



**Cooperative Extension, University of California**

TEHAMA COUNTY  
1754 WALNUT ST, RED BLUFF, CA 96080  
(530)-527-3101

March 2009



## **MEETING ANNOUNCEMENT**

### **“EFFORTS AND CHALLENGES TO MANAGE GLENN AND COLUSA COUNTY’S WATER RESOURCES”**

**WHEN:** Wednesday, April 1, 2009  
**Time:** 8:00 a.m. to 12:00 Noon  
**Location:** Maxwell Restaurant and Inn  
81 Oak Street  
Maxwell, CA 95955

*You are cordially invited to participate in this meeting on water resource management in Glenn and Colusa Counties. This educational event is intended to kick off a series of educational meetings designed to inform, discuss, and explore efforts and challenges to implement local water resource management that sustain and secure long-term water supplies in Glenn and Colusa Counties, as well as other neighboring Sacramento Valley counties. A program itinerary with background information for the participating speakers is provided in this announcement.*

*Special thanks to the Colusa Basin Drainage District and the Glenn County Department of Agriculture for their support and sponsorship of this educational event!*

Allan Fulton

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

### **DIRECTIONS to MAXWELL RESTAURANT AND INN**

*Travel Interstate 5 to exit 586 for Maxwell Road. Travel west on Maxwell-Colusa Road 0.4 miles. The Maxwell Restaurant and Inn will be on the left or south side of the road.*

## **Efforts and Challenges to Manage Our Water Resources in Glenn and Colusa Counties**

### **Discussions on Sustainable Water Resource Management and Groundwater Replenishment**

#### **Program Schedule**

**8:00 to 8:20 a.m.** – Registration and Refreshments

**8:20 to 8:30** - Welcome, Moderator – Allan Fulton, UC Cooperative Extension Farm Advisor

**8:30 to 8:45** - Insights to Local Water Resource Management – “Lady Bug” Doherty, Colusa County Rancher and Central Valley Flood Protection Board Member

**8:45 to 9:30** – Pursuing Local Water Resource Management within the Framework of California Water Law – Kevin O’Brien, Attorney, Law Firm of Downey Brand, Sacramento

- Surface Water (15 min)
- Groundwater (15 min)
- Groundwater Replenishment (15 min)

**9:30 to 9:45** – Questions and Discussion

**9:45 to 9:55** – **BREAK and REFRESHMENTS**

**9:55 to 10:30** - Understanding our Groundwater Resources – Bill Ehorn, Geologist, Groundwater Section, California Department of Water Resources, Northern District, Red Bluff

**10:30 to 11:00** – Elements of Effective Local Water Resource Management – Fran Borcalli, Consulting Water Resources Engineer, Sacramento

**11:00 to 11:10** – Questions and Discussion

**11:10 to 11:30** – Update on Local Water Resource Management in Glenn and Colusa Counties - Lester Messina, Glenn County Department of Agriculture and Steve Hackney, Colusa County Department of Planning

**11:30 to 11:50** – Opportunities for Groundwater Replenishment – Gene Massa, General Manager, Colusa Basin Drainage District.

**11:50 to 12:00** – Questions, Discussion, Wrap-up

# EFFORTS AND CHALLENGES TO MANAGE OUR WATER RESOURCES IN GLENN AND COLUSA COUNTIES

## More about the Program and Speakers

The early morning session (**8:30 to 9:45 a.m.**) will focus on local water resource management in a general context. The intent is to discuss how local water resource management may be viewed from various perspectives and to explore how to accomplish it.

**“Lady Bug” Doherty** has been a long-time resident of Colusa County and the surrounding area. She grew up along the lower western edge of the historic Sutter Buttes. She now resides and ranches in the Sites area of western Colusa County, in the possible footprint of the Sites Off-stream storage area. “Lady Bug” presently serves as member of the Central Valley Flood Control Board and will share her perspective about local water resource management.

**Kevin O’Brien** is a Partner in the Law Firm of Downey Brand in Sacramento. Kevin joined Downey Brand in 1985 and has represented public and private sector clients in a wide range of water-related issues, with special emphasis on water rights. Kevin will provide an overview of California water rights and their relevance to local water resource management.

The mid morning session (**9:55 – 11:00 a.m.**) will focus on technical and other aspects of local water resource management. The goal is to share information about the current understanding of the water resources in Glenn and Colusa Counties and to examine how to progress with local water resource management in the two counties.

**Bill Ehorn** is one of the senior staff in the Groundwater Section with the California Department of Water Resources, Northern District in Red Bluff. He has a Bachelor’s degree in geology and a Masters degree in hydrogeology. He is a Certified Hydrogeologist and a California Professional Geologist. Bill will provide information about the groundwater resources in Glenn and Colusa Counties.

**Fran Borcalli** is a Sacramento-based Civil Engineer with many years of experience working with flood and groundwater management issues in Northern California and the Sacramento Valley including Glenn and Colusa Counties. In recent years, Fran has consulted with the Glenn County Water Advisory Committee and with Colusa County Department of Planning to develop and adopt a county wide coordinated groundwater management plan. Fran will address planning, organizational, and technical aspects of local water resource management.

The late morning session (**11:00 to noon**) will provide an update on the status of local water resource management in Glenn and Colusa Counties and explore future opportunities.

**Lester Messina** is a staff member of the Glenn County Department of Agriculture. In his position he supports and facilitates local water resource management efforts by working with area water users, agencies, and policy makers. **Steve Hackney**, Director of Planning and Building in Colusa County, works to support local water resource management in Colusa County. Lester and Steve will provide an update on local efforts to manage water resources in their respective counties.

**Gene Massa** is the General Manager of the Colusa Basin Drainage District (CBDD) headquartered in Willows. Historically and still today, CBDD has focused on flood control throughout large areas of Glenn, Colusa, and Yolo Counties. Gene will discuss opportunities for the CBDD to become involved in the additional role of groundwater replenishment as part of local efforts to manage water resources.

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BASIN DRAINAGE DISTRICT, AND THE GLENN COUNTY DEPARTMENT OF AGRICULTURE



# Glenn County Water Resources

Efforts and Challenges  
Past-Present-Future

April 1, 2009

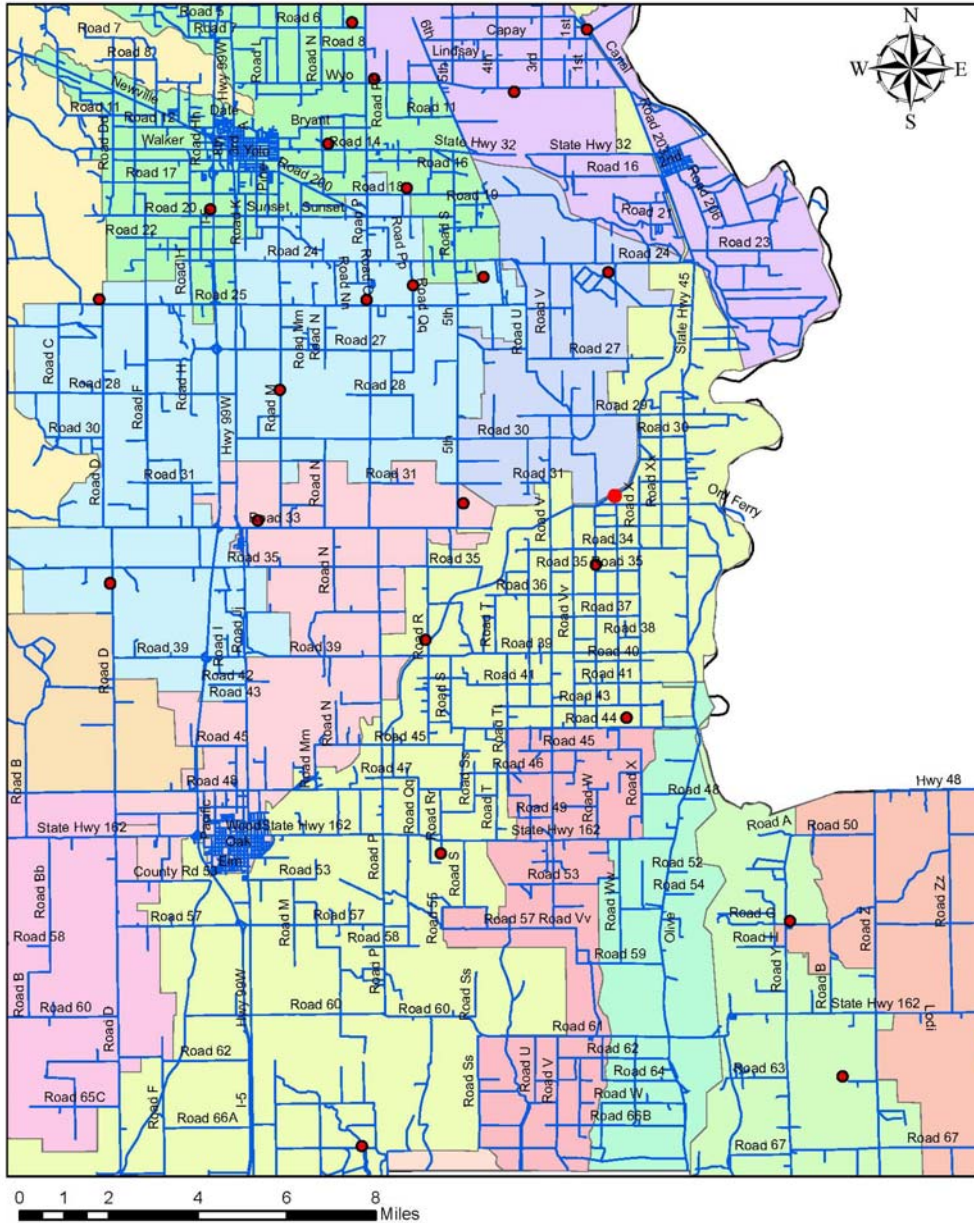
# PAST

- **1992** - SB 867 Legislation Which Would Have Created the Glenn County Groundwater Management District - vetoed by the Governor
- **1996** - Ad Hoc Committee Formed to Assist in the Development of Water Policy for the County
- **1997** - MOU Developed Between the County and Irrigation/Water Districts to Work Cooperatively
- **1998** - Position Statement of Irrigation/Water Districts Provided Clarification to the County's Role in Groundwater Management

# PAST

- **2000** – Board of Supervisors Adopted Ordinance 1115 as the Glenn County Groundwater Management Plan – Codified as County Code 20.03. Formally Appointed a Water Advisory Committee and Technical Advisory Committee.
- **2001** – Adopted Basin Management Objectives (BMO) for Water Levels- 20 years of historic measurements. When Sufficient Data is Collected-Establish BMO's for Water Quality & Land Subsidence
- **2002** – Established a Dedicated Monitoring Network. Additional Wells Installed as Funding Becomes Available

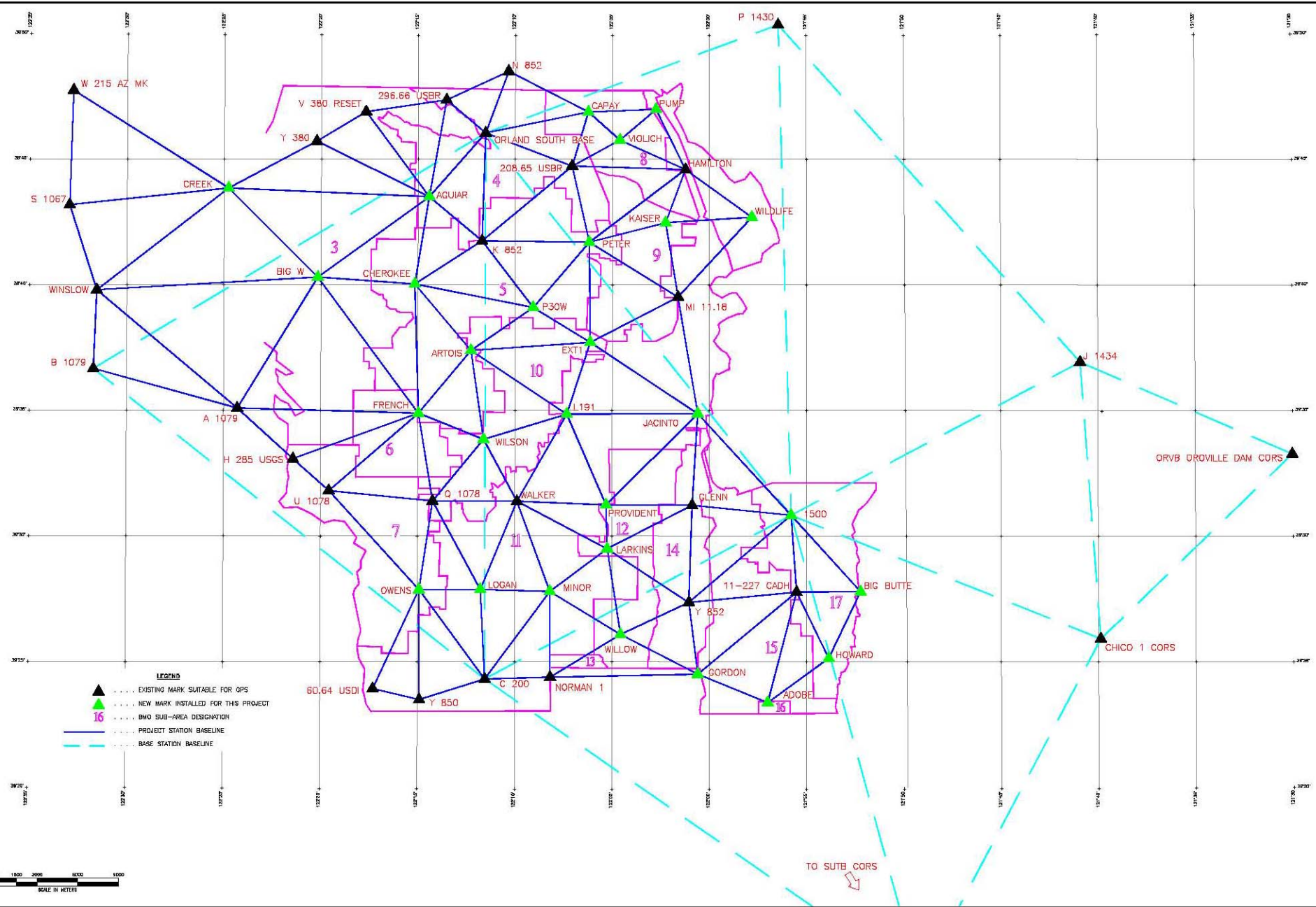
# Glenn County Monitoring Wells





# PAST

- **2004** - Established a Cooperative Program with the Colusa Basin Drainage District
  - Wilson Creek Hydrogeologic Basin Evaluation (2006)
  - Installed a Multi-Completion Dedicated Monitoring Well (2007) to Gain Knowledge of Groundwater Recharge in Conjunction with a Proposed Flood Control Detention Facility
- **2004** - Established Baseline Elevations for a GPS Based Land Subsidence Monitoring Network. Resurveyed in 2008 as a Portion of the Sacramento Height Modernization Project



- LEGEND**
- ▲ ... EXISTING MARK SUITABLE FOR OPS
  - ▲ ... NEW MARK INSTALLED FOR THIS PROJECT
  - 16 ... BMO SUB-AREA DESIGNATION
  - ... PROJECT STATION BASELINE
  - - - ... BASE STATION BASELINE



TO SUBT CORS  
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# PAST

- **2004** - Developed a Preliminary Plan for Groundwater and Coordinated Water Management
  - Identified Tasks Necessary to Proceed as the “Next Steps” in Countywide Water Management
- **2005** - Participated in a Four County Drinking Water Strategy - Developed Goals and Objectives for Protection of Water Quality – Resulting in a Four County MOU to Work Cooperatively and Share Information
- **2007**- Completed Three Tasks Identified in the Preliminary Plan – 1) Water Needs Analysis, 2) Countywide Irrigation Distribution Infrastructure Map, 3) Comprehensive Monitoring Program

# PRESENT

- Updating Webpage: [glenncountywater.org](http://glenncountywater.org)
- Developing a Strategic Planning Process for Water Resources in the County
- Exploring Options for Sustainable Funding Sources
- Proposing Some Short-term Mechanisms to Provide \$\$\$ Needed for Monitoring

# FUTURE

When Sustainable Funding is Established

- Water Needs for Economic Viability
- Sustainability of Groundwater Resources
- Protection of Water Quality
- Become More Active in Flood Control Activities and it's Role in Groundwater Recharge - Monitoring Well Proposal to CBDD in Support of Groundwater Replenishment

# FUTURE

- Define the Role of the County in Coordinated Water Management
- Develop a Drought Management Program
- Provide Assistance for Agricultural, Municipal, and Industrial Growth in The County While Protecting the Environment
- Pursue Additional Outreach Opportunities

# Glenn County Department of Agriculture

Lester Messina

Water Resource Coordinator

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