

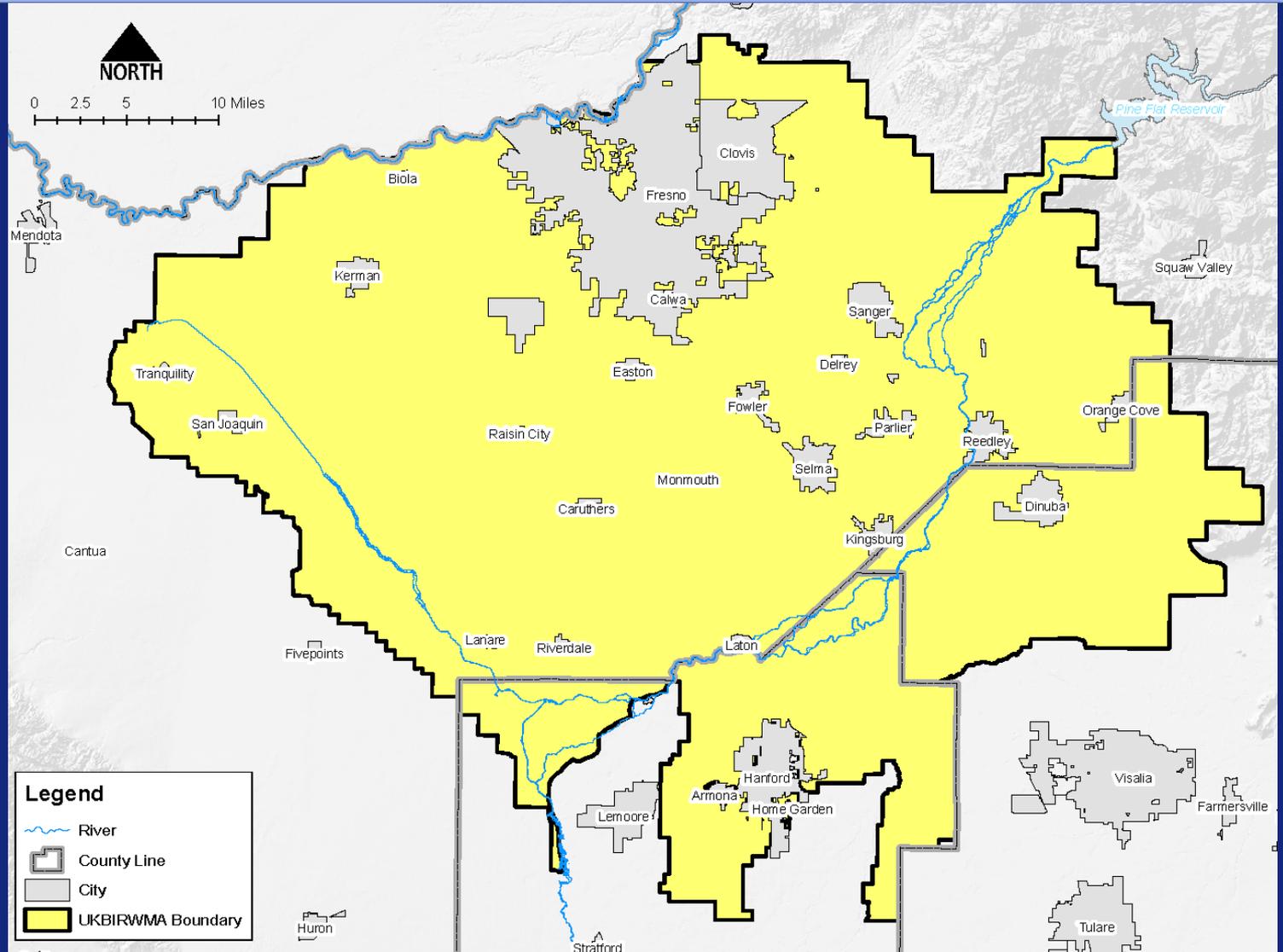
# Kings Basin Successes and Challenges

David Orth  
Kings River Conservation District

# Kings Basin Characteristics

- Part of the Tulare Lake Hydrologic Region
  - 10.9 million acres
  - 12 distinct Basins/7 sub-basins
- Kings Groundwater Basin
  - 976,000 acres
  - 93 MAF of storage to 1,000 ft (2003 Bulletin 118)
  - Estimated Overdraft of 100,000 to 150,000 AF/year
  - Drinking Water Quality issues - Nitrates

# Kings Basin Water Authority



# Current Regional Programs

- Upper Kings Basin Integrated Regional Water Management Plan (IRWMP)
- Kings Basin Coordinated Groundwater Management Group
- California Statewide Groundwater Elevation Monitoring (CASGEM)
- Irrigated Lands Regulatory Program (ILRP)
- NRCS Agricultural Water Enhancement Program

# Kings Basin Water Authority Planning Participation

## **MEMBERS** (17)

Alta Irrigation District  
City of Clovis  
City of Dinuba  
City of Fresno  
City of Kerman  
City of Kingsburg  
City of Parlier  
City of Reedley  
City of Sanger  
City of Selma  
County of Fresno  
County of Tulare  
Consolidated Irrigation District  
Fresno County Metro. Flood Control.  
Fresno Irrigation District  
Kings County Water District  
Kings River Conservation District

## **INTERESTED PARTIES** (37)

Bakman Water Company  
Biola Community Services District  
California Native Plant Society, Sequoia Chapter  
City of San Joaquin  
California State University, Fresno  
Community Water Center  
County of Kings  
Crescent Canal Company  
Cutler Public Utilities District  
Easton Community Services District  
East Orosi Community Services District  
El Rio Reyes Conservation Trust  
Fresno County Farm Bureau  
Hardwick Water Company  
James Irrigation District  
Kings River Conservancy  
Kings River Water Association  
Laguna Irrigation District  
Laton Community Service District  
Liberty Canal Company  
Liberty Water District  
London Community Services District  
Mid-Valley Water District  
Orange Cove Irrigation District  
Orosi Public Utilities District  
Raisin City Water District  
Reed Ditch Company

Riverdale Irrigation District  
Riverdale Public Utility District  
Sanger Environmental Fund  
Self-Help Enterprises  
Sierra Club, Tehipite Chapter  
Sierra Resource Conservation District  
Sultana Community Services District  
Terranova Ranch, Inc.  
Tulare Basin Wildlife Partners  
UC Cooperative Extension - Fresno

## **OTHER PARTICIPATION**

CA Department of Fish & Game  
CA Department of Water Resources  
California Water Institute (CSUF)  
Center for Collaborative Policy  
Fresno Audubon Society  
Kings River Fisheries Program  
Regional Water Quality Control Board  
Sierra Nevada Research Institute (UCM)  
State Water Resources Control Board

# Kings Basin IRWMP

- Developed to improve coordination and collaboration on regional water management in the Kings Basin.
- Originally prepared in 2007
- Updated and adopted by Water Authority Board on October 17, 2012 to satisfy new State standards for IRWMPs.

# Kings Basin IRWM Report Card

## Recent Project Funding Successes

<b>Project Title</b>	<b>Program</b>	<b>Agency</b>	<b>Type</b>	<b>Grant Amount</b>
UKBWF IRWMP	Prop 50 IRWM Planning Grant	DWR	Planning	\$500,000
Kings IGSM	Prop 50 IRWM Services Contract	DWR	Modeling, Planning	\$500,000
FID Waldron Pond Groundwater Banking Facility	Prop 13 IRWM Grant	DWR	Construction	\$4,615,072
AID/City of Dinuba Coordinated GW Storage Project	Prop 13 IRWM Grant	DWR	Construction	\$2,974,651
UKBWF IRWMP Implementation 1 (FID, City of Fresno, AID)	Prop 50 Round 2 IRWM Implementation Grant	SWRCB	Construction	\$6,064,375
UKBIRWMA IRWMP Implementation 2 (FID & City of Fresno)	Prop 50 Supplemental Round (Mini 50) Grant	DWR	Construction	\$2,099,868
KRC Kings Ribbon of Gems Implementation North Riverside Park	Prop 84 Round 1 River Parkways Grant	Resources Agency	Construction	\$284,674
UKBIRWMA DAC Outreach and Planning Project	Prop 84 IRWM Services Contract	DWR	Planning	\$500,000
UKBIRWMA IRWMP Update	Prop 84 IRWM Round 1 Planning Grant	DWR	Planning	\$236,890
UKBIRWMA IRWMP Implementation 2 (City of Fresno, Co. of Fresno, East Oroquieta CSD, CID, City of Clovis)	Prop 84 IRWM Round 1 Implementation Grant	DWR	Construction, Planning	\$8,496,000
Fancher Creek Flood Control Improvement Project (FMFCD, City of Fresno)	Prop 1E Round 1 IRWM Stormwater Flood Management Grant	DWR	Construction	\$2,231,086
McMullin On-Farm Flood Capture and Recharge Project	Prop 1E Round 1 Flood Corridor Grant	DWR	Construction, Planning	\$5,000,000

**Cumulative Grant Funding = ~\$33,000,000**  
**Cumulative Cost of Projects = ~\$60,000,000**

# Successes, Challenges, Opportunities

- Regional Collaboration – vision, priorities
- Funding - how do we sustain successes?
- Clear Definition of Right to Recharge
- Alignment of Regulatory (ILRP, CV Salts) with Planning and Implementation (IRWM)