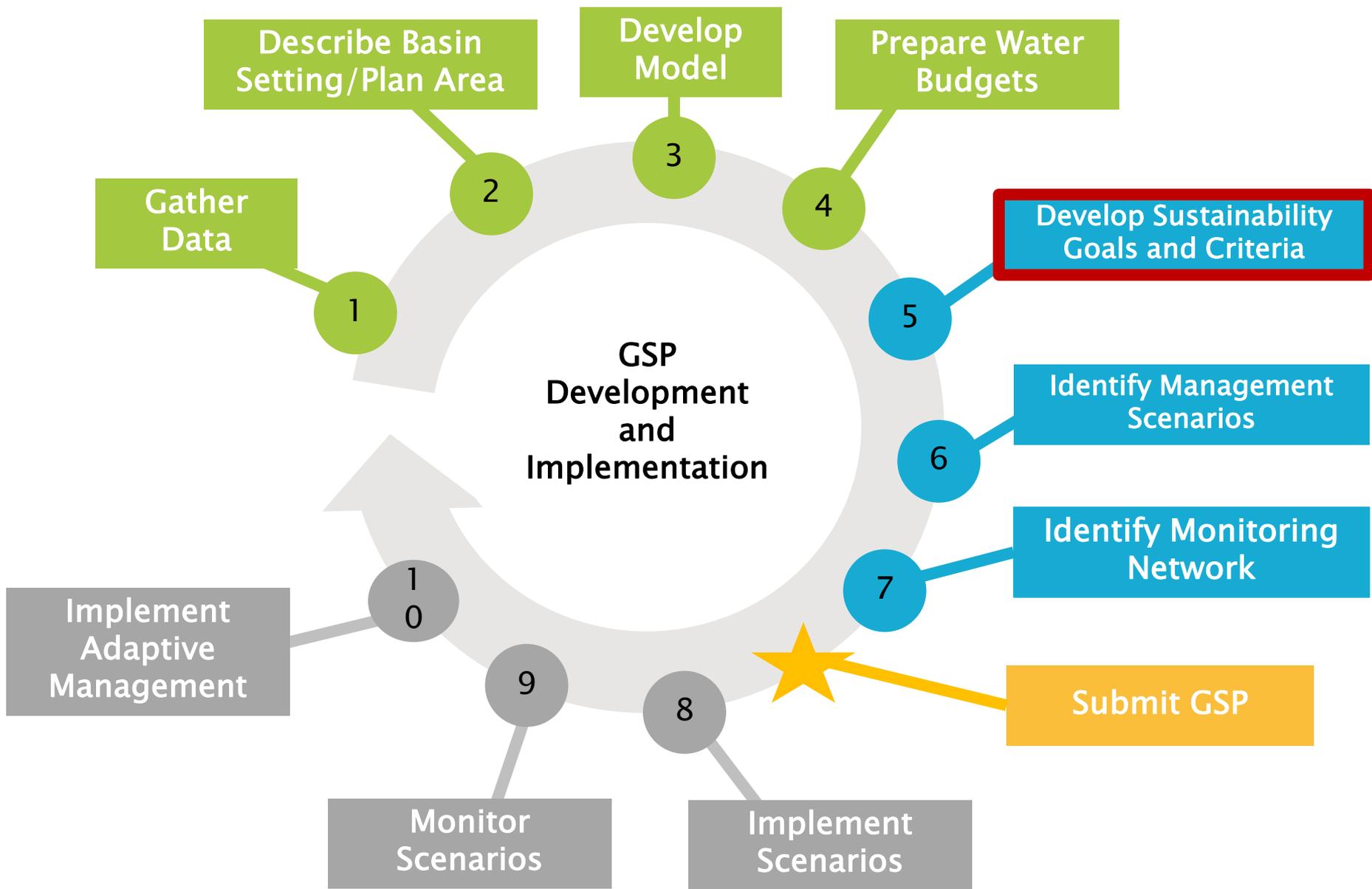
Update  
Groundwater  
Sustainability  
Plan

Modesto  
Subbasin  
Achieves  
Sustainability



# Modesto Subbasin





## STRGBA GSA Meetings

Meetings are held on the **second Wednesday of every month** from 1:30 PM to 3:00 PM

Due to COVID-19, all meetings are currently being held virtually in accordance with the region's public health guidelines.



## Recap

- [Agency name] is working with other agencies in the region to collaboratively develop a plan to maintain the reliability of our groundwater resources
- The plan is due to the State for review by January 2022
- Public and stakeholder input is a key part of the planning process



**For more information**

**Visit the STRGBA GSA  
website at  
[www.strgba.org](http://www.strgba.org)  
or contact your local  
GSA representative.**

# Extra Slides

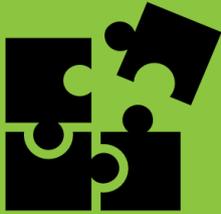
# STRGBA GSA

- Formed in 2017 in response to SGMA.
- Is responsible for and has the authority to manage the majority of the Modesto Subbasin.
- Coordinating with the Tuolumne County GSA to develop a single GSP for the Subbasin.



## Member Agencies of STRGBA GSA

- City of Modesto
- Modesto Irrigation District (MID)
- City of Oakdale
- Oakdale Irrigation District (OID)
- City of Riverbank
- City of Waterford
- Stanislaus County



What can  
you do?  
**Get Involved!**

- ✓ **Talk** to your local groundwater sustainability agency representative
- ✓ **Sign-up** for your local groundwater sustainability agency's email list
- ✓ **Attend** public meetings, workshops, and office hours
- ✓ **Provide input** on the groundwater sustainability plan
- ✓ **Help us spread the word!**



# GSP Requirements

- ✓ Plan area
- ✓ Groundwater conditions
- ✓ Water budget
- ✓ Management areas
- ✓ Sustainability goals
- ✓ Undesirable results
- ✓ Measurable objectives
- ✓ Monitoring protocols and data management
- ✓ Projects to achieve sustainability



# Sustainability Indicators and Metrics

Sustainability Indicators						
Sustainability Indicators	Lowering GW Levels	Reduction of Storage	Seawater Intrusion	Degraded Quality	Land Subsidence	Surface Water Depletion
Metric(s) Defined in GSP Regulations	<ul style="list-style-type: none"> <li>Groundwater Elevation</li> </ul>	<ul style="list-style-type: none"> <li>Extraction Volume</li> </ul>	<ul style="list-style-type: none"> <li>Chloride concentration isocontour</li> </ul>	<ul style="list-style-type: none"> <li>Migration of Plumes</li> <li>Number of supply wells</li> <li>Volume</li> <li>Location of isocontour</li> </ul>	<ul style="list-style-type: none"> <li>Rate and Extent of Land Subsidence</li> </ul>	<ul style="list-style-type: none"> <li>Volume or rate of surface water depletion</li> </ul>

Source: DWR



## Undesirable Results



- Chronic lowering of groundwater levels.
- Reduction of groundwater storage
- Seawater intrusion
- Degraded water quality
- Land subsidence
- Depletions of interconnected surface water

# Sustainable Management Criteria

Sustainability Goal

Undesirable Results

Minimum Threshold

Measurable  
Objectives

