GLENN COUNTY TECHNICAL ADVISORY COMMITTEE For the Water Advisory Committee

Glenn County Department of Agriculture 720 North Colusa St., Willows, CA 95988 Phone: (530) 934-6501 Fax: (530) 934-6503 E-Mail: <u>wateradv@countyofglenn.net</u> Web Page: <u>http://www.glenncountywater.org/</u>

AGENDA

MEETING DATE:	Thursday, October 13, 2016
TIME:	9:00 A.M.
PLACE:	Glenn County Department of Agriculture
	720 N. Colusa Street, Willows, CA 95988

I. INTRODUCTIONS:

IAC Members:			
Kevin Backus	Glenn Co. Env. Health	Ben Pennock	Central Area
Marcie Skelton	Glenn Co. Ag Dept.	Lance Boyd	South Area
Matt Gomes	Glenn Co. P&PWA	John Brooks	North Area
Leigh McDaniel	Board of Supervisors	Erin Smith	DWR
Anjanette Shadley	East Area	Allan Fulton	UCCE

II. PUBLIC COMMENT:

Any person wanting to address the Technical Advisory Committee on any item NOT ON TODAY'S AGENDA may do so at this time. Please limit your comments to three (3) minutes. The Technical Advisory Committee will not be making decisions or determinations on items brought up during Public Comment.

III. APPROVAL OF MINUTES:

- a. Consider approval of the minutes of the May 26, 2016 meeting.
- b. Consider approval of the minutes of the June 2, 2016 meeting.
- c. Consider approval of the minutes of the June 27, 2016 meeting.

IV. DISCUSSION AND/OR ACTION ITEMS:

- a. WAC report (DISCUSSION)
- b. Well Permit Application revision-Direction from the WAC to review and provide input regarding the draft well permit application and procedures for the December WAC meeting. (POSSIBLE ACTION)

- c. Glenn County Prop 1 grant status update-Direction from WAC to hear update and consider requesting to be involved in the County's Prop 1 grant. (POSSIBLE ACTION)
- d. TAC membership-Direction from WAC to provide feedback regarding the WAC considering a recommendation that the Board of Supervisors add a well driller position to the TAC membership. (POSSIBLE ACTION)
- e. Other topics of interest (DISCUSSION)

V. COMMUNICATIONS:

VI. NEXT MEETING:

- a. The next TAC meeting will tentatively be scheduled at today's meeting.
- b. The next WAC meeting is scheduled for December 13, 2016.

VII. ADJOURN

Any documents related to agenda items that are made available to the Technical Advisory Committee before the meeting shall be available for review by the public during normal 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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MINUTES

MEETING DATE:	Thursday, May 26, 2016
TIME:	1:40 P.M.
PLACE:	Glenn County Department of Agriculture
	720 N. Colusa Street, Willows, CA 95988

I. INTRODUCTIONS:

TAC Members Present:

Kevin Backus	Glenn Co. Env. Health	Lisa H
Matt Gomes	Glenn Co. PPWA	George
Lance Boyd	PID/PCGID-South Area	Bill Eh
Allan Fulton (1:51)	UCCE	Doug I

TAC Members Absent:

Marcie Skelton	Glenn Co. Ag Dept	
John Brooks	North Area	
Erin Smith	DWR	
Leigh McDaniel	Board of Supervisor	
Anjanette Shadley	East Area, WCWD	
Ben Pennock	Central Area	

Others in Attendance:

Lisa Hunter George Pendell Bill Ehorn Doug Ross Sharron Ellis Kim Schumacher Will Martin Glenn Co. Ag Dept. Stony Creek DWR Mirror Newspaper

II. PUBLIC COMMENT: None.

III. APPROVAL OF MINUTES:

The consideration of approval of the minutes was continued until the next TAC meeting due to lack of a quorum.

IV. DISCUSSION AND/OR ACTION ITEMS:

a. WAC report— Lisa Hunter reported that the WAC met May 10. DWR provided a Spring Groundwater Conditions presentation and the WAC also reviewed the Spring 2016 BMO levels, which will be reviewed under Item c. Larry Domenighini also presented a report on the BMO Policy ad hoc committee progress. Board of Supervisors activities were also reviewed and Minutes Orders were distributed. SGMA was also discussed. The WAC met again on May 24 to rescind an action that was taken at the May 10 meeting to send a letter to the Board of Supervisors to remove the well permit moratorium county-wide. The action was rescinded and discussion took place regarding the item. Ultimately the WAC directed the TAC to work with staff to draft a letter to the Board of Supervisors for WAC consideration using the following statement as a guideline:

"The WAC cannot recommend that the well moratorium be continued based on lack of sound data/science and further studies are needed to be done to gather data by a third party consultant and funding is needed to complete these studies."

This item will be placed on the next TAC agenda in order to take action.

b. BMO Revisions—Lisa Hunter reviewed County Code 20.03 and the BMO process. Ms. Hunter also reviewed excerpts of the Report on Groundwater Level Declines in Western Glenn County report that was created by an ad hoc committee of the WAC, approved by the WAC and the Board of Supervisors in May 2014. This type of report meets the requirements to investigate a BMO non-compliance. This report is also relevant to the recent discussions.

A handout was provided as a guide for a Brainstorming Session for the next several items in order to facilitate discussion and potential recommendations. Discussion took place reviewing some items on the handout including an update to the WAC on the proposed BMO methodology concept and the contour years that were presented at an earlier WAC meeting. It may be helpful to have the WAC approve the method in order to allow the TAC to move forward with the next steps. A vertical component for BMO compliance, and challenges associated with such a component, was also discussed. A recommendation was made to work with Stanford and Chico State to develop a groundwater model.

c. Review spring 2016 groundwater level measurements—The spring 2016 BMO groundwater level measurements and stage alert levels were reviewed. A summary spreadsheet and map were provided as handouts. The spreadsheet also provides a comparison between spring 2015 and spring 2016 measurements. The TAC members reviewed the brainstorming session handout reviewing potential recommendations that can be made to the WAC. Discussion was held regarding the three mile radius surrounding Stage 3 wells being a potential management area. Maps were shown detailing the potential options. The Stage 3 area was also compared to DWR's groundwater level change map. Another option is to clip the radius to the BMO area in which the well belonged so as not to affect a neighboring BMO area. There may be difficulty to develop actions in areas in which there is no monitoring. Some felt the three mile radius is appropriate, others felt the radius is not a legally defensible boundary. It may be beneficial to use the radius or the change map as a guide, but use road locations

or other legal descriptions instead. There are also some challenges to address wells not in a stage alert that fall within the three mile radius from a Stage 3 well. Another suggestion would be to extend the Stage 3 area to the west to the Bulletin 118 boundary. The north and south boundary to the extension would need further review and consideration. It may also be helpful to create a decision tree, similar to the one being created in the BMO revision process, to help determine which actions would be reasonable to require in a Stage 3 BMO area for further consideration at the next meeting.

- d. Well Permit application process—Some potential ideas to add to the well permit are easily added, others would be more difficult. Ideas presented in the brainstorming sessions were ideas that have been discussed previously or have been included in other County permits. All items need further discussion prior to making recommendations. Items that received positive feedback to include on a well permit include: GPS location, section/township/range, distance from edge of stream, well registration, parcel(s) served, and acres served. Items that were more negatively received include: notice to surrounding parcels, and minimum review period. Other items that will need further discussion include depth requirements, sealing requirements, casing requirements, pump test information, pumping capacity, annual summaries of water use, more detailed type of use information, permitting based on land zoning type and general plan update. Some items that seem to take care of themselves included minimum well depth and two levels of well completion through environmental health department in order to receive timely well completion reports. Handouts were provided for the TAC members to review prior to the next meeting, but were not discussed at today's meeting including a well permit application and the application review process.
- e. Export of groundwater—There was discussion highlighting the importance of moving water throughout the county to help with irrigation needs and recharge needs. Export within the basin or within the county was positively received. There was positive feedback that no export in stage three areas seems reasonable. It is important to recognize the difference between transfers and export. It was also mentioned that surface water users should not be penalized for having a dual system. Some discussion also took place regarding requiring an export permit. It was generally agreed that wells being drilled purely for the purpose of export out of the area should be discouraged. More discussion on these items is needed.
- **f.** Other topics of interest—Doug Ross addressed the committee regarding his attempt to provide information to the public
- V. COMMUNICATIONS:

None discussed.

VI. NEXT MEETING:

The next TAC meeting will be scheduled for June 2, 2016, location to be determined. The next WAC meeting is tentatively scheduled for June 14, 2016.

VII. ADJOURN

The meeting was adjourned at 4:02 p.m.

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MINUTES

Others in Attendance:

MEETING DATE:	Thursday, June 2, 2016	
TIME:	1:32 P.M.	
PLACE:	Glenn County Department of Agriculture	
	720 N. Colusa Street, Willows, CA 95988	

I. INTRODUCTIONS:

TAC Members Present:

Kevin Backus	Glenn Co. Env. Health	Lisa Hunter	Glenn Co. Ag Dept.
Matt Gomes	Glenn Co. PPWA	George Pendell	Stony Creek
Lance Boyd	PID/PCGID-South Area	Zac Dickens	GCID
Allan Fulton (1:46)	UCCE	Geoff Fulks	Cal Water
Marcie Skelton	Glenn Co. Ag Dept	Sharron Ellis	Citizen
John Brooks (1:43)	North Area	Lisa Humphreys	GCFB
Leigh McDaniel	Board of Supervisors		
Anjanette Shadley	East Area, WCWD		
Ben Pennock	Central Area		

TAC Members Absent:

Erin Smith

DWR

II. PUBLIC COMMENT: None.

III. APPROVAL OF MINUTES:

- **a.** A motion was made by Anjanette Shadley, with a second by Ben Pennock to approve the minutes of the November 2, 2015 meeting. The motion passed unanimously by members present.
- **b.** A motion was made by Ben Pennock, with a second by Lance Boyd to approve the minutes of the March 15, 2016. The motion was approved 4-0 with 3 abstentions (Matt Gomes, Anjanette Shadley, and Marcie Skelton).
- **c.** The minutes of the May 26, 2016 meeting were incomplete and were continued until the next TAC meeting.

IV. DISCUSSION AND/OR ACTION ITEMS:

a. WAC report— Lisa Hunter provided a recap of the May 26 TAC meeting. The WAC has met a few times recently and provided direction to the TAC to work with staff to draft a letter to the Board of Supervisors for WAC consideration using the following statement as a guideline prior to the next WAC meeting on June 14:

"The WAC cannot recommend that the well moratorium be continued based on lack of sound data/science and further studies are needed to be done to gather data by a third party consultant and funding is needed to complete these studies."

Discussion on drafting the letter was provided to staff. It was recommended to highlight a water budget being foundational to groundwater management. Other suggested items include adding resources to the County's water program, funding for coordination/outreach, and attaching the list of tasks and status of the task that are included in the Preliminary Plan and the Report on Groundwater Level Declines in Western Glenn County. It was also recommended to add an approximate cost of the project if known and immediate needs. Other discussion included groundwater levels, well permit moratorium and well permitting, and safe yield and sustainability of groundwater.

Staff will draft the letter for inclusion in the June WAC meeting agenda packet for WAC consideration.

- b. Review spring 2016 groundwater level measurements—The spring 2016 BMO groundwater level measurements and stage alert levels were reviewed. A summary spreadsheet and map were provided as handouts. The TAC members discussed the brainstorming session handout reviewing potential recommendations that can be made to the WAC. Discussion was held regarding the three mile radius surrounding Stage 3 wells being a potential management area. Maps were shown detailing the potential options. The Stage 3 area was also compared to DWR's groundwater level change map. Another option is to clip the radius to the BMO area in which the well belonged so as not to affect a neighboring BMO area. There may be difficulty to develop actions in areas in which there is no monitoring. A well permit moratorium as a potential action within the 3 mile radius area was discussed. Additional well permit requirements within that area were also discussed. It was the general agreement that some additional action needs to take place in the Stage 3 areas. However, some issues need to be resolved such as neighboring BMO wells in different stage alert levels, and how to address unmonitored areas, or wells that were not able to be measured, that are likely in similar conditions as the Stage 3 areas. It was the consensus of the TAC to do the following:
 - Direct staff to bring back elevation, depths, and well type of the BMO wells for TAC consideration in order to further discuss creating a clearly definable line between the conflicting "No Stage Alert" wells and Stage 3 wells in the northwest area of the County.

- Bring the 3 mile radius surrounding Stage 3 wells clipped to the appropriate BMO area to the WAC for discussion and feedback.
- Recommend monthly monitoring for wells within the Stage 3 areas.
- c. Well Permit application process—This item was continued until the next TAC meeting.
- d. Export of groundwater—This item was continued until the next TAC meeting.
- e. Other topics of interest—None.

V. COMMUNICATIONS:

None discussed.

VI. NEXT MEETING:

The next TAC meeting is tentatively scheduled for late June. The next WAC meeting is scheduled for June 14, 2016.

VII. ADJOURN

The meeting was adjourned at 4:03 p.m.

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MINUTES

MEETING DATE:	Monday, June 27, 2016
TIME:	10:00 A.M.
PLACE:	Glenn County Department of Agriculture
	720 N. Colusa Street, Willows, CA 95988

I. INTRODUCTIONS: Technical Advisory Committee Members Present X:

Leigh McDaniel **Board of Supervisors** Ben Pennock Central Area DWR Erin Smith Anjanette Shadley East Area Marcie Skelton Glenn Co. Department of Agriculture Kevin Backus Glenn Co. Environmental Health imesMatt Gomes Glenn Co. Planning and Public Works John Brooks North Area South Area Х Lance Boyd Allan Fulton UCCE

Others in Attendance:

Lisa Hunter, Glenn County Agriculture Department; George Pendell, Stony Creek

II. PUBLIC COMMENT:

None.

III. APPROVAL OF MINUTES:

The meeting minutes for the May 26, 2016 and the June 2, 2016 meetings were continued until the next TAC meeting due to lack of a quorum.

IV. DISCUSSION AND/OR ACTION ITEMS:

- **a.** WAC report— None given.
- **b.** Well Permit application process-revisions- Lisa Hunter briefly reviewed the items in the agenda packet. No actions were taken.

- **c.** BMO compliance-Stage Alert definitions and actions- Lisa Hunter briefly reviewed the items in the agenda packet. No actions were taken.
- **d.** Export of Groundwater- No discussion took place under this item.
- e. Other topics of interest—None.

V. COMMUNICATIONS:

None discussed.

VI. NEXT MEETING:

The next TAC meeting has not been scheduled. Staff will work with TAC members to set next meeting date.

The next WAC meeting is scheduled for July 12, 2016.

VII. ADJOURN

The meeting was adjourned at 10:20 a.m.

Item Introductions

Item IV.b

At the September 13, 2016 Water Advisory Committee (WAC) meeting, there was much discussion regarding the draft well permit application that was provided by the Environmental Health Department. The WAC has asked the Technical Advisory Committee (TAC) to review the draft well permit application and well application procedures. The TAC should also consider the comments made by the WAC including, but not limited to the following as it relates to the well permit application and procedures:

- e-log
- Water quality
- Well permit application: "Pump Information" section
- Well permit application: The second paragraph in the "Agreement and Signature of Owner and Well Contractor" beginning "I understand that this well..." Original and suggested text is shown below in strikeout:

"I understand that this well may become subject to further requirements and /or restrictions in order to meet groundwater management and/or sustainability goals, *including, but not limited to, metering, extraction reporting, required monitoring, reduced pumping, or revised scheduling.* I certify that I will work cooperatively with County Officials and /or Authorized Groundwater Sustainability Agency Staff and hereby *authorize them to enter this property, with prior notification,* in order to implement groundwater management and /or sustainability goals."

Below is an excerpt from the draft minutes of the September 13 meeting to elaborate on the discussions and concerns expressed at that meeting.

"Comments were made regarding the draft well permit and permit application process included in the packet. Most members felt the draft was very comprehensive and collects more information that the current application. There were questions raised about the relevance of the contractor and pumping information section. There was also concern about allowing the County to determine where a well owner would perforate their well. It was reiterated that prior to being more restrictive, collect more information. The proposed 200 foot seal may not be appropriate for all areas. Does this approach protect the people? How does this approach compile other potential issues like well to well interaction and impacts to neighbors? One size fits all is not a good approach. Some felt the Stage 3 areas should be more restrictive, while others felt that some of the Stage 3 areas may not be justifiable. The importance of accurate well mapping was also discussed, as well as the need for buffer zones. A question was asked if water quality becomes an issue if well owners are required to drill deeper. There are specialized instruments that can measure the electrical conductivity during the e-log evaluation. That could be a good indicator of water quality. There was also concern about private property rights and the ability for water users to be able to make a living. There was also some apprehension that there could be unintended consequences."

Item IV.c

Lisa Hunter will provide an update regarding the Proposition 1 grant project for data management and a conceptual hydrogeologic conceptual model in support of SGMA. The WAC has asked the TAC to consider the level of involvement the TAC should have in the grant process. If the TAC deems it appropriate, consider requesting to be more formally involved in the Proposition 1 grant process.

Item IV.d

The WAC is considering requesting that the Board of Supervisors (Board) revise the TAC membership to include a position for a well driller due to the comments they have heard at recent Board meetings. The WAC has asked the TAC to consider this potential proposal and provide feedback to the WAC.



COUNTY OF GLENN HEALTH & HUMAN SERVICES AGENCY

Christine Zoppi

Erin Valdez Deputy Director Administration Amy Lindsey Deputy Director Behavioral Health Director Bill Wathen Deputy Director

Social Services

Grinnell Norton Deputy Director Public Health Director of Nursing

Fax:

Phone: 530-934-6102

530-934-6103

Vacant Deputy Director Community Action

Environmental Health Department 247 N. Villa Avenue Willows Ca 95988

WELL APPLICATION PROCEDURES

- <u>Submit completed well application and plot plan</u> Environmental Health will not consider the well application for approval until all sections of the application have been completed and signed. Environmental Health will not consider the well application for approval until the plot plan is submitted, contains all required information, is accurate and legible. Environmental Health may waive certain sections of the application depending on the well type.
- 2. <u>Physically mark/stake location of the proposed well</u> Environmental Health shall confirm the location of the well and check required setbacks.
- 3. <u>Approved to drill well or test hole</u> If all the above requirements are satisfied, Environmental Health will approve the drilling of wells six (6) inches or smaller used exclusively for domestic or livestock purposes. If the well is larger than six (6) inches a test hole shall be drilled and the E-Log submitted to Environmental Health for review to determine the best way to seal off the top two-hundred (200) feet of the well. Once the appropriate seal is determined, Environmental Health will approve drilling of the well. (How to determine best way to seal, full 200', blank casing, transition seal????)
- 4. <u>Conductor and annular seals</u> The well driller shall contact Environmental Health at least two (2) business days prior to requesting the desired seal. Unless otherwise approved by Environmental Health all well seals shall be poured in the presence of a Registered Environmental Health Specialist.
- 5. <u>Well Completion Report</u> Upon completion of the annular well seal the well drilling contractor shall submit the well completion report to Environmental Health within 30 days.
- 6. <u>Final Approval</u> If all the above requirements have been satisfied the well will receive final approval and the process will be considered complete.

Units Constant	Tel: 530-93		
CALIFORNIA	vven Pe	ermit Application	
Applicant Information:			
Owners Name:		Phone #:	
Mailing Address:		Fax #:	
Email Address:			
Well Contractor:		Phone #:	
Well Contractor Email:		Fax #:	
Well Contractor CA C-57 Lice	ense #		
Property & Well Location	on:		
Assessor's Parcel Number:	v	Well GPS Coordinates:	
Well Longitude:	v	Nell Latitude:	
Property Address/Location:_			
Type of Work:		rest Cross Road) Repair/Deepen Test Hole Destruction	
Well Type:	Domestic Industrial Agricultural Monitoring Public Soil Boring # () Cathodic Protection Other		
Distance From Well:	Septic Tank (ft.): Leachf	field (ft.): Animal Enclosure (ft.):	
Pump Information:	Pump Contractor:	Phone #:	
	License Number:	Pump Type: Horsepower:	
Construction Detail Pro	posed:	Construction Detail Actual:	
Well Depth (ft):	_ Conductor Material:	Well Depth (ft): Conductor Material:	
Borehole Dia. (in):	_ Conductor Dia. (in):	Borehole Dia. (in): Conductor Dia. (in):	
Casing Depth (ft):	_ Conductor Depth (ft):	Casing Depth (ft): Conductor Depth (ft):	
Casing Dia. (in):	_ Seal Depth (ft):	Casing Dia. (in): Seal Depth (ft):	
Casing Material:	_ Gravel Pack: Yes 🗆 No 🗆	Casing Material: Gravel Pack: Yes 🗆 No 🗆	
Casing Gauge:	-	Casing Gauge:	
Destruction Detail:	Well Depth (ft): Well Diam	neter (in): Seal Depth (ft):	
Sealing Material:	Material: Neat Cement I 10.3 Sack, Sand Cement Concrete I		
Scaling Matchai.			

Plot Plan Requirements

Submit plot plan on a separate 8 ½ inch by 11-14 inch piece of paper. Indicate all distances in feet. Provide the names of streets or roads nearest to the property. Provide dimensions of the property, water surface features and all existing and proposed structures. Provide locations of animal enclosures, existing and proposed onsite wastewater treatment systems, including expansion and repair areas, within 300 feet of the new well. Provide locations of all other wells within 300 feet of the new well. Location information shall include all adjacent parcels, if within the setbacks.

A labelled satellite image or aerial photo (ex. Google earth) may be submitted in place of a plot plan drawing and would be preferred.

Permit Application Conditions of Approval/Notes (Official Use Only)

Agreement and Signature of Owner and Well Contractor:

I certify that I have read this application and the information described herein is correct. I agree to comply with all State and County laws, standards, ordinances, regulations and conditions related to this well, and hereby agree to obtain all required inspections of this well. I agree to contact the Environmental Health Department at least 2-business days prior to the desired inspection time(s). I agree to submit a "Well Completion Report" (if required) to the Environmental Health Department, within 60 days of well seal completion.

I understand that this well may become subject to further requirements and/or restrictions in order to meet groundwater management and/or sustainability goals, including, but not limited to, metering, extraction reporting, required monitoring, reduced pumping, or revised scheduling. I certify that I will work cooperatively with County Officials and/or Authorized Groundwater Sustainability Agency Staff and hereby authorize them to enter this property, with prior notification, in order to implement groundwater management and/or sustainability goals.

I understand every permit expires one (1) year after issuance. I further understand that if the well cannot be completed within one (1) year I may apply for an additional one (1) year extension, before the permit expires and with Environmental Health Department approval.

Sig	nature of Owner		Date
Signatu	ure of Well Contractor	-	Date
	Off	icial Use Only	
Date:	Approved to Drill Test Hole:	REHS Signature	
Date:	E-Log Received:	REHS Signature	
Date:	Approved to Drill Well:	REHS Signature	
Date:	Conductor Seal Approval:	REHS Signature	
Date:	Annular Seal Approval:	REHS Signature	
Date:	Well Log Received:	REHS Signature	
Date:	Final Approval:	REHS Signature	
Date:	Fee Paid:	Receipt #:	Rec'd by: