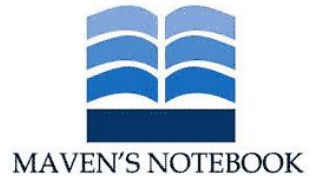


# Collaboration across IRWM and SGMA

## *Groundwater Recharge*





Resources for SGMA implementation

**GroundwaterExchange.org**

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Comprehensive *water news and information*

**MavensNotebook.com**

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Free online document archive for CA water documents

**CAWaterLibrary.net**

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Local Government Commission  
*Leaders for Livable Communities*

# Collaboration on Recharge Across IRWM and SGMA



Kamyar Guivetchi

*P.E. Manager Division of Planning & Local Assistance  
Department of Water Resources*



Local Government Commission  
*Leaders for Livable Communities*

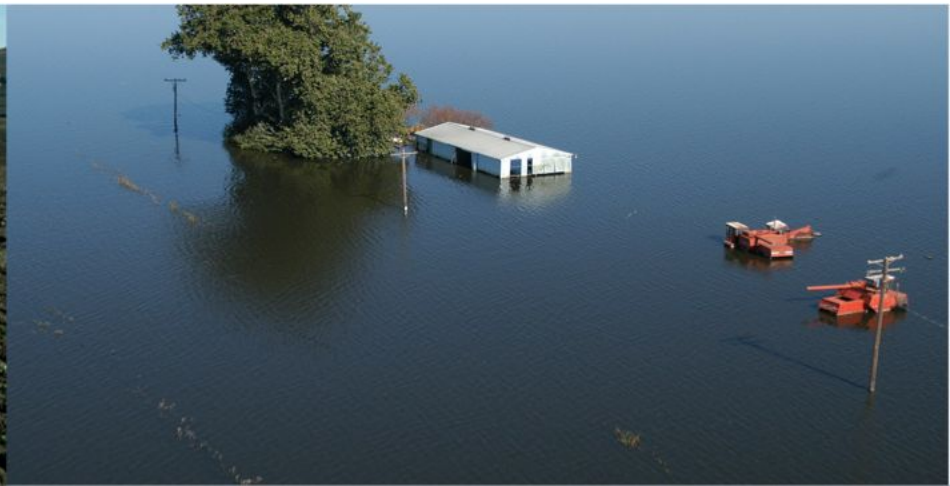
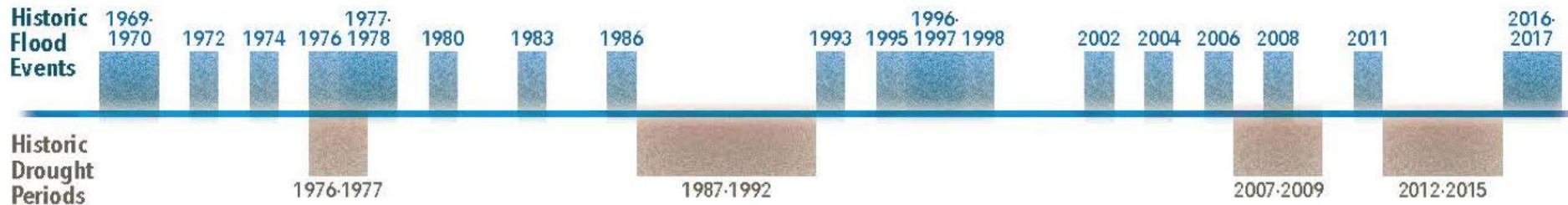


# **Collaborating Across IRWM & SGMA for Groundwater Recharge**

Summer Solstice 2021

# California's Water Management

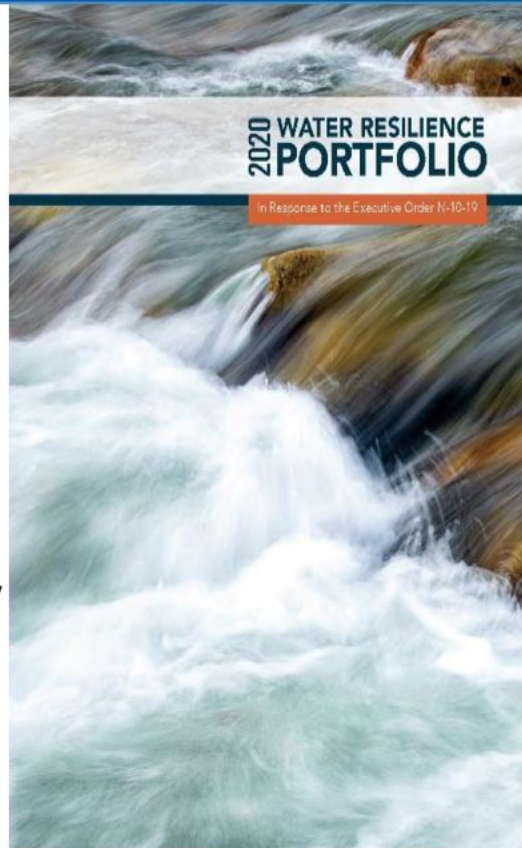
## A Tale of Extremes



# Newsom Administration's Water Resilience Portfolio

## Advancing Regional Networks With State Support

- ❖ **Maintain & Diversify Water Supplies**
  - ✓ Diversify regional supplies to strengthen water security
- ❖ **Protect & Enhance Natural Systems**
  - ✓ Restore environmental health to sustain fish & wildlife
  - ✓ More adaptive & holistic environmental management
- ❖ **Build Connections**
  - ✓ Improve physical infrastructure to store, move & share water
  - ✓ Integrate water management with shared science, data & technology
- ❖ **Be Prepared**
  - ✓ Respond to flashier floods, deeper droughts & hotter temperatures



# Regional Resilience Requires Big Collaboration, Agency Alignment & Sector Co-Management

## Integrated Watershed Management

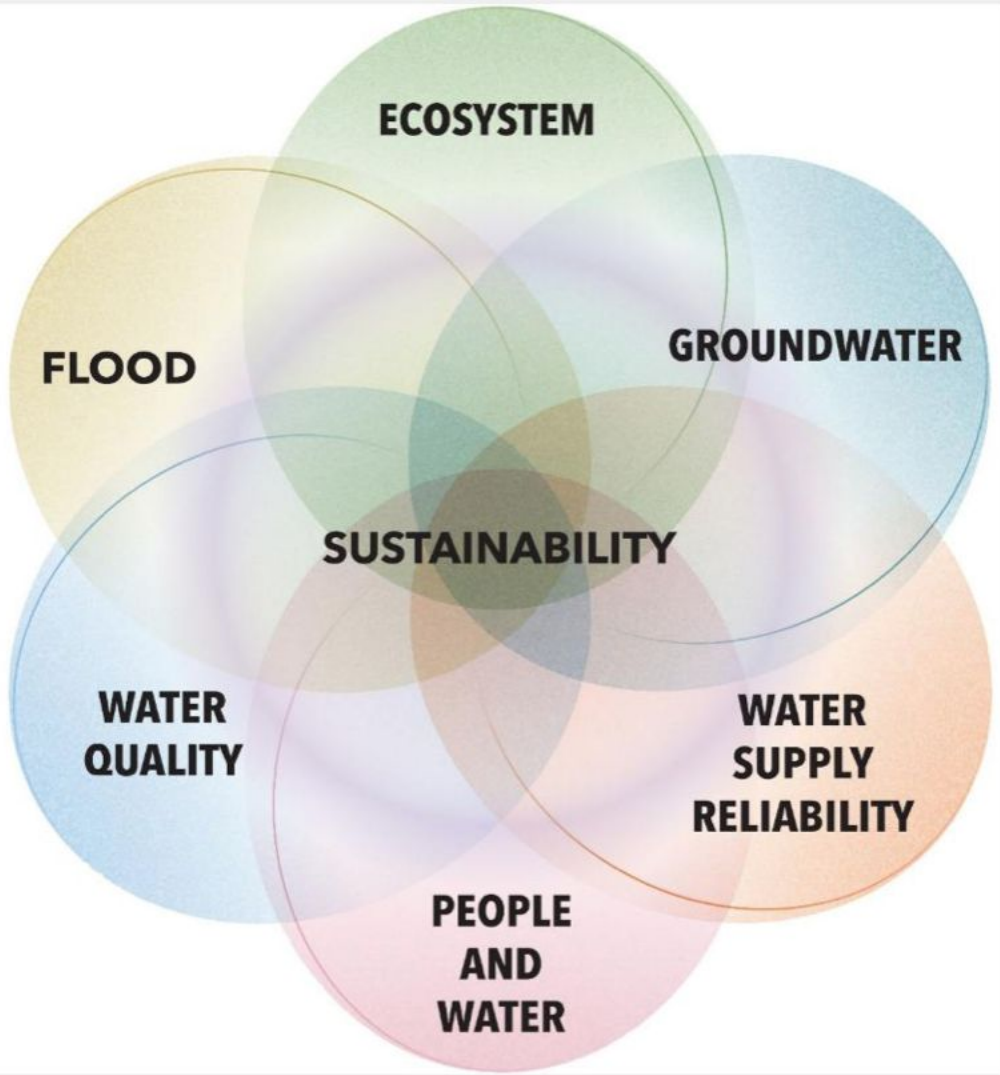


Multi-Sector Collaboration

Multi-Discipline Planning

Multi-Benefit Projects

Multi-Fund Investments

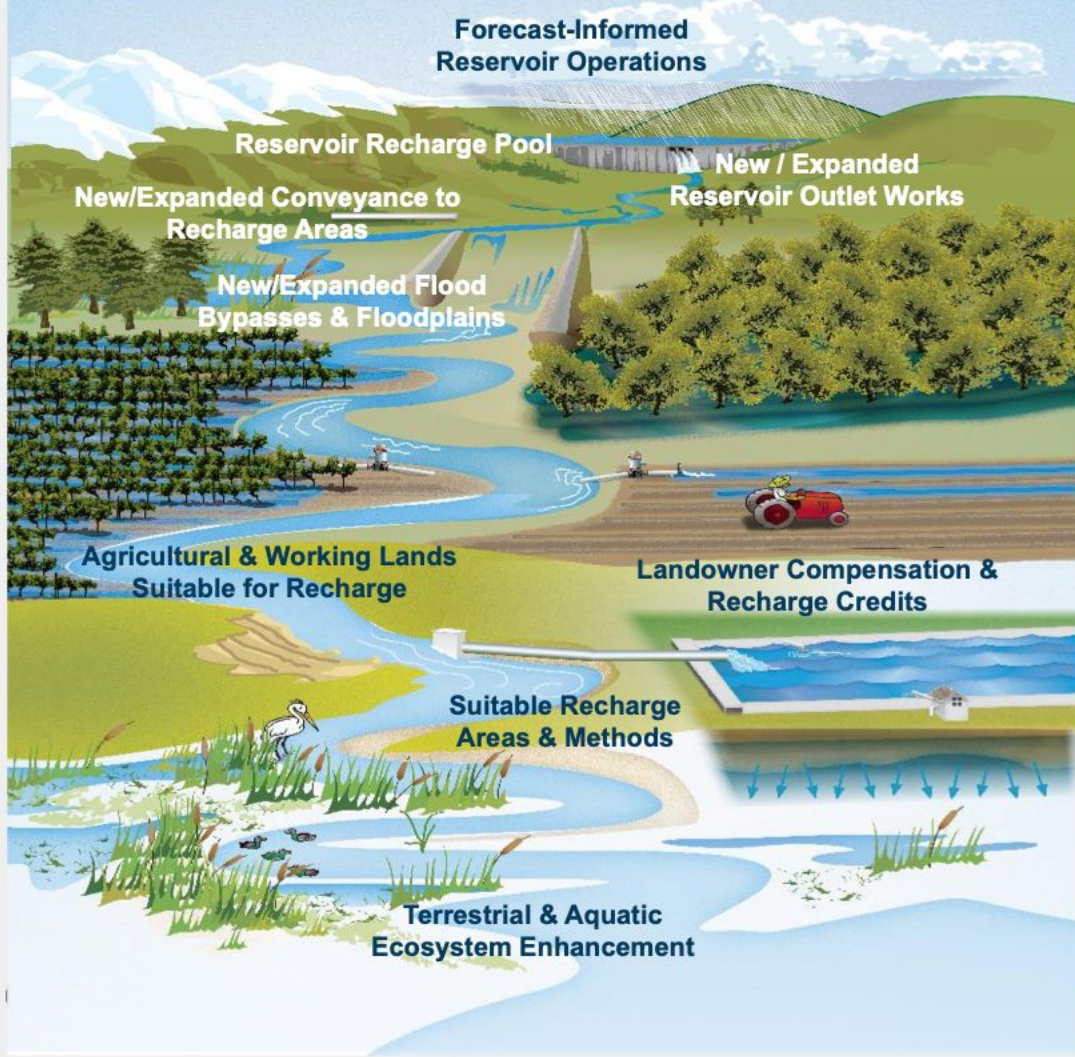


# Flood-MAR Epitomizes IWM

- Voluntary participation (PPP)
- Multi-sector
- Scalable
- Multi-faceted
- Untapped part of California's water portfolio







# Flood-MAR

## A Headwater to Groundwater Strategy

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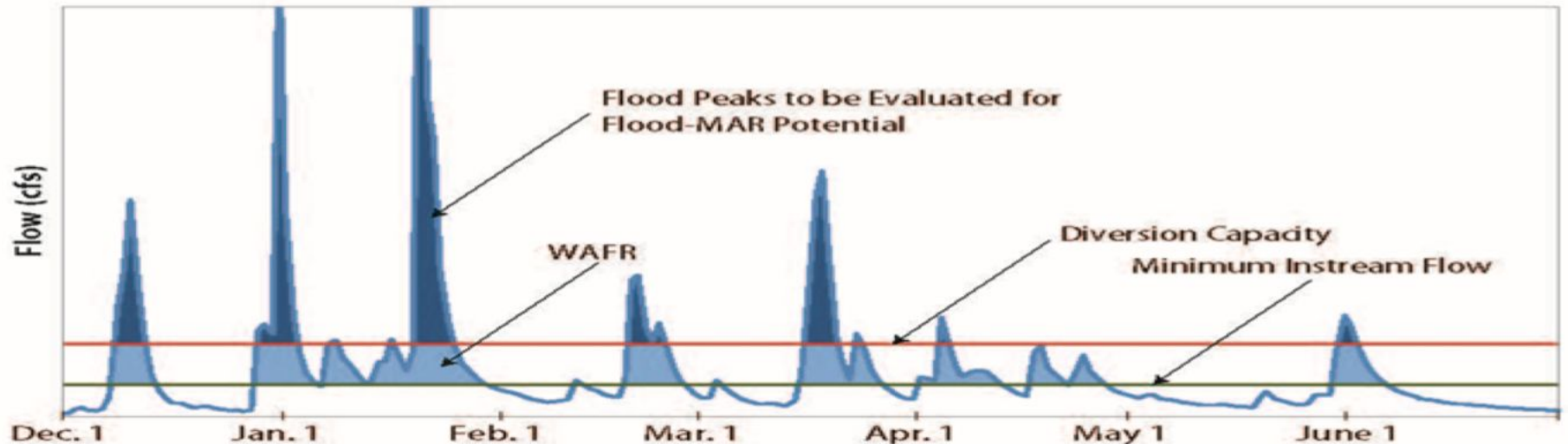
Requires Big Collaboration,  
Agency Alignment &  
Sector Co-Management

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Example  
Projects & Activities

# On the Record: State Recommends Flood-MAR

- 2017 CV Flood Protection Plan Update (Aug. 2017)
- System Reoperation Study Phase 3 Report (Aug. 2017)
- State Board of Food & Agriculture letter (May 2018)
- Final CA Water Plan Update 2018 (July 2019)
- Final Water Resilience Portfolio (July 2020)



# How State Can Increase & Fast-Track Flood-MAR Projects

- Recognize aquifers as natural infrastructure
- Protect prime recharge areas
- Create fiscal and regulatory incentives for aquifer recharge & replenishment projects
- Promote watershed networks to build capacity for implementing multi-sector, multi-benefit projects



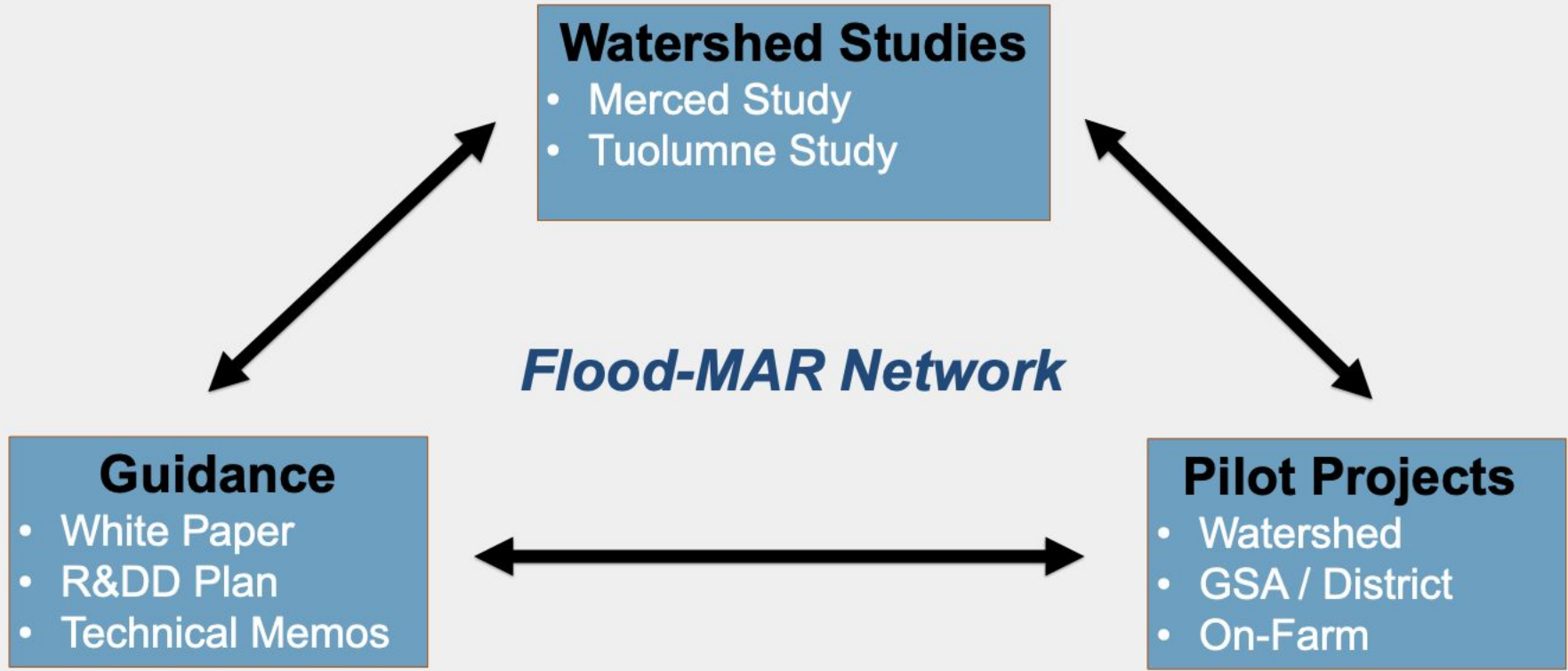
# 2019 Flood-MAR Forum

## Moving from Concept to Implementation

1. Create partnerships & opportunities for collaboration
2. Increase agency cooperation & alignment
3. Increase flexibility for water managers
4. Design pilot projects & research studies to fill data gaps
5. Increase technical support & streamline funding for landowners & local agencies



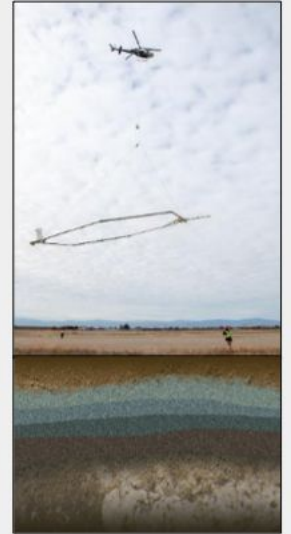
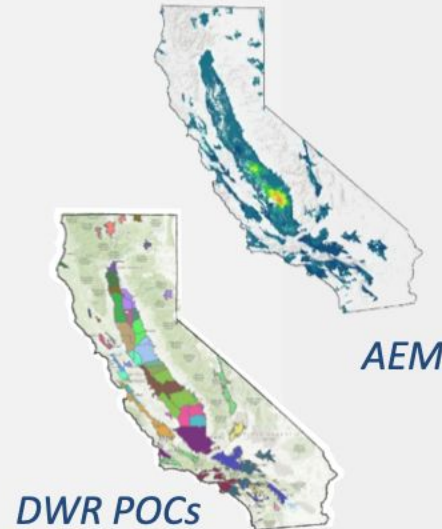
# Flood-MAR Activities at DWR



# DWR's SGMA Assistance Over Next 4 Years

***Another ~\$200M in assistance continually refined to respond to local needs:***

- Planning Assistance (~\$8 million)
  - Basin POCs
  - Facilitation Support
  - Written Translation Services
- Technical Assistance (~\$90 million)
  - Technical Support Services
  - Data and Tools
- Financial Assistance (~\$100 million)
  - SGM Implementation Grant Program



# DWR & SWRCB Financial Assistance Programs

- Prop 1 SGM Planning Grants (Completed) – DWR
- Prop 1 IRWM Implementation Grants – DWR
  - Round 2 – \$ 180 million in 2022
- Prop 68 SGM Implementation Grants – DWR
  - Round 1 – \$26 million by summer 2021
  - Round 2 – \$62 million in 2022
- Prop 68 GW Remediation Grants (Completed) – SWRCB
- Prop 1 GW Grants – SWRCB
  - Rounds 1 & 2 (completed) – ~ \$470 million
  - Round 3 – ~\$175 million with solicitation in summer 2021

DWR Grants – [www.water.ca.gov/work-with-us/grants-and-loans](http://www.water.ca.gov/work-with-us/grants-and-loans)

SWRCB Grants – [www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans](http://www.waterboards.ca.gov/water_issues/programs/grants_loans)

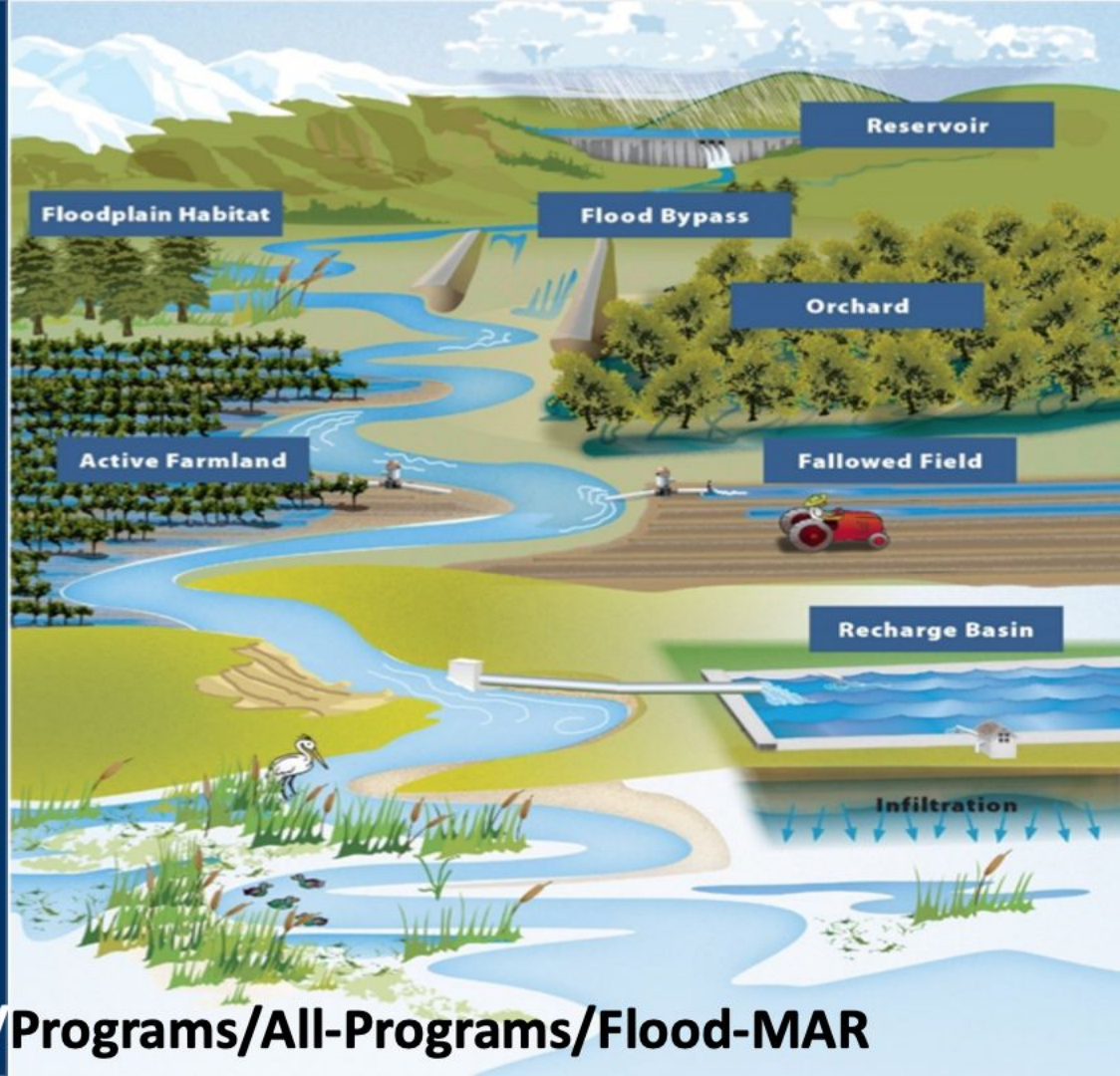
State Library Grants Portal – [www.grants.ca.gov](http://www.grants.ca.gov)

# For More Information

Kamyar Guivetchi  
DWR Division of Planning  
CA Dept. of Water Resources

FloodMAR@water.ca.gov

[www.water.ca.gov/Programs/All-Programs/Flood-MAR](http://www.water.ca.gov/Programs/All-Programs/Flood-MAR)





# Today's Panelists



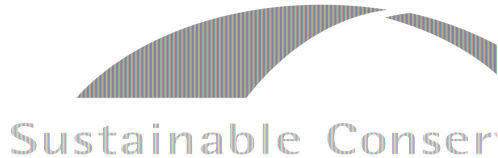
**Daniel Mountjoy**  
*Director of Resource  
Stewardship Sustainable  
Conservation*



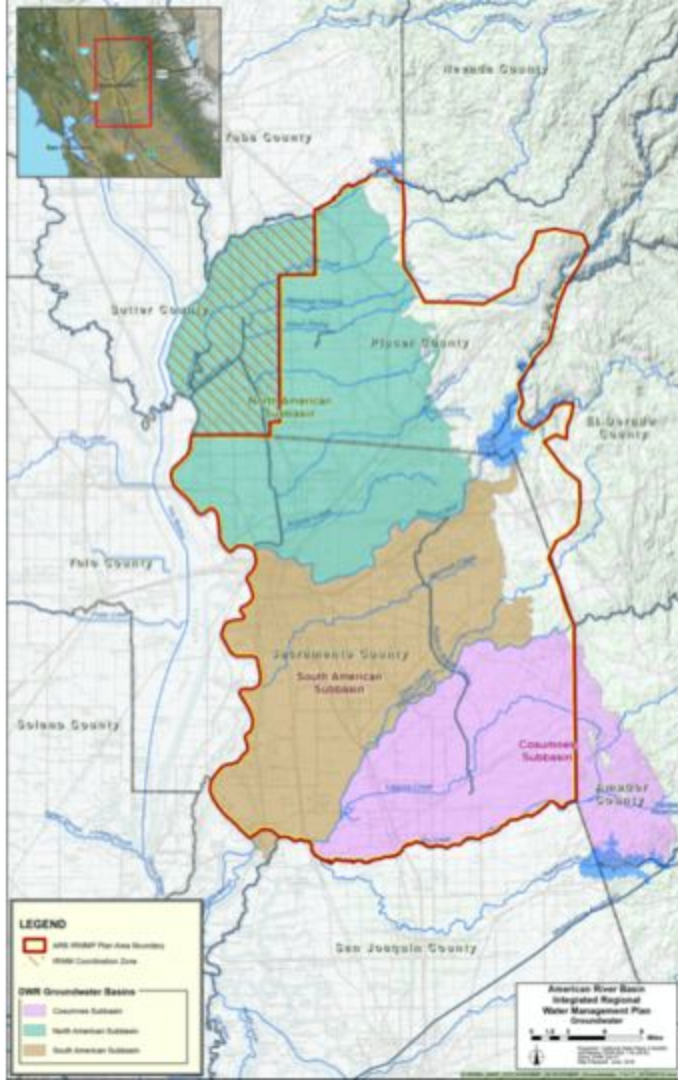
**Robert Swartz**  
*Manager of Technical Services,  
Regional Water Authority and  
American River Basin IRWM*



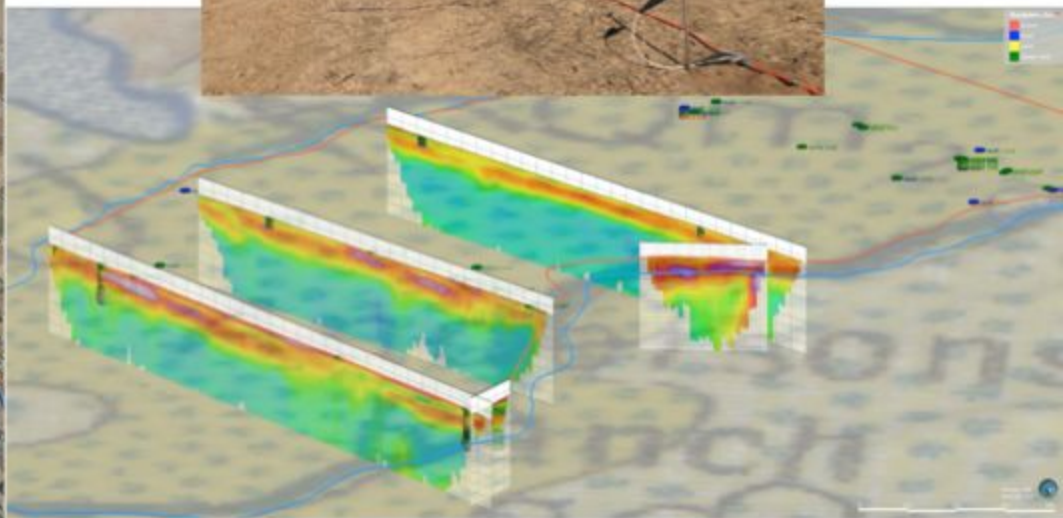
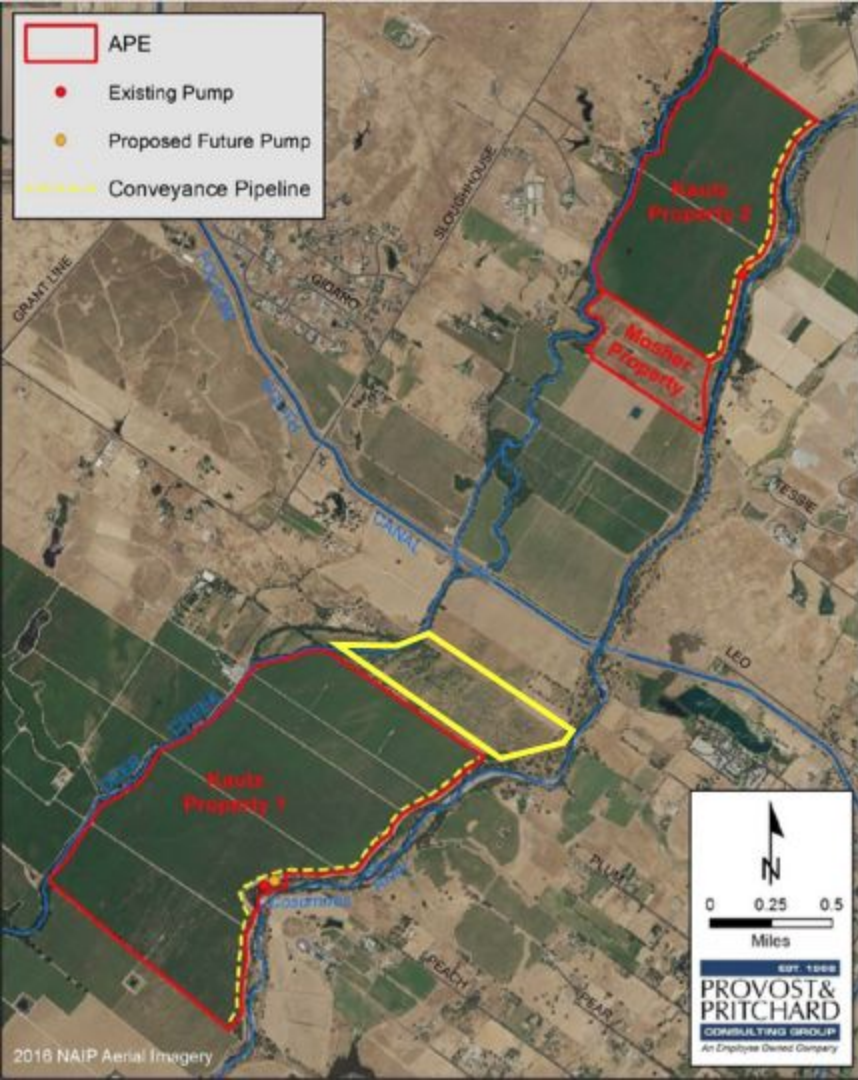
**Michael Brinton**  
*Roadside Drainage and  
Stormwater Program Engineer  
Stanislaus County*



# American River Basin







# Dry Creek Recharge Project



## Legend

- Watershed Boundary
- Lake
- Major Road
- Roads
- Railroad
- River



Figure A-1. Dry Creek Watershed Boundary