Butte County's Groundwater Puzzle: How the Pieces Fit

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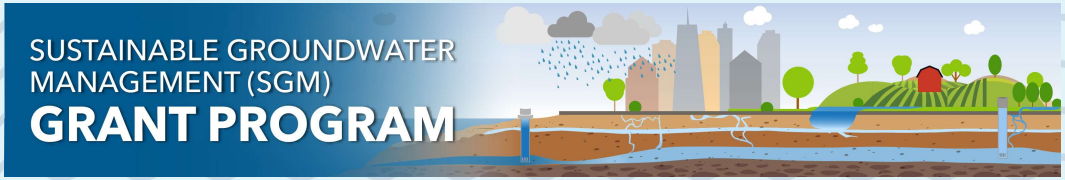

About the Vina GSA

- Local agency responsible for sustainable groundwater management in the Vina Subbasin
- Formed in 2019 under SGMA
- Governed by a locally appointed Board representing agricultural, municipal, and community interests

Approach to Groundwater Sustainability

Grant-Funded Projects: Why This Work Is Happening Now

Vina SGM Projects

- $5.5 million DWR Sustainable Groundwater Management grant
- Funds projects to:
  - Fill data gaps identified by DWR
  - Improve long-term planning and decision-making
  - Support GSP updates and future sustainability

Data Gap Identification & Data Improvement

- What: Expanding groundwater and stream monitoring
- Why: Better data leads to better decisions
- How it helps: Improves understanding of groundwater levels, streams, and domestic wells

Demand Reduction Strategies

- What: Exploring ways to reduce groundwater use in agriculture
- Why: Using less water helps stabilize groundwater levels
- How it helps: Identifies practical, voluntary options that could be scaled in the future

Lindo Channel Recharge Feasibility

- What: Studying how creek flows could recharge groundwater
- Why: Recharge helps refill the aquifer
- How it helps: Supports long-term water supply using natural systems

Water Supply and Recharge Feasibility

- What: Evaluating surface water projects that could supplement groundwater
- Why: Using surface water reduces pressure on groundwater
- How it helps: Diversifies water supplies and improves drought resilience

Inter-basin Coordination Analysis and Modeling

- What: Analyzing neighboring GSAs' plans and data
- Why: Groundwater systems can be connected across basin boundaries
- How it helps: Laying the groundwork for future coordination

How These Projects Work Together

- Monitoring → better understanding
- Planning → informed decisions
- Recharge & demand reduction → balance
- Coordination → long-term resilience

Questions?