

**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](mailto:wateradv@countyofglenn.net)  
Website: <http://www.glenncountywater.org/>

**AGENDA**

**MEETING DATE:** Tuesday, December 8, 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)
Del Reimers	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
Marcie Skelton	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 November 10, 2015.

### **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. DWR update
  - a) Fall Groundwater Levels
2. Reports
  - a) Education/Outreach Committee
  - b) Legislation Committee
  - c) TAC
3. Summer 2015 Water Quality update
4. BMO revision process
  - a) Discussion and possible actions regarding BMO revision process and provide direction to TAC.
  - b) Selection of ad hoc committee to develop policy options
5. Sustainable Groundwater Management Act
  - a) DWR facilitation services
  - b) Counties with Stressed Basins Grant application
  - c) Roundtable discussion
6. Election of Officers for the 2016/2017 term
  - a) Receive recommendation from nomination committee
  - b) Election of Chair and Vice-Chair for 2016-2017 term
7. Other Topics of Interest

#### **C. 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 will be scheduled at a later date.

**V. ADJOURN:**

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.)

# GLENN COUNTY WATER ADVISORY COMMITTEE

Glenn County Department of Agriculture  
720 North Colusa St., P.O. Box 351, Willows, CA 95988  
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## MINUTES

Meeting Date: Tuesday, November 10, 2015

Time: 1:30 pm

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

### Water Advisory Committee Members Present:

Sandy Willard-Denn	GCID
Mark Lohse	Private Pumper
Darin Titus	Private Pumper
Bruce Roundy	Resource Conservation District
Ken Sullivan	Orland Water Users Association
Del Reimers	Private Pumper
David Alves	Central River Irrigation Districts
Larry Domenighini	Glenn County Farm Bureau
Mike Alves	TC Canal Authority Districts
Mike Vereschagin	TC Canal Authority Districts

### Others in Attendance:

Lisa Hunter	Glenn Co. Ag Dept.
Hank Wallace	Self
Thad Bettner	GCID
Erin Smith	DWR
Chip Meriam	County Assessor
Ed Owens	
John Garner	
Will Martin	Private Pumper
Sharron Ellis	Concerned Citizen
George Pendell	Stony Creek

### Water Advisory Committee Members Absent:

Terry Bressler	East County Rec & Irr Districts
Ted Trimble	Western Canal Water District
Rob Vlach	Private Pumper

### Technical Advisory Committee Members Present:

Kevin Backus	Glenn County Environmental Health
Ben Pennock	At-Large, Central Area
Marcie Skelton	Glenn Co. Ag Dept.

### I. INTRODUCTIONS:

Those in attendance are shown above.

### II. APPROVAL OF MINUTES:

The meeting minutes from June 9, 2015, August 25, 2015, and September 24, 2015 were unanimously approved with the following corrections to the June 9 minutes:

Item III.B.5. Paragraph 2: Glenn County will have a discussion ~~at~~ with the Board of Supervisors at their next meeting in order to discuss options, receive comments, and hear direction from the Board.

### III. AGENDA ITEMS:

#### A. Public Comment:

None

#### B. Discussion and/or Action Items:

**1. DWR update**

Erin Smith provided an update on the summer groundwater conditions throughout the Northern Sacramento Valley, with an emphasis on conditions in Glenn County. She also provided a presentation on the focused subsidence survey completed by DWR in the spring of 2015. The survey was completed as a follow-up to the 2004 to 2008 subsidence survey results in two localized areas within Glenn County. The area south-west of Orland has seen a change of 3.24 inches between 2004 and 2015. The rate of change has increased since 2008. South of Hamilton City has seen a change of 1.32 inches, but remains relatively unchanged from 2008 to 2015.

**2. Reports**

- a) **Education/Outreach Committee**—The committee has not met since the last WAC meeting and has nothing to report.
- b) **Legislation Committee**—The committee has not met since the last WAC meeting and has nothing to report.
- c) **TAC**—Lisa Hunter provided a presentation updating the committee on the BMO revision process. The new method of evaluation utilizes the dedicated monitoring well network, annual lows, well infrastructure, and a calculated rate of change to help assess the risk to the current wells infrastructure at varying groundwater conditions. A gradient map was developed to provide a visual representation of the number of years it would take at the current rate of change for water levels to drop below the depth representing 50% of the wells in a given area.

The committee discussed the proposed method. It was recommended to consider a peer review of the process. Additional conversation ensued including the gradient of water and interconnection between areas that appear to be low risk and areas of high risk, the incorporation of total demand and gross water use, and SGMA implications. It was ultimately decided to bring it back to the WAC at the next meeting to further discuss the method and potential policy recommendations.

**3. Sustainable Groundwater Management Act**

Lisa Hunter advised the committee that the County has applied for the facilitation services through DWR to aid in governance formation for the geographic area of the county. The application has been accepted and a facilitator has been assigned. A scope of work is being developed. The Board of Supervisors will be briefed and will review the draft scope of work at the November 17 board meeting. It was requested that the draft scope of work be sent to WAC members so they may share the information with their respective boards.

**4. Election of Officers for the 2016-2017 term**

A nomination committee composed of Sandy Denn, Darin Titus, Rob Vlach, and Ted Trimble will meet and report back with recommendations to the WAC at the December meeting. Ms. Denn will chair the committee.

**5. Other Topics of Interest**

None.

**C. Communications:**

None discussed

**D. Member Reports:**

None.

**IV. NEXT MEETINGS:**

The next WAC meeting is scheduled for December 8, 2015.

The next TAC meeting has not been scheduled.

V. **ADJOURN:**

The meeting was adjourned at 3:27 p.m.

DRAFT

## 2015 Groundwater Quality Summary

WELL	2015 TEMP (°C)	2015 pH	2015 EC (µs/cm)
<b>SUB- AREA 3</b>			
1	22.1	7.9	324
2	NM	NM	NM
3	NM	NM	NM
<b>SUB- AREA 4</b>			
4	19.9	7.8	343
<b>SUB-AREA 5</b>			
6	19.0	7.4	729
7	20.3	7.3	572
<b>SUB-AREA 7</b>			
8	18.9	7.6	615
9 (Average of 6 monitoring wells)	21.1	7.5	745
10	19.8	7.6	650
<b>SUB-AREA 8</b>			
11	NM	NM	NM
12	NM	NM	NM
13	NM	NM	NM
5	NM	NM	NM
<b>SUB-AREA 9</b>			
14	18.2	7.5	1080
15	18.4	7.5	568
<b>SUB-AREA 10</b>			
17	18.4	7.8	678
16	20.2	7.2	409
18	NM	NM	NM
CalWater-Willows (2013 report)	NM	7.9	566
<b>SUB-AREA 11</b>			
19	NM	NM	NM
<b>SUB-AREA 12</b>			
20	19.8	7.9	316
21	NM	NM	NM
<b>SUB-AREA 13</b>			
22	NM	NM	NM
<b>SUB-AREA 14</b>			
23	18.7	7.8	472
24	19.0	7.7	452
25	19.1	7.7	472
<b>SUB-AREA 15</b>			
26	NM	NM	NM
27	18.9	7.6	534

**\*\*\* NO MULTI COMPLETION WELLS INCLUDED**

\*\*\* pH Water Quality Threshold 6.5---8.5

\*\*\* EC Water Quality Threshold <900 µs/cm= Drinking Water <700 µs/cm = Ag water

17 wells sampled

pH-All within normal range

2 monitoring wells/well groups average exceeds the 700 µS/cm agricultural standards

1 well exceeds the 700 µS/cm agricultural standards and 900 µS/cm drinking water standards

## 2015 Groundwater Quality Summary

WELL	TEMP (°C)			pH			EC (µs/cm)		
	2015	Average	Range	2015	Average	Range	2015	Average	Range
<b>SUB- AREA 3</b>									
1	22.1	22.0	21.1-22.9	7.9	7.7	7.1-8.2	324	299	244-325
2	NM	23.0	22.4-24.6	NM	8	7.8-8.3	NM	550	523-593
3	NM	20.5	19.4-21.2	NM	7.9	7.5-8.3	NM	244	191-283
<b>SUB- AREA 4</b>									
4	19.9	19.3	18.0-21.0	7.8	7.7	7.0-8.1	343	310	264-354
<b>SUB-AREA 5</b>									
6	19.0	19.2	18.2-20.7	7.4	7.3	6.9-7.9	729*	630	332-846
7	20.3	20.9	19.3-22.9	7.3	7.2	6.4-8.1	572	443	226-572
<b>SUB-AREA 7</b>									
8	18.9	19.0	17.9-20.3	7.6	7.5	7.0-7.9	615	558	458-636
9 (Average of 6 monitoring wells)	21.1	19.9	18.3-22.9	7.5	7.6	7.3-8.0	745*	674	576-800
10	19.8	19.7	18.5-20.5	7.6	7.5	7.0-8.1	650	585	473-665
<b>SUB-AREA 8</b>									
11	NM	18.7	16.9-20.7	NM	7.5	7.1-7.8	NM	682	457-868
12	NM	18.9	17.6-20.4	NM	7.7	7.3-8.1	NM	526	253-668
13	NM	20.1	19.4-21.3	NM	7.5	7.0-7.9	NM	436	240-481
5	NM	19.7	18.7-21.0	NM	7.4	7.0-8.1	NM	462	247-529
<b>SUB-AREA 9</b>									
14	18.2	18.3	17.3-19.7	7.5	7.4	7.0-7.6	1080*	941	495-1083
15	18.4	19.0	17.7-21.3	7.5	7.3	6.4-7.8	568	600	419-744
<b>SUB-AREA 10</b>									
17	18.4	18.8	18.2-20.0	7.8	7.6	7.1-8.0	678	582	303-796
16	20.2	20.1	19.0-21.2	7.2	7.1	6.5-7.7	409	386	207-480
18	NM	19.1	18.2-20.0	NM	7.4	6.9-7.8	NM	679	421-818
CalWater-Willows (2014 report)	NM	NM	NM	7.9	7.9	7.9-8.1	566	530	409-566
<b>SUB-AREA 11</b>									
19	NM	19.5	18.5-20.9	NM	7.7	7.5-7.9	NM	451	359-653
<b>SUB-AREA 12</b>									
20	19.8	19.6	19.0-20.7	7.9	7.9	7.2-8.3	316	284	239-316
21	NM	19.9	19.0-20.9	NM	7.9	7.5-8.3	NM	301	260-344
<b>SUB-AREA 13</b>									
22	NM	19.6	18.6-20.5	NM	7.7	7.3-8.4	NM	442	395-486
<b>SUB-AREA 14</b>									
23	18.7	18.9	18.0-19.9	7.8	7.7	7.1-8.1	472	433	358-484



## 2015 Groundwater Quality Summary

WELL	TEMP (°C)			pH			EC (µs/cm)		
	2015	Average	Range	2015	Average	Range	2015	Average	Range
24	19.0	18.6	17.7-20.1	7.7	7.7	7.0-8.0	452	406	358-467
25	19.1	19.1	18.5-19.9	7.7	7.7	7.3-7.9	472	438	369-493
<b>SUB-AREA 15</b>									
26	NM	19.8	18.2-21.7	NM	7.9	7.6-8.0	NM	463	278-678
27	18.9	19.0	17.8-19.8	7.6	7.6	7.1-8.2	534	537	388-619

\* exceeds the EC Water Quality Threshold for agricultural water standards

Notes:

**NO MULTI COMPLETION WELLS INCLUDED**

pH Water Quality Threshold 6.5---8.5

EC Water Quality Threshold <900 µs/cm= Drinking Water <700 µs/cm = Ag water

Averages and ranges calculated on period of record

17 wells sampled for the 2015 season