



Cooperative Extension, University of California

Water & Land Resource Manager

TEHAMA, GLENN, COLUSA, AND SHASTA COUNTIES
1754 WALNUT STREET, RED BLUFF, CA 96080
(530)-527-3101

November, 2009



MEETING ANNOUNCEMENT

2009 Water Education Symposium

WHEN: Wednesday, December 9, 2009
Time: 8:30 a.m. to 3:00 p.m.
Location: Carlino's Event Center—Rolling Hills Casino
2655 Barham Ave, Corning, CA 96021

*You are cordially invited to participate in discussions on **Water Resource Management in Tehama County and the Surrounding Northern Sacramento Valley Area**. This educational event is co-sponsored by the University of California Cooperative Extension in Tehama County, the Tehama County Flood Control and Water Conservation District, and Brown and Caldwell Environmental Engineers and Consultants. Information will be presented on broader water issues that affect northern Sacramento Valley water users as well as local efforts to manage and protect our water resources.*

A program itinerary and registration form are provided in this announcement.

Allan Fulton

UC Irrigation/Water Resource Advisor, Tehama, Glenn, Colusa, and Shasta Counties



Discussions of Water Resource Management in Tehama County and the Surrounding Northern Sacramento Valley Area

Program Schedule

8:30 to 9:00 a.m. Sign-In and pick up lunch tickets

9:00 to 9:10 a.m. WELCOME, Moderator: Allan Fulton, UC Cooperative Extension

Perspectives on Statewide Water Resource Management Efforts

9:10 to 9:40 Sacramento/San Joaquin Bay Delta Management Alternatives, Jay Lund, *Professor Department of Land, Air, and Water Resources, University of California - Davis*

9:40 – 10:10 Adapting to Water Shortages in California, David Sunding, *Professor and Cooperative Extension Specialist, Department of Agriculture and Resource Economics, University of California - Berkeley*

10:10 – 10:25 — QUESTIONS —

Update on Northern Sacramento Valley Water Management Efforts

10:25 – 10:50 Groundwater Conditions in the Northern Sacramento Valley, Kelly Staton, *Groundwater Section, Department of Water Resources, Northern District - Red Bluff*

10:50 – 11:15 Status of Integrated Regional Water Management Planning in the Northern Sacramento Valley, Vickie Newlin, *Butte County Department of Water and Resource Conservation - Oroville*

11:15 - 11:30 — QUESTIONS —

11:30 – 12:45p.m. LUNCH BUFFET and PRESENTATION

Status of New Surface Water Storage, Sean Sou, *Department of Water Resources, Sacramento*, and David Bogener, *Department of Water Resources, Northern District - Red Bluff*

Water Resource Investigations and Projects in the Northern Sacramento Valley

12:45 – 1:05 Lower Tuscan Scientific Investigation Planned for Butte, Tehama and Glenn Counties, Paul Gosselin, *Director of Department of Water and Resource Conservation—Oroville*

1:05 – 1:25 Stony Creek Fan Aquifer Performance Testing, Thad Bettner, *General Manager, Glenn Colusa Irrigation District*,

1:25 – 1:45 Flow Enhancement Programs for Deer and Mill Creeks of Tehama County, Bill Ehorn, *California Department of Water Resources, Northern District—Red Bluff*

1:45 – 2:05 Opportunities for Groundwater Recharge in Tehama County, John Ayres, *Consultant to the Tehama County Flood Control and Water Conservation District, Brown and Caldwell*.

2:05 – 2:25 — QUESTIONS —

Water Quality and Irrigated Agriculture

2:25 – 2:50 Update on the Irrigated Lands Regulatory Program, Susan Fregien, *Central Valley Regional Water Quality Control Board, Rancho Cordova*

2:50—3:00 p.m. QUESTIONS, DISCUSSION, AND WRAP-UP

MORE ABOUT THE SPEAKERS

Jay Lund, *Professor for Department of Land, Air, and Water Resources, University of California - Davis*

Jay Lund is the Ray B. Krone Professor of Environmental Engineering and the Director of the Center for Watershed Sciences at the University of California Davis. Professor Lund's research interests include large-scale regional water systems that provide much of California's and the world's water supply, flood control, and hydropower, and have major effects on the environment and recreation. His research has involved several studies in large-scale optimization for water supply, flood control, and conflict resolution among multiple purposes. Practical and theoretical aspects of this problem are of interest. Combining theory with applied policy is especially interesting. In 2007, Professor Lund and others published the book Envisioning Futures for the Sacramento-San Joaquin Delta with the Public Policy Institute of California and in 2010 will be publishing a second book with UC Press, Comparing Futures for the Sacramento-San Joaquin Delta. Professor Lund will discuss management alternatives for the Delta and their significance to the Sacramento Valley.

David Sunding, *Professor and Cooperative Extension Specialist, Department of Agriculture and Resource Economics, University of California - Berkeley*

David Sunding is the Thomas J. Graff Professor of Natural Resource Economics at UC Berkeley, where he also directs the Berkeley Water Center. He has studied and written extensively in the fields of water resources, land use and environmental regulation. Prof. Sunding teaches courses in natural resource economics, environmental policy, and law and economics. Prof. Sunding is also a founder and director of Berkeley Economic Consulting, Inc., an independent economic research firm. Prior to his current position, Prof. Sunding served as a senior economist on President Clinton's Council of Economic Advisers. He will discuss how Californians are adapting to re-occurring water shortages in the state.

Kelly Staton, *Groundwater Section, Department of Water Resources, Northern District - Red Bluff*

Kelly Staton is one of the senior staff in the Groundwater Section with the California Department of Water Resources, Northern District in Red Bluff. She is a Certified Hydrogeologist in California. For many years, Kelly has worked with water users in the northern Sacramento Valley and has been involved in the collection and analysis of geologic and hydrologic data to help understand and manage groundwater resources. Kelly will discuss current groundwater conditions in Tehama County and the surrounding area in light of the ongoing drought.

Vickie Newlin, *Butte County Department of Water and Resource Conservation - Oroville*

Vickie Newlin began her Butte County career in water and resources in 1997 by working for the Water Division of the Butte County Agricultural Commissioner. In 1999, this Division evolved into a separate Butte County Department of Water and Resource Conservation where Vickie currently serves as the Assistant Director. In this capacity, she has helped to coordinate resource agency interaction with local stakeholders in Butte County and throughout the northern Sacramento Valley. She earned both her Bachelor and Master degrees in Public Administration from California State University, Chico, as well as a Paralegal Certificate. Vickie will discuss long-term planning efforts that are underway to coordinate water resource management in the northern Sacramento Valley.

MORE ABOUT THE SPEAKERS.....continued.....

Sean Sou & David Bogener,

Sean Sou is a Supervising Engineer in the Sacramento Office of the California Department of Water Resources. He is the Chief of the Operations Assessment Section under the Statewide Infrastructure Investigations Branch and the Division of Statewide Integrated Water Management. Dave Bogener is a staff Environmental Scientist with the Department of Water Resources, Northern District in Red Bluff. Dave works in the Permits and Compliance Unit under the Resource Assessment Branch. Sean and Dave will provide a joint presentation on the Status of New Surface Water Storage in the northern Sacramento Valley and California.

Paul Gosselin, *Director of Butte County Department of Water and Resource Conservation - Oroville*

Paul Gosselin joined Butte County as Director of Water and Resource Conservation in November 2007. Prior to joining Butte County, Paul was Chief Deputy Director for the California Department of Pesticide Regulation. From 1993 to 1999 he was an Assistant Director for the California Department of Pesticide Regulation. From 1989 to 1993, Paul was the Director of Regulatory Services for the Massachusetts Department of Food and Agriculture. He received a bachelors' degree in biochemistry and a masters' degree in chemistry from the University of Massachusetts. Paul will discuss the Lower Tuscan aquifer scientific investigation that is planned for the Butte, Tehama and Glenn Counties.

Thad Bettner, *General Manager, Glenn-Colusa Irrigation District,*

Thad Bettner is the General Manager for the Glenn Colusa Irrigation District (GCID). He works under the direction of a Board of Directors who own land within the district. GCID encompasses 175,000 acres of land from Hamilton City to south of Williams on the west side of the Sacramento River. The District serves more than 1000 landowners, over 1500 parcels of land, including three federal wildlife refuges. GCID's roots began in 1883 when Will S. Green posted one of the earliest water rights on the Sacramento River for diversions of water for use within Glenn and Colusa Counties. Since then, GCID has actively been diverting water from the Sacramento River and irrigating nearly 130,000 acres of farmland with over thirty different crops. In 2001, GCID joined with the Orland-Artois Water District and the Orland Unit Water Users Association to form the Stony Creek Fan Partnership. Thad will provide an update on the Stony Creek Fan Aquifer Performance Testing undertaken by the partnership in August 2007.

Bill Ehorn, *California Department of Water Resources, Northern District—Red Bluff*

Bill Ehorn is an associate staff member in the Groundwater Section of the California Department of Water Resources, Northern District in Red Bluff. He has a Bachelors degree in geology and a Masters degree in hydrogeology. Bill is a Certified Hydrogeologist in California and a California Professional Geologist. As a staff member of DWR Northern District, he provides technical assistance to the Deer Creek Irrigation District and the Los Molinos Mutual Water Company in eastern Tehama County. Bill will provide an update on Flow Enhancement Programs for Deer and Mill Creeks in Tehama County.

John Ayres, *Consultant to the Tehama County Flood Control and Water Conservation District, Brown and Caldwell.*

John Ayres is a consulting hydrogeologist with Brown and Caldwell in Sacramento. John was raised in Redding, studied geology at Chico State, and interned with the Department of Water Resources, Northern District in Red Bluff. He has periodically consulted with the Tehama County Flood Control and Water Conservation District for over 6 years. In 2007 and 2008, he reviewed historic groundwater level data from about 190 groundwater monitoring wells in Tehama County with records dating as far back as the 1940's. From this effort he helped Tehama County proceed with implementation of groundwater Trigger Levels, a component of Tehama County's AB 3030 Coordinated Groundwater Management Plan which was adopted in 1998. John continues to provide technical support to Tehama County in 2009. Building upon his most recent efforts, John will discuss opportunities for groundwater recharge in Tehama County.

Susan Fregien, *Central Valley Regional Water Quality Control Board, Rancho Cordova*

Susan Fregien is a staff member with the Central Valley Regional Water Quality Control Board and part of the Monitoring and Implementation Unit for the Irrigated Lands Regulatory Program. She works closely with the individual sub-watersheds that make up the larger Sacramento Valley Water Quality Coalition in regard to water quality monitoring and management practices to enhance water quality. Susan will provide an update on the current status and future direction of the Irrigated Lands Regulatory Program.

This Meeting is being Co-Sponsored by:

University of California Cooperative Extension -Tehama County,
Tehama County Flood Control & Water Conservation District,
Brown & Caldwell Environmental & Engineering Consultants.

“ENTRANCE INTO CARLINO’S EVENT CENTER”

Parking is most convenient along the **south side** of the parking lot. Signs and a registration table will be *outside (weather permitting)* in front of the entry into the meeting room.

DRIVING DIRECTIONS to ROLLING HILLS CASINO

The Rolling Hills Casino is located along I-5 at Corning.

—If traveling on Interstate 5 towards Corning, take the Liberal Avenue exit #628 off the freeway and turn west onto Liberal Ave, take an immediate left into Barham — the Rolling Hills Entrance access road. Rolling Hills lies along I-5 to the west side.

— If traveling on State Highway 99 East, take the South Avenue exit A9 (to Corning) and travel west for 10 miles. Take either I-5 or Hwy 99-W heading southbound. Exit onto Liberal Avenue. Take an immediate left onto Barham Avenue to Rolling Hills Casino - located along I-5 in Corning.

UPCOMING MEETING ANNOUNCEMENTS



Tehama County Private Applicators Continued Education Trainings

November 19, 2009 9-11 AM

or

December 10, 2009 9-11 AM

Location: Wetter Hall—1740 Walnut Street - Red Bluff, CA

For more information contact the Tehama County Ag Commissioner 's Office 527-4504

Tehama Walnut Day



January 29, 2010

Red Bluff Elks Lodge — 355 Gilmore Road, Red Bluff, CA

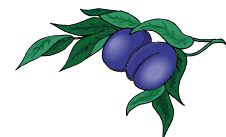
Registrations due by January 22, 2009

Watch for the upcoming Meeting Announcement

For more information contact: Tehama County Cooperative Extension Office 527-3101



Tehama Prune Day



February 5, 2010

Red Bluff Elks Lodge — 355 Gilmore Road, Red Bluff, CA

Registrations due by January 29, 2009

Watch for the upcoming Meeting Announcement

For more information contact: Tehama County Cooperative Extension Office 527-3101

2009 Water Symposium Registration Form

Registration must be received by Monday - November 30, 2009

SEATING CAPACITY IS LIMITED

Please detach and mail this form with a check payable to **“UC Regents”**

-or- Register On-Line at: ceteama.ucdavis.edu –click on “Calendar” tab – click on “09 Dec 09” meeting — click on “On-Line Registration Water Education Symposium”

Cost: **\$15.00 per person** - (includes lunch)

Mail To: **UC Cooperative Extension
Water Education Symposium
1754 Walnut Street
Red Bluff, CA 96080**

Name: _____ Company: _____

Address: _____ City, State, Zip: _____

Day Phone: _____ Amount Enclosed: \$ _____

If reservation is for more than one person, please list names of others attending:

_____	_____
_____	_____
_____	_____

For questions or more information contact:
Allan Fulton or Cindy McClain

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Meeting Announcement

2009 Water Education Symposium

Wednesday December 9, 2009

Carlino's Event Center, Rolling Hills Casino—Corning, CA

Cooperative Extension, University of California

Water & Land Resource Manager Newsletter

TEHAMA, GLENN, COLUSA, AND SHASTA COUNTIES

Allan Fulton

UC Farm Advisor

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Cooperative Extension Work in Agriculture and Home Economics, U.S. Department of Agriculture, University of California, and County of Tehama Cooperating.

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