

**United States Committee
on Irrigation & Drainage
2024 Conference**



USCID

***Implementing Sustainable
Water Management to Balance Water
Supply and Demand:
Challenges, Opportunities and Solutions***

**October 1-4, 2024
Holiday Inn Sacramento
Sacramento, California**

2024 USCID CONFERENCE SCHEDULE OF EVENTS

TUESDAY, OCTOBER 1

- 7:00am** CONTINENTAL BREAKFAST (tour participants only)
- 7:30am-11:30am** **FIELD TOUR (separate registration required)**
Solano Irrigation District, Vacaville, California. Presentation with Solano Irrigation District representatives, followed by a bus tour visiting key areas of the district with modernized and conventional flow regulations and control structures.
- 12noon-1:15pm** **OPENING LUNCH WITH SPEAKER Sponsored by Provost & Pritchard Consulting Group**
*Introduction by Therese Stix, USCID President, Schroeder Law Offices, PC
Karl Stock, Regional Director, Bureau of Reclamation, California Great Basin Region*
- 1:30pm-3:00pm** **OPENING SESSION Moderated by Randy Hopkins, Provost & Pritchard Consulting Group**
- California Irrigation Districts: Panel Presentation**
*Allison Febbo, Westlands Water District
Jarrett Martin, Central California Irrigation District
Jeffrey Sutton, Glenn-Colusa Irrigation District*
- California's Attempts to Find a Balance Between Fish, Feathers, Folks and Farms through the Sustainable Groundwater Management Act (SGMA)**
Jeffrey C. Davids, Davids Engineering, Inc. et al
- 3:00pm-3:30pm** **BREAK Sponsored by Rubicon Water**
- 3:30pm-4:30pm** **OPENING SESSION (continued) Moderated by Eduardo Bautista, USDA-ARS (retired)**
- Arvin-Edison Water Storage District's SGMA 2.0 Program; Addressing Water Supply Sustainability for a Second Time Under California's Sustainable Groundwater Management Act**
Randy Hopkins, Provost & Pritchard Consulting Group, et al
- Opportunities at the Intersection of Farmland & Water Markets**
Brett Bovee, P.E., WestWater Research LLC
- 4:30pm-4:45pm** **USCID UPDATE/USCID ANNUAL MEETING**
Therese Stix, USCID President, Schroeder Law Offices, PC
- 4:45pm-5:15pm** **MEET THE EXHIBITORS**
- 5:30pm-7:30pm** **WELCOME RECEPTION WITH EXHIBITORS Sponsored by Davids Engineering, Inc.**

WEDNESDAY, OCTOBER 2

- 7:30am-8:30am** **CONTINENTAL BREAKFAST WITH EXHIBITORS Sponsored by Jacobs**
- 8:30am-10:00am** **SESSION A: DISTRICT MODERNIZATION Moderated by Amy Johnson, HDR Inc.**
- Using a Peer to Peer Control Method to Improve Irrigation Canal Delivery Performance**
Blair Stringam, New Mexico State University
- Application of Geosynthetic Cementitious Composite Mats (GCCMs) to Mitigate Water Seepage of Earthen Irrigation Canals**
Nathan Ivy, Concrete Canvas US, et al
- Water Master Planning for Sustainable Water Management within the South San Joaquin Irrigation District**
Forrest Killingsworth, P.E., South San Joaquin Irrigation District
- 10:00am-10:30am** **BREAK WITH EXHIBITORS Sponsored by GEI Consultants Inc.**
-

2024 USCID CONFERENCE

SCHEDULE OF EVENTS (PAGE 2)

10:30am-12noon **SESSION B: GROUNDWATER MANAGEMENT** *Moderated by David Bradshaw, Metropolitan Water District of Southern California*

Increasing Managed Aquifer Recharge through Forecast-Informed Reservoir Operations
Bryan Thoreson, GEI Consultants, Inc., et al

Characterizing Stream-Aquifer Exchanges with Stream Reach Water Budgets
Jeffrey C. Davids, Davids Engineering, Inc., et al

Remote Sensing Estimates of Groundwater Extraction Using GEEEO Process
Jacob Winslow, Davids Engineering, Inc., et al

12noon-1:15pm **LUNCH WITH SPEAKER** *Sponsored by MBK Engineers*
Introduction by Amy Johnson, HDR Inc.

Oroville Dam
Les Harder, PhD, P.E., GE, HDR Inc.

1:30pm-3:00pm **SESSION C: GROUNDWATER RECHARGE** *Moderated by Danny Kerns, Provost & Pritchard Consulting Group*

Kenneson-Sanchez Recharge Basin Project
Sean Smith, P.E, Provost & Pritchard Consulting Group et al

How to Have your Cake and Eat it Too: A Case Study of Recharging with Reverse Tile Drains
Mike Busby, PG EIT, Lidco Inc.

Subsurface Groundwater Recharge
Bryan Thoreson, GEI Consultants, Inc., et al

3:00pm-3:30pm **BREAK WITH EXHIBITORS** *Sponsored by GEI Consultants Inc.*

3:30pm-5:00pm **SESSION D: SUSTAINABLE WATER MANAGEMENT** *Moderated by Sara Harper, Provost & Pritchard Consulting Group*

Rising Waters, Rising Concerns: A Case Study of Sindh's Irrigation Crisis
Willem van Deursen, Carthago Consultancy, Netherlands, et al

Increasing Groundwater Recharge Capacity in Southern San Joaquin Municipal Utility District: A Case Study Highlighting Planning, Funding, Constructing and Operating Recharge Facilities within the District
Sam Schaefer, P.E., GEI Consultants, Inc., et al

Assessing Water Delivery Level of Service Needs for Irrigation System Master Planning
Jason Smesrud, P.E., Jacobs, et al

5:00pm-7:00pm **RECEPTION WITH EXHIBITORS**

THURSDAY, OCTOBER 3

7:30am-8:30am **CONTINENTAL BREAKFAST WITH EXHIBITORS** *Sponsored by HDR Inc.*

8:30am-10:00am **SESSION A: SUSTAINABLE WATER MANAGEMENT** *Moderated by Jeff Davids, Davids Engineering, Inc.*

Hydro Zones—Strategic Insight for Groundwater Overdraft
Matt Angell, Madera Pumps Inc.

Accounting for Wetlands: Improving Data and Management Tools for an Important but Understudied Water User in California
Brandon Ertis, Davids Engineering, Inc., et al

Ode to the Bureau of Reclamation's Drainage Manual
Michael J. Day, P.E., Provost & Pritchard Consulting Group

2024 USCID CONFERENCE

SCHEDULE OF EVENTS (PAGE 3)

- 10:00am-11:00am** **BREAK WITH EXHIBITORS**
- 11:00am-12noon** **SESSION B: MEASUREMENT** *Moderated by Jacob Winslow, Davids Engineering, Inc.*
- Evapotranspiration Measurements on Groundwater Recharge Using Eddy Covariance**
Luke Nydam and Daniel J. Howes, ITRC, California Polytechnic State University
- Bridging the Farm-Gate Delivery Data Gap: Fifteen Years of SBx7-7 Implementation**
Joshua G. Otto, Davids Engineering, Inc., et al
- 12noon-1:15pm** **LUNCH WITH SPEAKER** *Sponsored by Schroeder Law Offices PC in Memory of Ethel Dimick*
Introduction by Eduardo Bautista, USDA-ARS (retired)
- Appraising Inaccuracy and Errors of Estimating Orchards' Evapotranspiration (ET) with Satellite Sensing Methods**
Daniele Zaccaria, PhD, University of California Davis LAWR
- 1:30pm-3:00pm** **SESSION C: DISTRICT MODERNIZATION** *Moderated by Brian Wahlin, West Consultants*
- Orland-Artois Water District's Class II Lands Annexation Project**
Danny Kerns and Jenny Scheer, Provost & Pritchard Consulting Group, et al
- The Modern Irrigation District Responding to Growing Water Scarcity**
Peter Moller, Rubicon Water
- Waitaki Water Management**
Andrew Barton, Morven Glenavy Ikawai Irrigation Company Ltd.
- 3:00pm-3:30pm** **BREAK WITH EXHIBITORS**
- 3:30pm-5:00pm** **SESSION D: DISTRICT MODERNIZATION** *Moderated by Del Smith, Bureau of Reclamation*
- Water Rights Pathways to Authorize Diversions to Potential Flood-MAR Projects**
Sara Harper, P.E., CFM, Provost & Pritchard Consulting Group, et al
- Flood Water Diversion in Aliso Water District**
Jose A. Bejarano, EIT, and Joe Hopkins, Provost & Pritchard Consulting Group, et al
- Innovative Strategies for Sustainable Water Management at the River Basin Level**
Masood Sehar, Irrigation & Power Dept., Government of Sindh, Pakistan

FRIDAY, OCTOBER 4

- 6:45am-7:15am** **CONTINENTAL BREAKFAST (tour participants only)**
- 7:15am-3:30pm** **FIELD TOUR (separate registration required)**
Oroville Dam and Lundberg Family Farms. Please note that at the conclusion of the tour, the bus will drop participants at the Sacramento airport or the Holiday Inn Downtown. Airport drop off will be approximately 3:00pm; hotel drop off will be approximately 3:30pm. PLEASE NOTE THAT LONG PANTS AND CLOSED TOE SHOES ARE REQUIRED FOR PARTICIPATION.
-