

**GLENN COUNTY
WATER ADVISORY COMMITTEE**

Glenn County Department of Agriculture
720 North Colusa St., Willows, CA 95988
Phone: 530.934.6501 FAX: 530.934.6503
Email: wateradv@countyofglenn.net
Website: <http://www.glenncountywater.org/>

AGENDA

MEETING DATE: Tuesday, February 10, 2015
TIME: 1:30 P.M.
PLACE: Glenn-Colusa Irrigation District
344 East Laurel Street
Willows, CA 95988

I. INTRODUCTIONS:

Water Advisory Committee Members:

David Alves	Central River Irrigation Districts
Terry Bressler	East County Reclamation and Irrigation Districts
Ted Trimble	East County Reclamation and Irrigation Districts
Sandy Willard Denn	Glenn-Colusa Irrigation District
Larry Domenighini	Glenn County Farm Bureau
Ken Sullivan	Orland Unit Water Users Association
Bruce Roundy	Resource Conservation District
Mike Vereschagin	Tehama Colusa Canal Authority Districts
Mike Alves	Tehama Colusa Canal Authority Districts
Mark Lohse	At-Large Private Pumpers (Agricultural/Municipal/Industrial)
Rob Vlach	At-Large Private Pumpers (Agricultural/Municipal/Industrial)
Darin Titus	At-Large Private Pumpers (Agricultural/Municipal/Industrial)
John Garner	At-Large Private Pumpers (Agricultural/Municipal/Industrial)

Technical Advisory Committee Members:

Lance Boyd	At-Large, South Area
Roy Hull	Department of Water Resources
Allan Fulton	UC Cooperative Extension
Matt Gomes	Glenn County Planning and Public Works
Kevin Backus	Glenn County Environmental Health
Ben Pennock	At-Large, Central Area
Jim Donnelly	Glenn County Department of Agriculture
Anjanette Shadley	At-Large, East Area
John Brooks	At-Large, North Area
Leigh McDaniel	Board of Supervisors (ex-officio)

II. APPROVAL OF MINUTES:

A. Consider approval of the Minutes from the meeting of December 9, 2014.

III. AGENDA ITEMS:

A. Public Comment:

Any person wanting to address the Water Advisory Committee on any item NOT ON TODAY'S AGENDA may do so at this time. The Water Advisory Committee will not be making decisions or determinations on items brought up during Public Comment.

B. Discussion and/or Action Items:

1. Update on member vacancies
2. Reports
 - a) TAC
 - b) Education/Outreach Committee
 - c) Legislation Committee
3. DWR update
4. Groundwater Quality Assessment Report—Lester Messina, Colusa-Glenn Subwatershed
5. Other Topics of Interest

B. Communications:

D. Member Reports:

At this time WAC members are encouraged to discuss upcoming or ongoing activities that may be of interest to the committee.

IV. NEXT MEETINGS:

The next WAC meeting will be tentatively scheduled at this meeting.

The next TAC meeting is tentatively scheduled for February 2015.

Any documents related to agenda items that are made available to the Water Advisory Committee before the meeting shall be available for review during regular business hours at 720 North Colusa Street, Willows, California, 95988.

In compliance with the Americans with Disabilities Act, if you need special assistance or accommodations to participate in this meeting, please contact Lisa Hunter at the Glenn County Department of Agriculture at 530-934-6501. Notification at least 48 hours prior to the meeting will enable the Glenn County Water Advisory Committee to make reasonable arrangements to ensure accessibility to this meeting. (28 CFR 35.101-35.164 ADA Title II.)

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E-mail: wateradv@countyofglenn.net Web Page: www.glenncountywater.org

MINUTES

Meeting Date: Tuesday, December 9, 2014

Time: 1:30 pm

Place: Glenn-Colusa Irrigation District
344 East Laurel Street
Willows, CA 95988

Water Advisory Committee Members Present:

Larry Domenighini	Glenn County Farm Bureau
Ted Trimble	Western Canal Water District
Mike Alves	KWD/GWD
Mark Lohse	At Large Private Pumper
Bruce Roundy	Resource Conservation District
Sandy Willard-Denn	GCID
Ken Sullivan	Orland Unit Water Users Association

Others in Attendance:

Lisa Hunter	Glenn Co. Ag Dept.
Erin Smith	DWR
Brian Taylor	Glenn Co. Ag Dept.
Del Reimers	
Barbara Hennigan	BSBAGU
Vickie Newlin	Butte County
Mark Atlas	PID/PCGID/KWD/GWD

Water Advisory Committee Members Absent:

Darin Titus	Private Pumper
David Alves	Central River Irrigation Districts
Mike Vereschagin	TC Canal Authority Districts
Rob Vlach	At Large Private Pumper
John Garner	At Large Private Pumper

Technical Advisory Committee Members Present:

Roy Hull	DWR
Ben Pennock	Central Area
Lance Boyd	PID/PCGID
Matt Gomes	Glenn County PPWA

- I. INTRODUCTIONS: Those in attendance introduced themselves.
- II. APPROVAL OF MINUTES: Draft minutes from the previous meetings on June 10 and October 23, 2014 were approved as submitted.
- III. AGENDA ITEMS:

A. Public Comment: None.

B. Discussion & Action Items:

1. Update on member vacancies

An application has been received for the one remaining vacancy on the WAC for the East Side Irrigation and Reclamation Districts, by Mr. Terry Bressler, manager of RD 1004. It was heard at

the Board of Supervisors meeting last week and is currently being held over to be considered next week.

Del Reimers requested that the Rangeland Association be considered for a seat on the WAC. They represent the area west of Road D. It was discussed that if a private pumper position became open, a member of that group would qualify to apply for the position.

2. Reports

- a) TAC update: The Technical Advisory Committee's final recommendation for revised basin management areas was presented and discussed. The boundaries are closer aligned to hydrologic areas and DWR Bulletin 118 basins. Generally the boundaries were drawn by using Bulletin 118 boundaries, fault lines, and canal lines. Handouts were provided. Discussion also took place regarding the formation of potential GSAs and how these boundaries could fit in to the upcoming work. Mike Alves motioned to approve the recommendation. The motion was seconded by Ms. Willard-Denn and carried unanimously. The Abnormal Groundwater Level Reports process will be discussed at the next TAC meeting scheduled for Monday, December 15.
- b) Education / Outreach Committee update: The committee has met twice thus far and has planned 3 outreach meetings (one each in Willows, Orland, and Ord Bend) in February. The meetings are planned for the evenings to allow for a larger number of attendees. The Rangeland Association is also sponsoring a meeting, which will be handled separately, but in the same timeframe. These will be informational meetings, not policy. A summary handout was provided. The group plans to meet again in early January. Discussion from the WAC included suggestions on which neutral party could provide the legislation presentation and potential meeting locations. If anyone has a suggestion for a speaker for the legislation presentation or for a moderator, contact Mr. Domenighini or Ms. Hunter.
- c) Legislation Committee update: The committee is reviewing the timelines and definitions found within the Sustainable Groundwater Management Act. Mr. Domenighini presented a summary of the Act. A handout was provided and can be used as a reference guide of the highlights of the Act. The Board of Supervisors will receive a briefing next Tuesday, December 16.

3. Other Topics of Interest

Mike Alves commented on the process for the Abnormal Groundwater Level Reports. It was suggested that the information in the reports be forwarded to the WAC when received rather than brought to the next WAC meeting. The process will be developed further through TAC efforts. It was recommended to also update the Board of Supervisors on the process.

Mr. Roundy suggested that the WAC also be informed of requests for connection to municipal water & sewage services and annexation.

C. Communications: A letter regarding the GCID scoping project dated October 27 was available. It will be sent to the committee members.

D. Member Reports: None

IV. NEXT MEETINGS: TAC will meet Monday, December 15. The Board of Supervisors will be briefed on the legislation December 16. The Outreach ad hoc committee will meet in early January. The legislation ad hoc committee also plans to meet in January. The next WAC meeting is tentatively scheduled for January 13, 2015.

At the next WAC meeting DWR will provide fall groundwater elevation change information and preliminary subsidence report analysis.

The three monitored wells in the Glide and Kanawha Districts are trending back up.

Groundwater Resources Association as a Groundwater Sustainability Act seminar/webinar tomorrow.

The meeting was adjourned at 3:05 pm.



Water Advisory Committee

720 North Colusa Street, P. O. Box 351, Willows, CA 95988

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Memo

To: WAC/TAC members
From: Larry Domenighini, WAC chairman
Date: February 4, 2015
Re: February 10, 2015 WAC meeting

The next WAC meeting will have updates on the following topics:

WAC members:

At their February 3, 2015 meeting the Board of Supervisors (BOS) appointed Terry Bressler, Manager of RD 1004 to the vacant East County Reclamation and Irrigation District position.

TAC update:

At the December 9, 2014 WAC meeting, the TAC presented its BMO areas revision proposal, which the WAC approved. The TAC held a meeting December 15, 2014 for furtherance of the BMO revision process. A subcommittee of the TAC was established to work on revision of the Stage Alert levels for the new BMO areas. A short progress report will be given.

Education/Outreach Committee:

The Education/Outreach subcommittee will be presenting a series of three public meeting at the following dates and locations:

1. February 19 at Willows City Hall
2. February 26 at Glenn County Fair Grounds, Arts & Crafts Building
3. March 5, 2015 at Ord Bend Community Hall

All meeting are scheduled for 6:30 pm-8:00 pm and will cover the same three topics: Glenn County hydrology, WAC activities, and State Groundwater Management Act (SGMA) legislation. Attached is the press release for the meetings. The Glenn County Farm Bureau (GCFB) and UC Cooperative Extension (UCCE) are co-sponsors for these meetings. Notice of the meetings will appear in the GCFB newsletter and in the latest UCCE Water & Land Management Newsletter. Also, the Glenn County Department of Agriculture is sending out meeting notice postcards to all Pesticide Permit holders (approximately 1000 permit holders).

Representing: BOS District 3 Private Pumpers; BOS District 5 Private Pumpers; City of Orland, City of Willows; East Corning Basin Private Pumpers; Glenn County Farm Bureau; Glenn County Supervisors; Glenn-Colusa Irrigation District; Glide Water District, Kanawha Water District, Orland-Artois Water District, Orland Unit Water Users Assn., Princeton-Codora-Glenn Irrigation District, Provident Irrigation District; Reclamation District No. 1004; Reclamation District No. 2106; Resource Conservation District; Stony Creek Water District; West Colusa Basin Private Pumpers; West Corning Basin Private Pumpers; Western Canal Water District; Willow Creek Mutual Water Company.

Special letters of invitation will be sent to the BOS, Willows and Orland City Councils, and to Water Districts inviting those persons to attend the meeting nearest their represented areas and asking them to be available to answer any pertinent questions.

Legislation Subcommittee:

Lisa Hunter and I gave a presentation on the new groundwater management legislation at the January 20, 2015 BOS meeting. Thad Bettner, GCID General Manager, was also there to provide his comments and to help answer questions. The legislation subcommittee will be seeking WAC input on the next steps to take regarding implementation of the SGMA at our meeting.

DWR Updates:

We will have two presentations for discussion from Department of Water Resources (DWR) staff. The first presentation will cover the groundwater elevation change maps, copies of which will be distributed at the meeting to WAC members. The other presentation will be concerning the 2008 subsidence survey results. Attached is the letter DWR sent concerning the survey results for Glenn County.

The DWR specialist for Glenn County has been Roy Hull for several years, but that responsibility is transitioning this year to Erin Smith, who has been attending WAC and TAC meetings.

Groundwater Quality Assessment Report:

Lester Messina, Technical Consultant for the Colusa Glenn Subwatershed Program (CGSP), will give a presentation of local groundwater quality conditions regarding nitrates. The CGSP is a non-profit organization that provides assistance for landowners/operators of irrigated agriculture in Glenn and Colusa Counties to fulfill their regulatory requirements under the Central Valley Regional Water Quality Control Board's Irrigated Lands Regulatory Program. The CGSP is part of a larger Sacramento Valley Water Quality Coalition (SVWQC). The SVWQC obtained funding from DWR for development of a Groundwater Quality Assessment Report (GAR). The report was prepared by CH2MHILL. The GAR enables a big-picture, initial regional assessment of groundwater quality and vulnerability to nitrate contamination of irrigated agricultural lands in the Sacramento Valley watershed and establishes an initial framework to help prioritize groundwater monitoring activities. The complete report and accompanying appendices can be found at: <http://www.svwqc.org/>. Look under "Groundwater Quality Assessment Reports".

PRESS RELEASE

For Immediate Release—February 3, 2015

The Glenn County Water Advisory Committee in conjunction with the UC Cooperative Extension and the Glenn County Farm Bureau would like to invite the public to an educational forum dedicated to Glenn County groundwater. Three meetings with the same format will be offered in different locations throughout the County. It will not be necessary to attend each meeting. The topics to be covered at each meeting include an overview of Glenn County hydrology, the Water Advisory Committee and current activities, and an overview of the new Sustainable Groundwater Management Act. This opportunity is being provided to help community members stay engaged and informed of groundwater topics in the County. The meeting dates and locations are:

Meeting #1: WILLOWS

WHERE: WILLOWS CITY COUNCIL CHAMBERS
201 North Lassen Street, Willows, CA, 95988

WHEN: THURSDAY, FEBRUARY 19, 2015

TIME: 6:30 to 8:00 p.m.

Meeting #2: ORLAND

WHERE: GLENN COUNTY FAIRGROUNDS, ARTS & CRAFTS BUILDING
221 E. Yolo Street, Orland, CA, 95963

WHEN: THURSDAY, FEBRUARY 26, 2015

TIME: 6:30 to 8:00 p.m.

Meeting #3: ORD BEND

WHERE: Ord Bend Community Hall
3241 California 45, Glenn, CA 95943

WHEN: THURSDAY, MARCH 5, 2015

TIME: 6:30 to 8:00 p.m.

Please contact Lisa Hunter at (530) 934-6501 for questions.

DEPARTMENT OF WATER RESOURCES

NORTHERN REGION OFFICE
2440 MAIN STREET
RED BLUFF, CA 96080-2356



February 3, 2015

Glenn County Board of Supervisors
525 West Sycamore Street, Suite B1
Willows, California 95988

Glenn County Water Advisory Committee
Post Office Box 351
Willows, California 95988

Dear Supervisors and Committee members:

The purpose of this letter is to provide land subsidence results from the Global Positioning System (GPS) surveys performed in Glenn County. GPS surveys were performed to monitor changes in ground surface elevation to detect subsidence throughout the county and ultimately the entire Sacramento River Valley. The enclosed comparison showed two areas of the county exhibiting land subsidence.

The Glenn County subsidence network was installed and initially monitored in 2004. It consisted of 58 stations; about half were existing survey monuments, and the other half were installed as part of this project. Initial GPS surveying took place during March and April 2004. The network was resurveyed in spring 2008 as part of a larger Sacramento Valley GPS subsidence project.

The two surveys did not follow the same observation schedule and monitoring plan, and therefore, direct comparison was not possible at some locations within the county. By performing data analysis and review, the Northern Region Office of the Department of Water Resources (DWR) was able to develop the enclosed map showing the land surface change along the defined paths, or vectors, between the years of 2004 and 2008. The data analysis and review performed to complete the map included identifying and using similar vectors, where available, from both years. It also included using auto leveled monuments, where necessary, to be able to include the monuments that were relocated between the survey years. This was performed only when there was a direct relationship between the points in order to preserve the accuracy of the survey data.

Using the best methodologies available at the time, the GPS vertical accuracy, or threshold, for this monitoring effort was estimated to be 0.164 feet or approximately 2 inches. Any changes that show greater than the defined threshold are considered statistically significant and indicate possible ground movement.

In general, the analysis did not show that the county experienced widespread ground movement during this four-year time frame. However, two areas determined from the analysis indicate ground movement. The first area, to the south and east of Hamilton City, did exhibit a change in ground surface elevation that is statistically significant. The monument designated "WILD" on the enclosed figure showed an average change of 0.38 feet or about 4.5 inches when compared to the nearest monuments to the west. This monument is on the eastern edge of the Glenn County network and additional surveying would need to be performed comparing 2008 to current levels in a larger area of Glenn and Butte counties to determine if this is an ongoing concern or just an anomaly.

The second area is near Sunset Avenue and County Road E to the southwest of Orland. This area showed a change just below the level of being statistically significant at 0.125 feet or about 1.5 inches. This may have indicated an area of concern and warrant additional surveying to determine whether this is an onset of land subsidence or not.

Ideally, the entire Sacramento Valley GPS Subsidence Monitoring Network should be resurveyed and compared to the valley wide 2008 survey to determine changes caused by the increased groundwater pumping and the persistent drought impacts. It is possible to check small areas without resurveying the entire network as mentioned above. DWR will further investigate the opportunities to work with the Sacramento Valley counties to resurvey the Sacramento Valley GPS Subsidence Monitoring Network. As an intermediate step, DWR may resurvey the two local areas that showed subsidence in 2008 to investigate any additional land elevation changes.

A formal presentation of the results will be provided by DWR to the Glenn County Water Advisory Committee at a future date.

If you have any questions or need additional information, please contact me at (530) 528-7403, or Roy Hull, Engineering Geologist, at (530) 529-7337.

Sincerely,



Bill Ehorn, Chief
Groundwater and Geologic Investigations

Enclosure

ec: (See attached list.)

Ms. Lisa Hunter, Glenn County
Water Resources Coordinator
LHunter@countyofglenn.net

Mr. Paul Gosselin, Butte County
Director, Water and Resource Conservation
PGosselin@buttecounty.net

Ms. Mary Fahey, Colusa County
Water Resources Coordinator
mfahey@countyofcolusa.com

Mr. Gary Antone, Tehama County
Tehama County Public Works Director
gantone@tcpw.ca.gov

Mr. Ryan Teubert, Tehama County
Tehama County Flood Control & Water Resource Manager
rteubert@tcpw.ca.gov

DWR Glenn County Subsidence Survey

Elevation Change from 2004 to 2008

