

GROUNDWATER SUSTAINABILITY PLAN ADOPTION

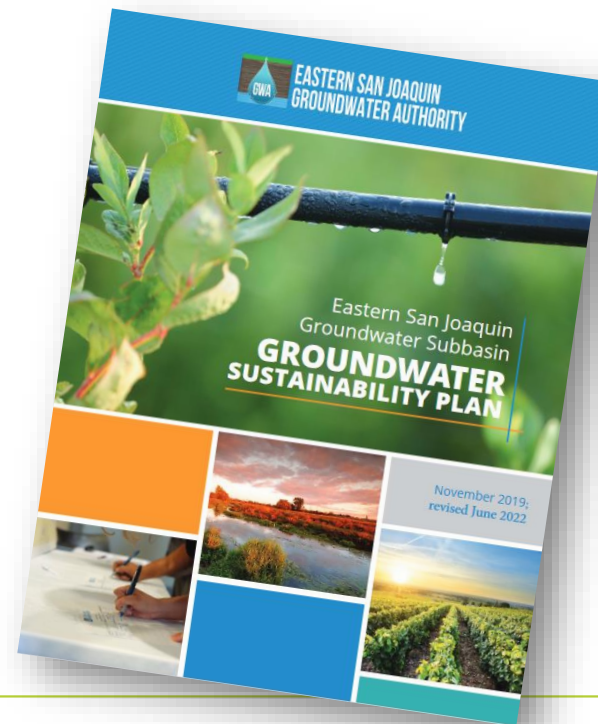
Water Advisory Group

October 2, 2024

Agenda Item No. 24-1003

What is SGMA?

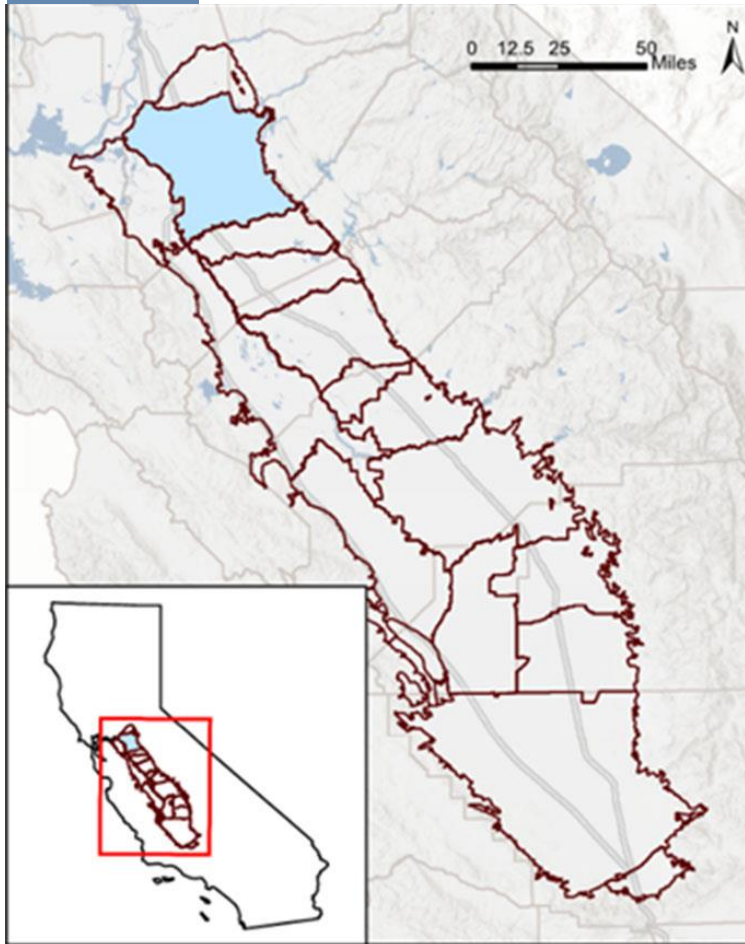
- The Sustainable Groundwater Management Act, or SGMA, is statewide legislation (2014) that establishes a path for the sustainable management of groundwater for the first time in California's history



What Does SGMA Require?

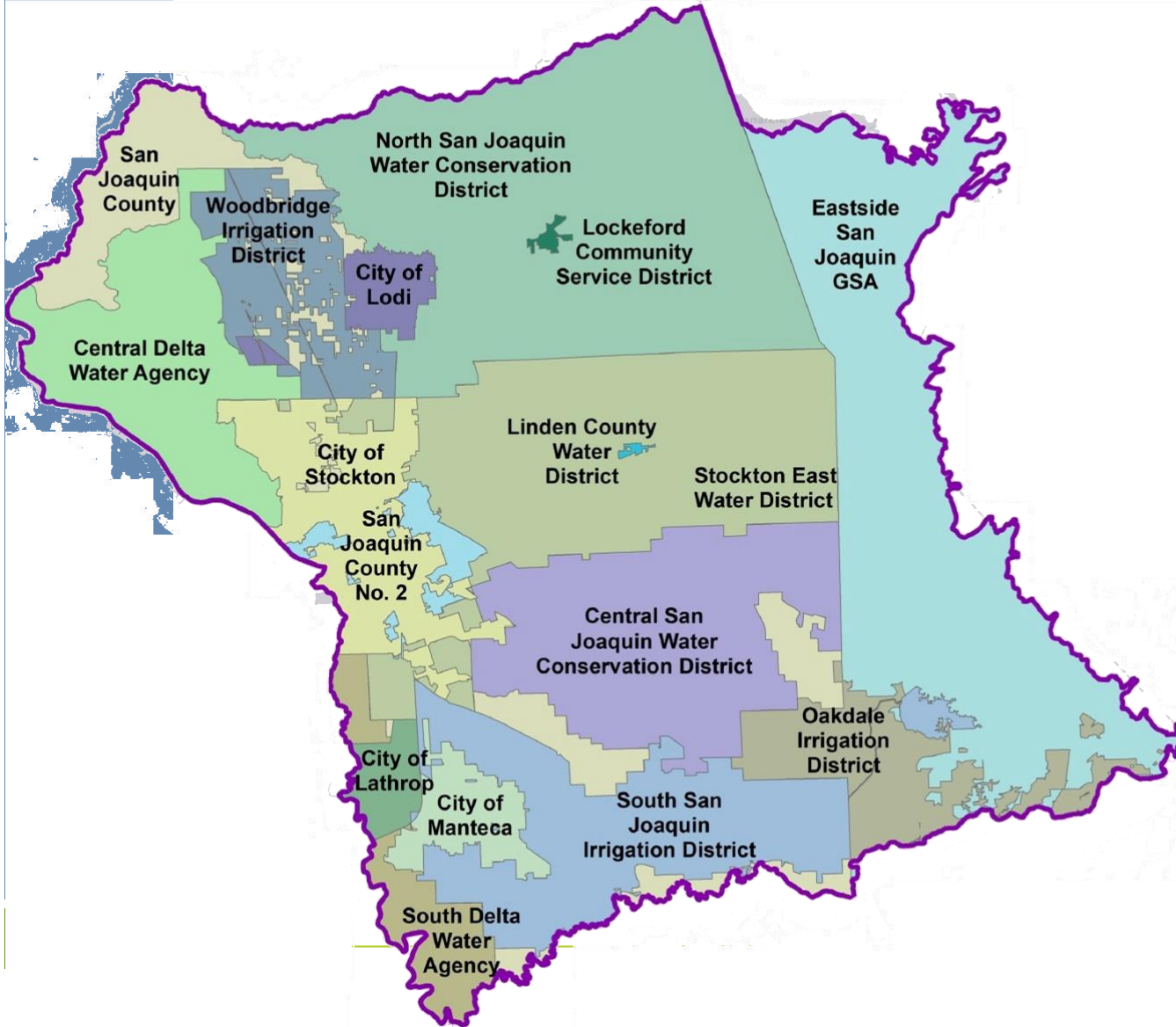
- Groundwater Sustainability Agencies (GSAs) must be formed. GSAs must prepare and submit the initial Groundwater Sustainability Plans (GSPs) by:
 - January 2020, for critically overdrafted basins
 - Updates every 5 years
- GSPs must include measurable objectives and milestones to achieve sustainability within 20 years of GSP adoption
- GSAs must assess progress every 5 years after initial GSP submittal through Periodic Evaluations (PEs)
- GSP development must be open and transparent

Basin Setting



- The Eastern San Joaquin Groundwater Subbasin (Subbasin) is one of 21 basins identified by the California Department of Water Resources (DWR) as being in a state of critical overdraft
- SGMA requires preparation of a Groundwater Sustainability Plan (GSP) to address measures necessary to attain sustainable conditions in the Subbasin

Eastern San Joaquin Groundwater Authority

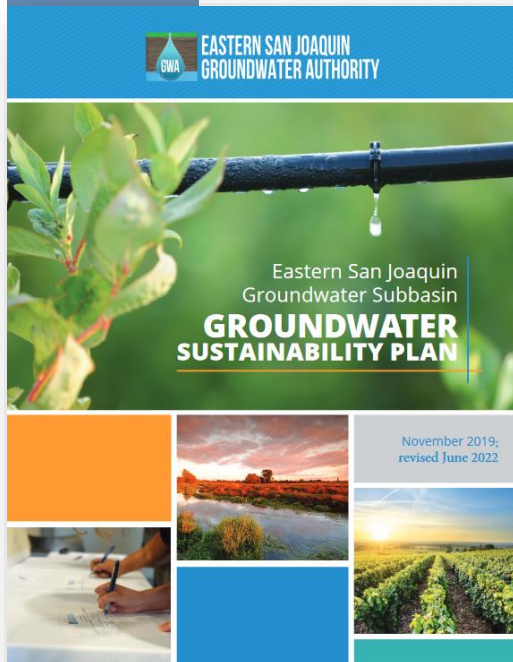


SP for 16
ite Groundwater
rability Agencies
the GWA
ed every 5 years

GSP Timeline

✓	January 2020	GWA submits GSP to DWR
✓	January 2022	DWR completed review & identifies GSP deficiencies
✓	July 2022	GWA submits 2022 revised GSP
✓	July 2023	GWA receives DWR approval with 8 corrective actions
	October 2024	Presentation to WAG & CWC
	November 2024	Notice in Stockton Record (14 day minimum public review)
	December 2024	City Council to hold public notice hearing to consider GSP adoption
	January 2025	GSP submitted to DWR

The GSP – What's In It?

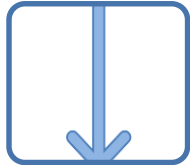


1. Agency Information, Plan Area, & Communication
 1. Basin Setting
 - Hydrogeologic Conceptual Model
 - Current & Historical Conditions
 - Water Budget
2. Sustainable Management Criteria
3. Monitoring Networks
4. Data Management System
5. Projects & Management Actions
6. Plan Implementation
7. References

Sustainability Indicators

- Chronic Lowering of Groundwater Levels
- Reduction in Groundwater Storage
- Seawater Intrusion
- Degraded Water Quality
- Land Subsidence
- Depletion of Interconnected Surface Water

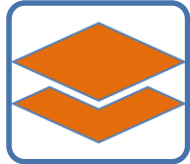
DWR's Recommended Corrective Actions (RCAs)



1) Justify GWL MT and undesirable results



5) Add additional justification for 2,000 mg/L chloride isocontour line



2) Revise subsidence SMC using direct subsidence monitoring data



6) Revise ISW SMC and monitoring network



3) Update water budgets using recalibrated model



7) Improve Rep MN for GWQ



4) Revise estimate for reduction of groundwater storage volume and UR definition



8) Develop chloride isocontour line in western portion of Subbasin

Periodic Evaluation

- SGMA requires that GSAs evaluate the GSP every 5 years and whenever the Plan is amended to:
 - Provide status of groundwater conditions
 - Discuss progress towards meeting interim milestones & measurable objectives
 - Describe advancement of projects and management actions and unforeseen challenges
- ESJ Subbasin's first Periodic Evaluation is due January 29, 2025 along with the 2024 Amended GSP
 - Together, these documents address the 8 Recommended Corrective Actions

Completing the 5-Year Update

Address 8 recommended
corrective actions



Prepare 2024 GSP
Amendment



Prepare Subbasin's first
Periodic Evaluation



Hold public open house
& public review period



GSA adoption of GSP
Amendment & approval of
Periodic Evaluation



Submit all documentation by
January 29, 2025 deadline

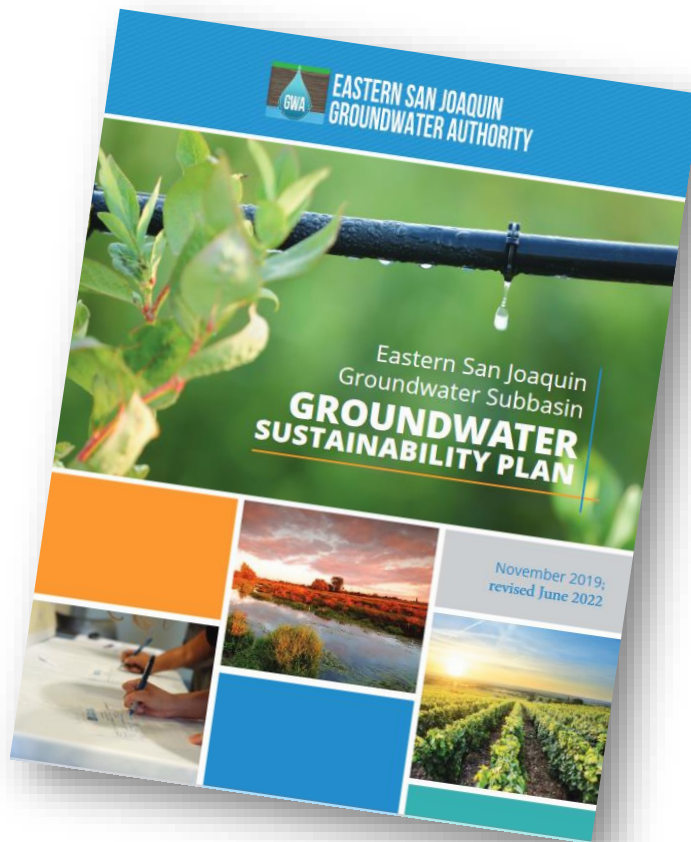


Near-Term SGMA Efforts

1. Conduct spring & fall monitoring
 - GWL
 - GWQ
 - Subsidence
2. Complete Annual Reports
 - Initiate DMS structure updates for 2025 Annual Report
 - Model data updates
3. Begin development of Demand Management Program
4. Execute relevant elements of Communication & Engagement Plan

GSP

Published on Eastern San
Joaquin Groundwater Authority
Website: esjgroundwater.org



Recommendation

The Council Water Committee
Recommends the City Council adopt the
GSP and authorize the GWA to submit
the GSP to the DWR.