

# Madera Subbasin Madera County GSA Project and Management Actions Ideas

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# Projects and Management Action Ideas

- Projects

- Augment supplies (new supplies, flood flows)
- Use recharge basins (on-farm and larger, like banks)
- Use wells for recharge (dry and injection)
- Build Temperance Flat
- Expand Capacity behind Buchanan Dam
- Expand Capacity of Madera Canal

- Management Actions

- Create conservation easements
- Create water markets
- Charge extraction fees to pay for regional recharge basin construction
- Well fund for people whose wells go dry



# Recharge Basins

## Permits Potentially Required

- Grading and Drainage Permit, Engineering Drawings **required (County Permit)**
- Storm Water Pollution Prevention Plan, only required if total construction is 1 acre or more. **(County, Water Board)**
- 401 – may be exempt **(Water Board)**
- 404 – may be exempt under cultivation, farm ponds **(USACE)**
- 1602 – only if you are working or connecting to an existing creek, river **(CDFW)**
- Encroachment Permit – only if you are working within the levee system or connecting to it **(CVFPB)**
- Permit – depending on storage, if the basin is above ground then the height will also dictate **(Division of Dam and Safety)**
- Letter of Map Revision LOMR – only if basin is located within the Flood plain **(FEMA)**
- Permit – only if it exceeds a certain amount of soil. 1000 CY +- **(SMARA)**
- Conditional Use Permit - basins are not exempt from CEQA **(County CED)**

## Elements Needed for a Permit

- Engineering Drawings stamped by a licensed engineer
- Cost Estimate
- Most basins required to be fenced if open to public
- Erosion Control Plan
- Elevation Certificate
- Notice of Exemption
- Erosivity Waiver