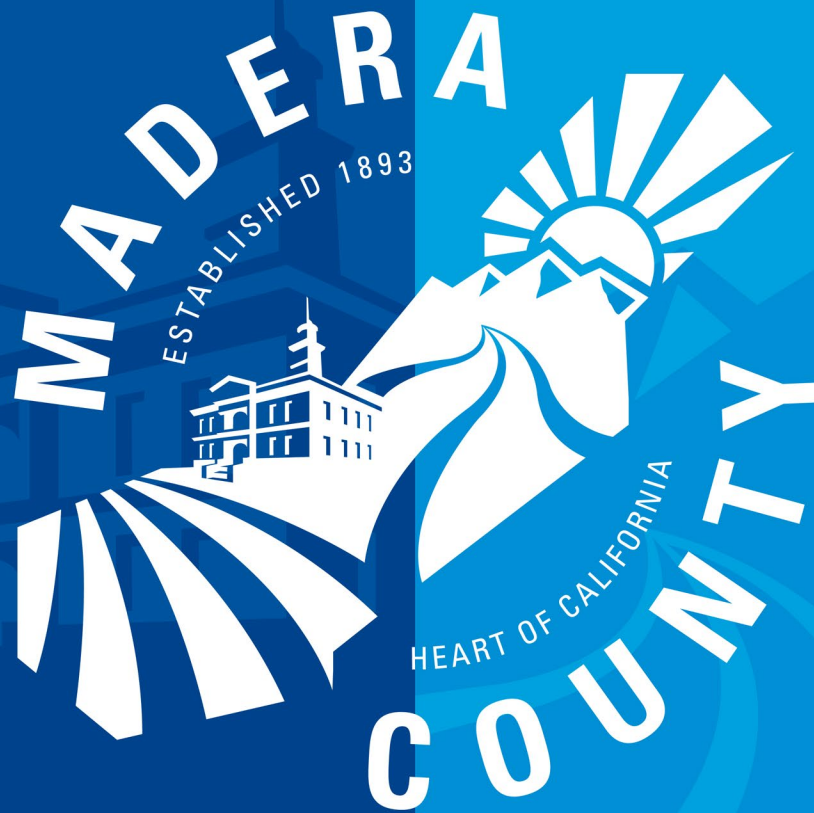






# Madera County

- 2,153 square miles
- 2 billion in ag value
  - Almonds
  - Milk
  - Grapes
  - Pistachios
- From the San Joaquin River to Devil's Postpile!
- Very active recharge



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# Driving Force: Recharge Credit

- Only allocations are within the County GSA
- Credits need an allocation Credits to allocations for 75% of water applied
- Developed as a draft in early 2023 and adopted in 2024 with retroactive credits for 2024
- Must extract water from aquifer where water was applied



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# Three Approaches to Recharge

## Contract-Based

- Between two public agencies
- Benefits both parties based on what each party brings to the table
- Approximately 900 AF over 10 years

## Executive-Order Driven

- Between farmers and their GSAs
- Benefits both parties
- Approximately 75,000 AF in 2023 of flood flows

## Grant-Funded

- In process
- Benefits State, GSA and Landowner
- Landowner agreements are a challenge



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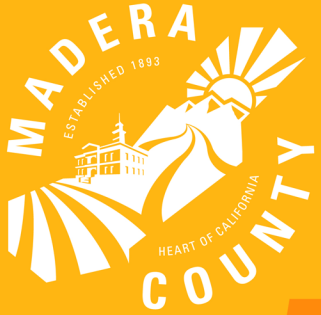
# Contract-Driven Approach

- Madera Irrigation District has access to surface water.
- Madera County owns the Ellis Basin that has storage capacity of 80 acre feet.
- Agreement was for 10 years 2015–2025
- Groundwater recharge credits will be split 50/50 between both
- Madera Irrigation District provides water for free.
- Madera County provides the basin for free.



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# Executive Order Driven Approach

- Governor signed N-4-23 and N-7-23 to avoid inundation during an extremely wet year
- Snowpack was melting rapidly and causing flooding in the San Joaquin River Basin and Tulare Lake Basin.
- Purpose was for flood management, groundwater recharge, and protection of communities and infrastructure.
- Helped move/store flood water to recharge



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## LEGEND

- Individual Diverters
- Points of Diversion (PODs)

# Flood Diversions Utilizing Executive Orders N-4-23 and N-7-23

Location of Individual Diverters and Points of Diversion in California

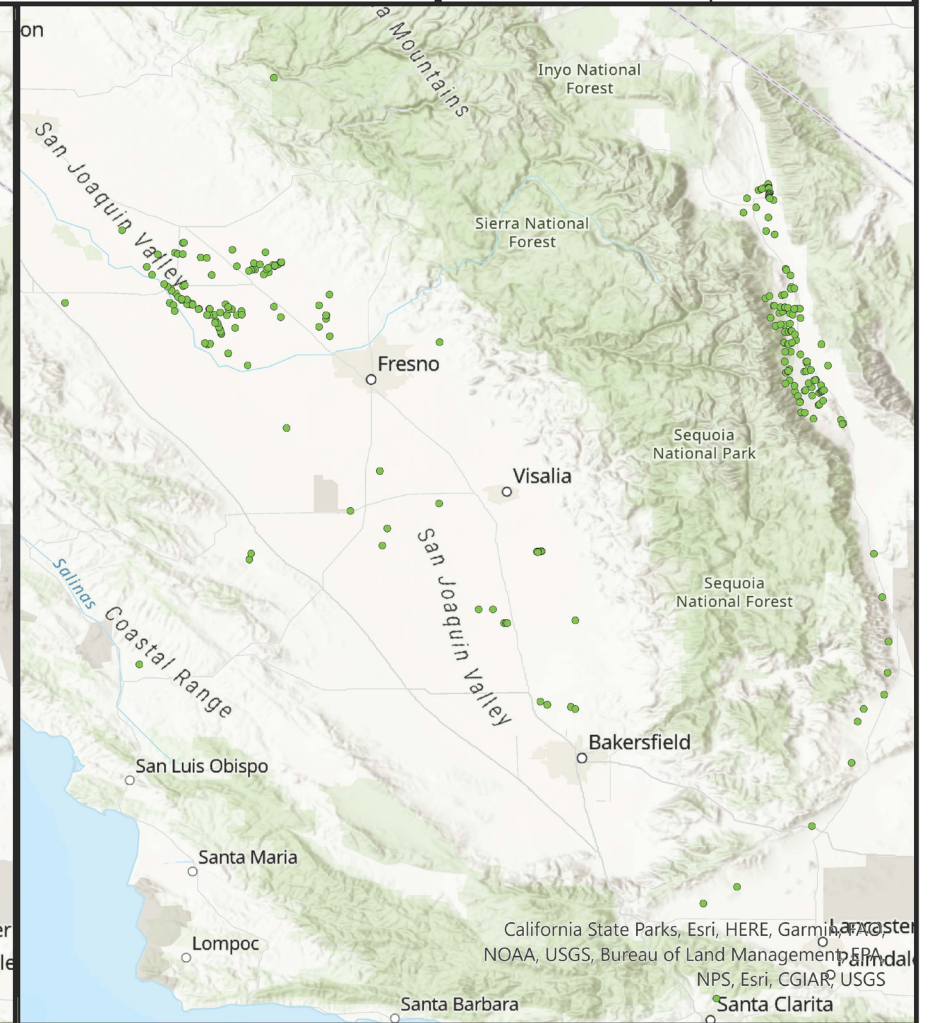
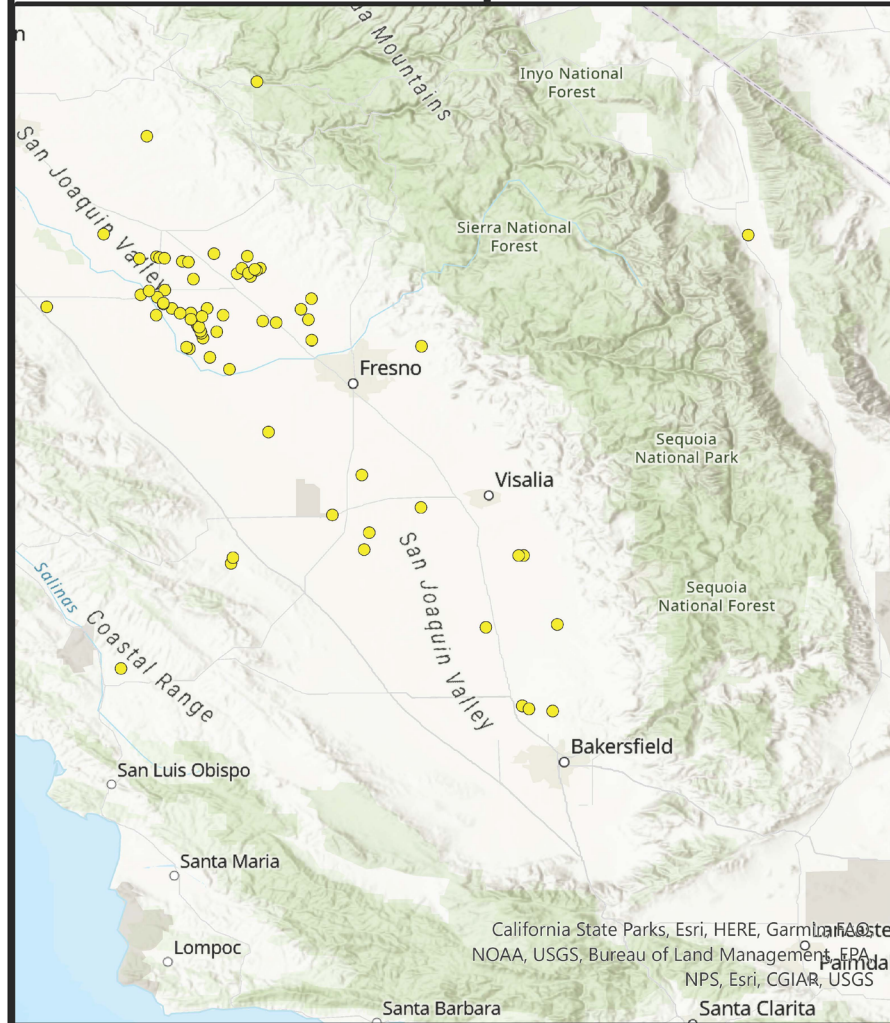
STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER RIGHTS



0 22.5 45 90 Miles

SCALE: 1:2,700,000

October 30, 2023





# Grant-Funded Approach

## **Multi-Benefit Land Repurposing (DOC)**

Stormwater Project near Fairmead  
Recharge on the Bypass

## **Prop 68 projects (DWR)**

Chowchilla Bypass Flood Diversions  
Madera Subbasin Flood Diversion



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# Takeaways

- All approaches allowed for recharge
- Contract-based approach favored those with water and land for basins
- Executive Order drive approach favored those with the “right” geography
- Grants can fill in gaps



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