

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

**MINUTES**

MEETING DATE: Wednesday, April 23, 2014  
TIME: 1:30 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  
Allan Fulton                      UCCE  
Jim Donnelly                      Glenn Co. Ag Dept  
Roy Hull                              DWR  
Leigh McDaniel                      Board of Supervisors  
Matt Gomes                      Glenn Co. PPW

**Others in Attendance:**

Lisa Hunter                      Glenn Co. Ag Dept  
Christina Buck                      Butte DW&RC  
Eric Miller                      MPM Engineering  
Dan Gamon                      Kleinfelder

**TAC Members Absent:**

Lance Boyd                      South Area  
Anjanette Shadley Martin                      East Area  
Ben Pennock                      Central Area

**II. PUBLIC COMMENT:**

None.

**III. APPROVAL OF MINUTES:**

- a. The minutes of the August 6, 2013 meeting were approved as mailed.

**IV. DISCUSSION AND/OR ACTION ITEMS:**

- a. WAC report

The committee met in December 2013 and February 2014. Ad hoc committee report was presented to the Board of Supervisors and Glenn County Farm Bureau. Updates were given. Additional items discussed included California Statewide Groundwater Elevation Monitoring (CASGEM), groundwater management, recharge, abnormal groundwater level reports, and modeling.

- b. Review and discuss spring 2014 groundwater level measurements

The committee reviewed the spring measurements and discussed recommendations to the Water Advisory Committee. Discussion included Basin Management Objectives (BMOs) and target

levels set for BMO areas, BMO actions, using groundwater level measurements as supporting documents tied to BMO actions, and subsidence surveys. Item d.2. was discussed in conjunction with this item. A recommendation and request for guidance regarding Spring groundwater levels and BMOs will be forwarded to the WAC.

c. Review and discuss potential 2014 water transfers

Some verbal reports of potential transfers have been conveyed. The majority of the water will stay within the County. No official documentation has been provided. High priced water has been purchased along the Tehama-Colusa Canal Authority districts. Actual costs decreased from previous projected costs, but will be approximately \$400 per AF delivered.

d. Draft Ad Hoc Committee Report

1. Discuss and consider water well permit updates

This item was tabled until a later date.

2. Discuss and consider BMO revisions

See also item b. An overall summary of the ad hoc committee report was given. The ad hoc committee report suggestions, current actions in the BMO compliance language, potential actions, potential direction from the WAC, and town hall meetings were discussed.

3. Discuss Voluntary Groundwater Users Cooperative

Also discussed under item b. A draft concept was distributed. Alternative energy sources and Time of Use issues were also discussed. Economics to the growers is a key factor in the success of voluntary actions.

e. Discuss increased coordination with other Counties/agencies for groundwater management

Also discussed under item b. Integrated regional water management group, coordination with other counties, potentially adding messages to water users by using inserts to water company billings, and outreach through the UC extension office were also considered.

f. Other topics of interest

None

V. COMMUNICATIONS:

VI. NEXT MEETING:

a. The next TAC meeting was not scheduled.

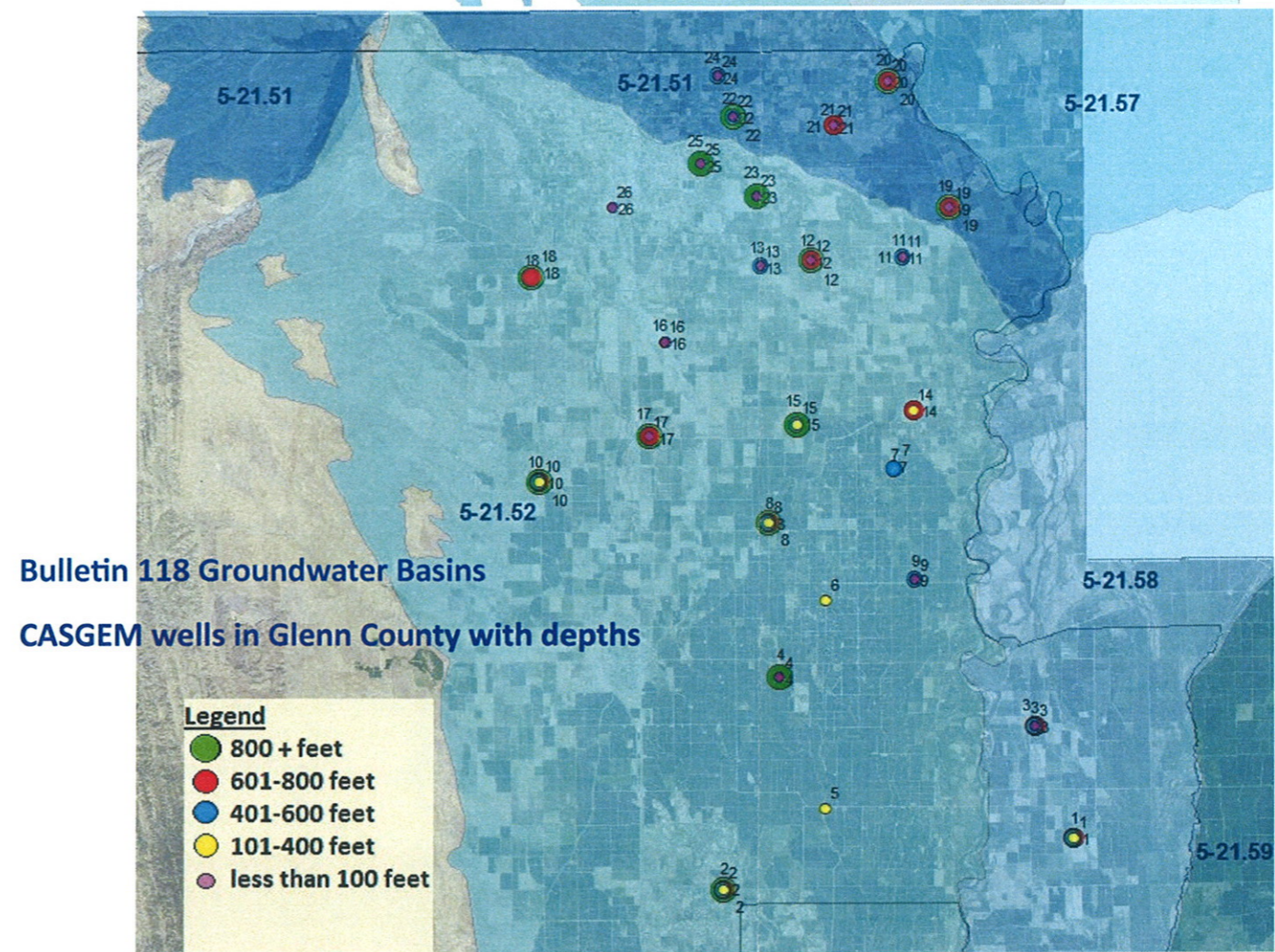
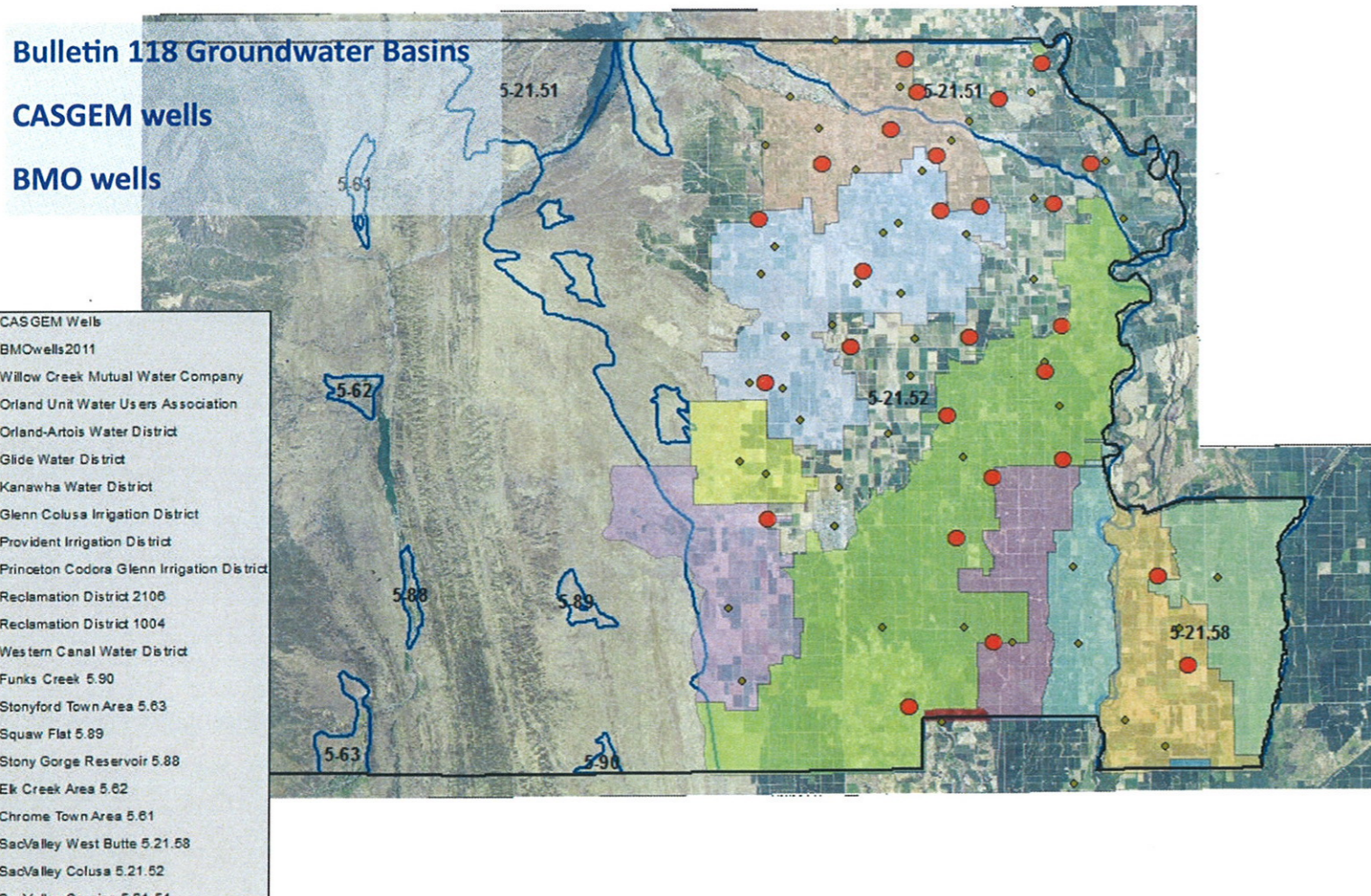
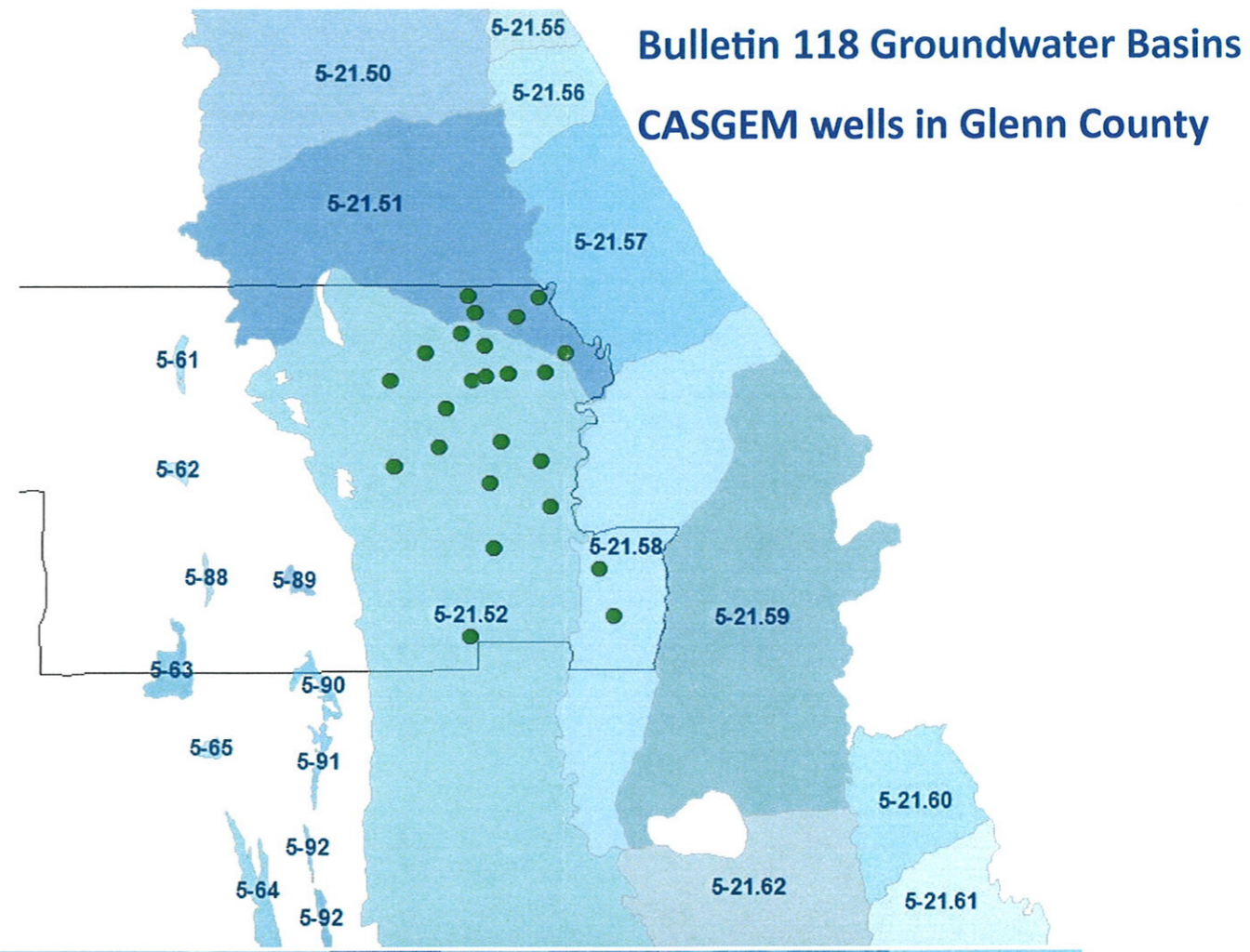
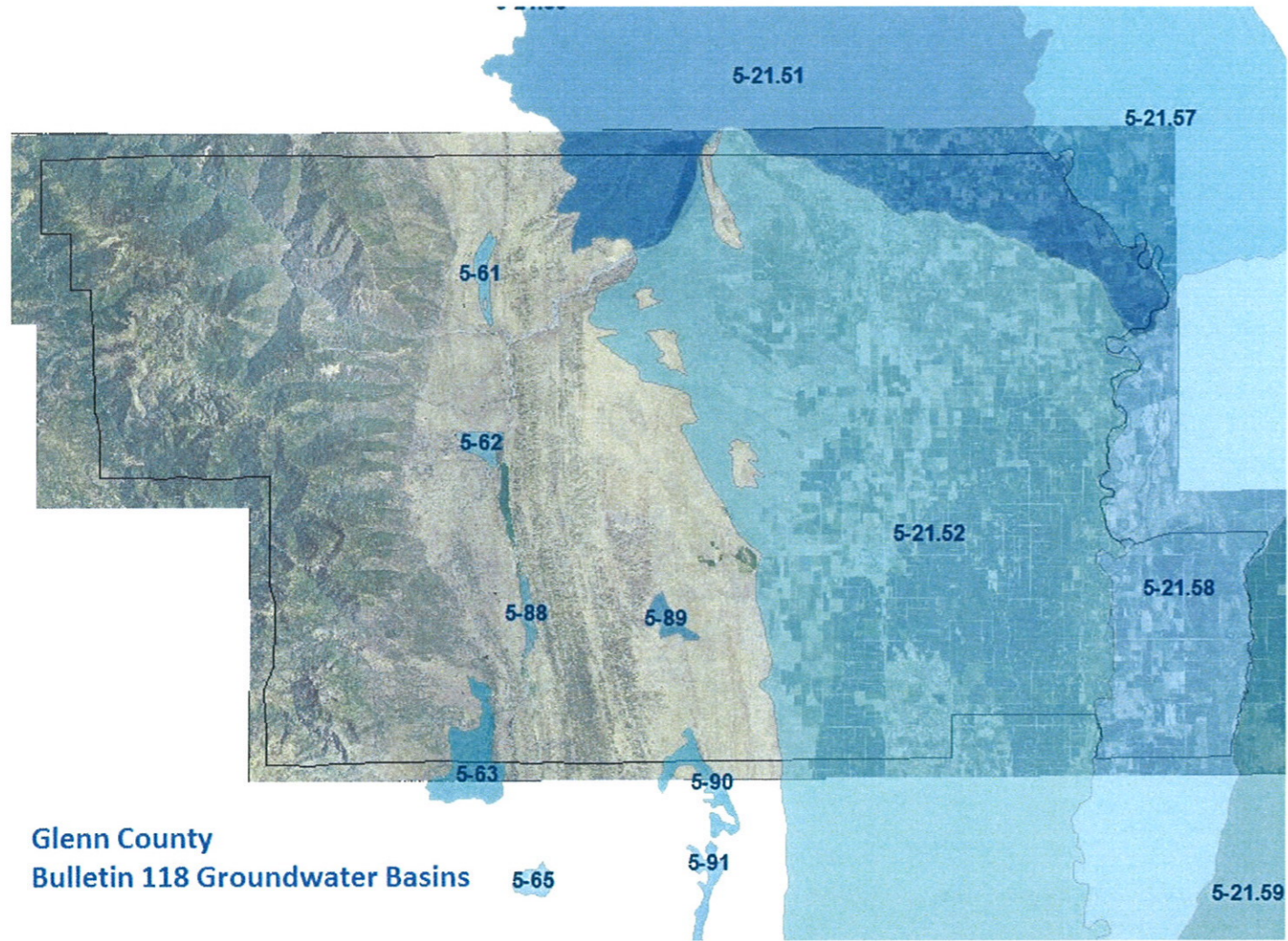
b. The next WAC meeting is scheduled for May 6, 2014 at 1:30 pm at the Glenn-Colusa Irrigation District conference room at 344 East Laurel St, Willows, California 95988.

VII. ADJOURN

The meeting was adjourned at 4:00 p.m.

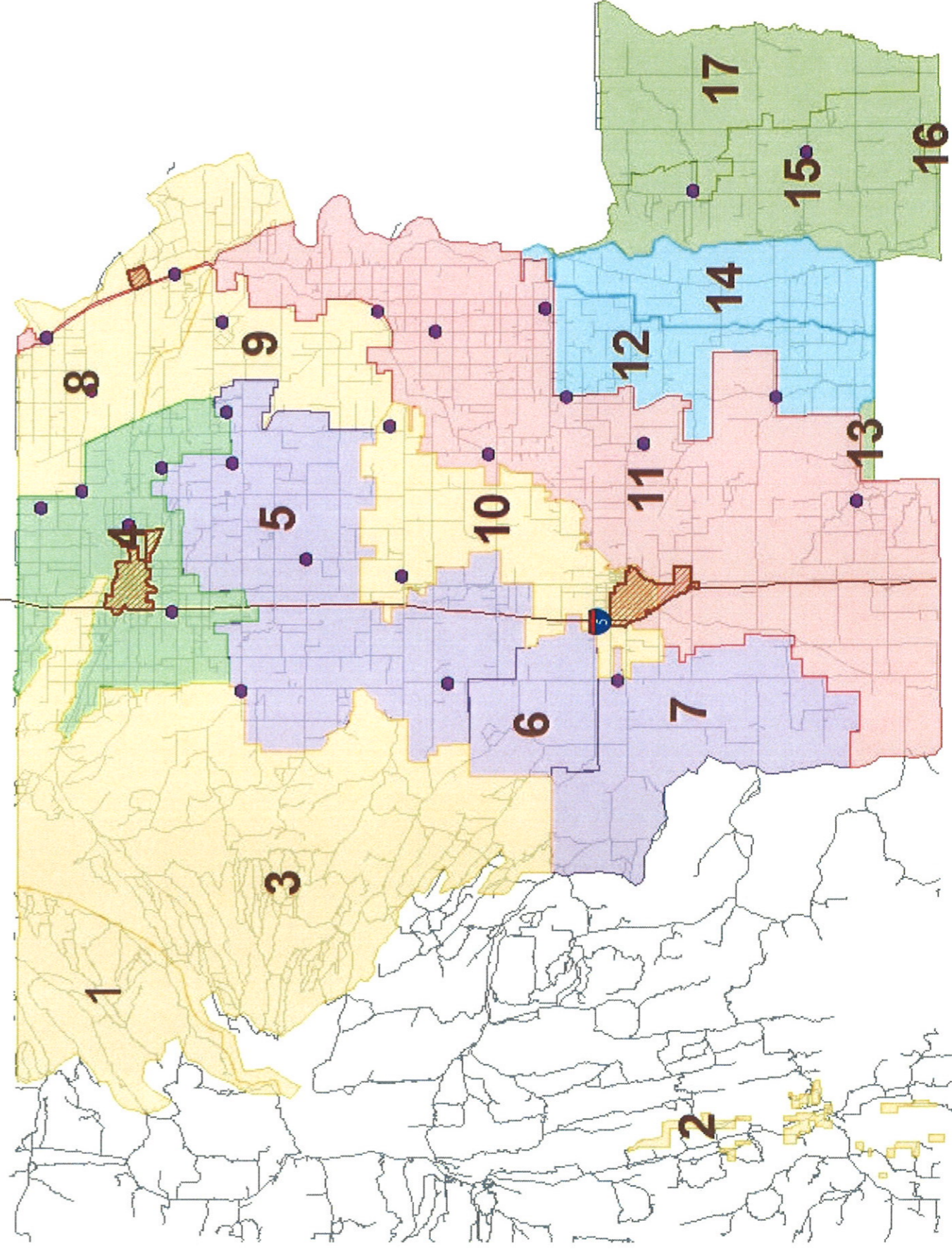
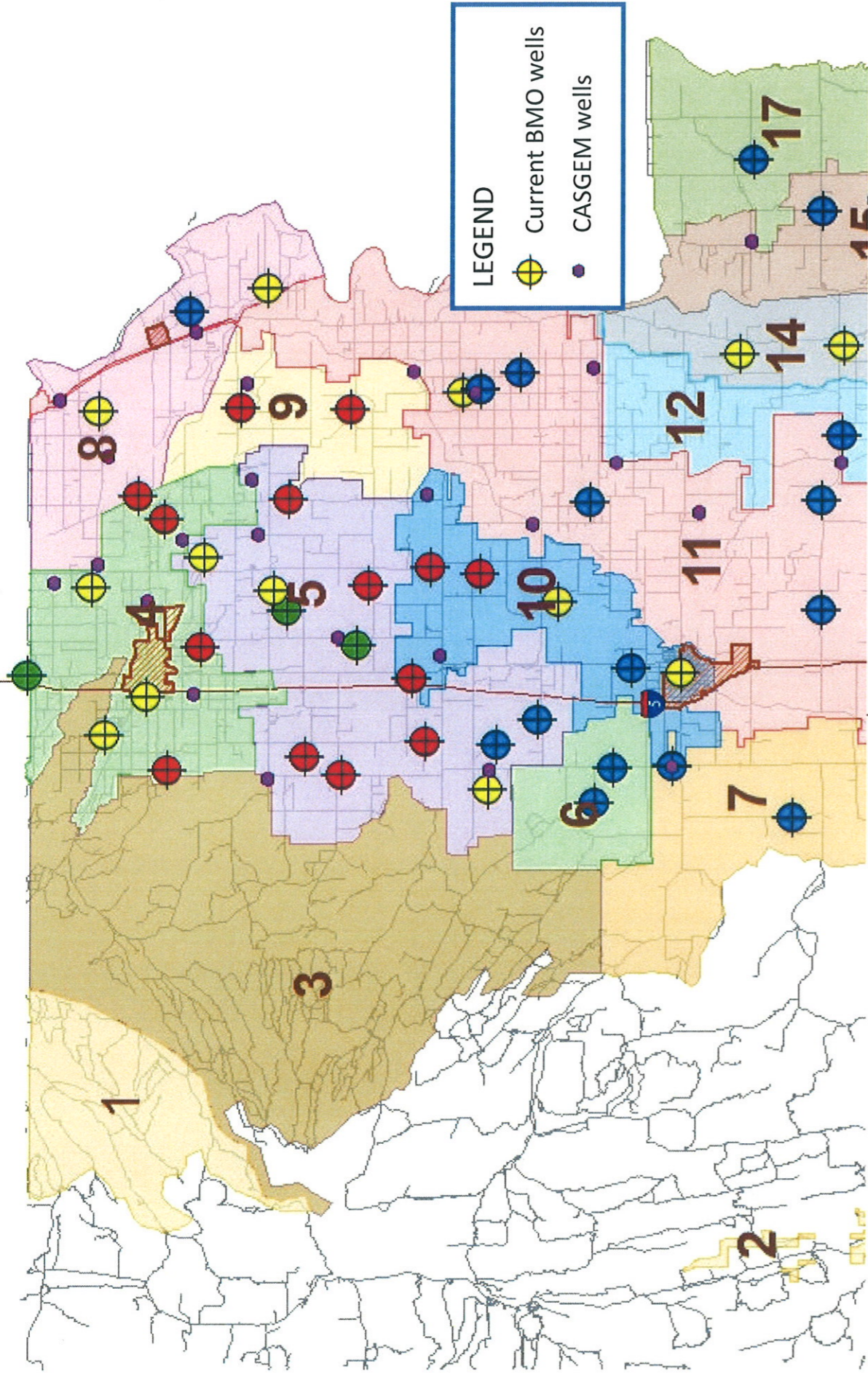








BMO revision thoughts



Areas shaded by WAC representation. Wells shown are CASGEM wells.





# Glenn County Environmental Health Department

257 N. Villa Avenue, Willows, CA 95988  
Tel: 530-934-6102 Fax: 530-934-6103

## Well Construction/Destruction Permit Application

A plot plan shall be submitted on a separate 8 1/2" x 11" Sheet of paper.

### Applicant Information

Well Permit # \_\_\_\_\_

Owners Name: _____	APN: _____
Mailing Address: _____	Phone #: _____
Email Address: _____	Fax #: _____
Well Contractor*: _____	License #: _____
*Well contractor must be C-57 licensed.	Phone #: _____
Contractor's Email: _____	Fax #: _____
Property Location: _____	

(Please provide nearest cross road)

TYPE OF WORK:      Construction       Repair       Destruction

### Well Type:

- Domestic Water Supply
- Industrial Water Supply
- Agricultural Well
- Monitoring Well
- Public Water Supply
- Soil Boring
- Other

### Construction Details:

<u>Proposed:</u>	<u>Actual:</u>
Depth: _____	Depth: _____
Casing Diameter: _____	Casing Diameter: _____
Seal Depth: _____	Seal Depth: _____

*Seal shall extend at least 5 feet into or through a clay layer.*

### Distance From Well to:

Septic Tank (ft.): \_\_\_\_\_

Leachfield (ft.): \_\_\_\_\_

Confined Animal Facility (ft.): \_\_\_\_\_

Gravel Pack Yes  No  Casing Material: \_\_\_\_\_ Sealing Material: \_\_\_\_\_

### Signature of Owner or Contractor

*I certify that I have read this application and the above information is correct. I agree to comply with all laws relating to this construction, and hereby agree to obtain all required inspections of the well. I agree to provide this department with a minimum of 48 hours prior notification before desired inspection time(s). Every permit expires one year after issuance. If the permittee cannot complete the work within one year, and applies for an extension before the permit expires, the health officer may extend the permit for one additional year.*

\_\_\_\_\_  
Signature of Owner or Contractor

\_\_\_\_\_  
Date

### Conditions of Approval

Date: \_\_\_\_\_ Permit Approval: \_\_\_\_\_  
Glenn County Environmental Health Department

Date: \_\_\_\_\_ Final Approval: \_\_\_\_\_  
Glenn County Environmental Health Department

Rec'd by: \_\_\_\_\_ Receipt #: \_\_\_\_\_ Paid: \_\_\_\_\_ Date: \_\_\_\_\_

DRAFT

Subarea	Period of Record	Spring/Fall	Define-Stage 1 AVG/Low	Determination	Compliance-Stage 1	Period of Record	Spring/Fall	Define-Stage 2 AVG/Low	Determination	Compliance-Stage 2	Period of Record	Spring/Fall	Define-Stage 3 AVG/Low	Determination	Compliance-Stage 3	Rescind alerts
1	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A
2	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A
3	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A	N/A	N/A	None	None	N/A
4	at least 1976	Spring	Average	Average Spring-1 standard deviation	Inform WAC, notify public	at least 1976	Spring	Average	2nd and subsequent sequential years when level is below spring average-1 standard deviation	informational-report to WAC and public; investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely).	at least 1976	Spring	Average	Average Spring-2 standard deviation	Informational-Report to WAC and Public; Investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely); Actionable-WAC to work with local and adjoining BMO areas, implement adaptive management activities necessary to correct issue.	Stage 1, 2, and 3 shall be rescinded when measured groundwater surface elevations return to an elevation above 1 standard deviation for the corresponding BMO key well
5	at least 1976	Spring	Average	Average Spring-1 standard deviation	Inform WAC, notify public	at least 1976	Spring	Average	2nd and subsequent sequential years when level is below spring average-1 standard deviation	informational-report to WAC and public; investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely).	at least 1976	Spring	Average	Average Spring-2 standard deviation	Informational-Report to WAC and Public; Investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely); Actionable-WAC to work with local and adjoining BMO areas, implement adaptive management activities necessary to correct issue.	Stage 1, 2, and 3 shall be rescinded when measured groundwater surface elevations return to an elevation above 1 standard deviation for the corresponding BMO key well
6	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	N/A
7	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	?	Monthly	Average	Average reading of 3 monitoring wells of 100 feet from ground surface to water surface with wells not operating for a minimum of 24-hour period.	None	N/A
8	at least 1976	Spring	Average	Average Spring-1 standard deviation	Inform WAC, notify public	at least 1976	Spring	Average	2nd and subsequent sequential years when level is below spring average-1 standard deviation	informational-report to WAC and public; investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely).	at least 1976	Spring	Average	Average Spring-2 standard deviation	Informational-Report to WAC and Public; Investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely); Actionable-WAC to work with local and adjoining BMO areas, implement adaptive management activities necessary to correct issue.	Stage 1, 2, and 3 shall be rescinded when measured groundwater surface elevations return to an elevation above 1 standard deviation for the corresponding BMO key well
9	at least 1976	Spring	Average	Average Spring-1 standard deviation	Inform WAC, notify public	at least 1976	Spring	Average	2nd and subsequent sequential years when level is below spring average-1 standard deviation	informational-report to WAC and public; investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely).	at least 1976	Spring	Average	Average Spring-2 standard deviation	Informational-Report to WAC and Public; Investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely); Actionable-WAC to work with local and adjoining BMO areas, implement adaptive management activities necessary to correct issue.	Stage 1, 2, and 3 shall be rescinded when measured groundwater surface elevations return to an elevation above 1 standard deviation for the corresponding BMO key well
10	at least 1976	Spring	Average	Average Spring-1 standard deviation	Inform WAC, notify public	at least 1976	Spring	Average	2nd and subsequent sequential years when level is below spring average-1 standard deviation	informational-report to WAC and public; investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely).	at least 1976	Spring	Average	Average Spring-2 standard deviation	Informational-Report to WAC and Public; Investigational-WAC direct TAC to investigate, determine possible cause, recommend how to address. TAC present to WAC (timely); Actionable-WAC to work with local and adjoining BMO areas, implement adaptive management activities necessary to correct issue.	Stage 1, 2, and 3 shall be rescinded when measured groundwater surface elevations return to an elevation above 1 standard deviation for the corresponding BMO key well

DRAFT

Subarea	Period of Record	Spring/Fall	Define-Stage 1 AVG/Low	Determination	Compliance-Stage 1	Period of Record	Spring/Fall	Define-Stage 2 AVG/Low	Determination	Compliance-Stage 2	Period of Record	Spring/Fall	Define-Stage 3 AVG/Low	Determination	Compliance-Stage 3	Rescind alerts
11	varies	Fall	Mean	One standard deviation below mean water level and above lowest level recorded for that well	May include increased monitoring frequency and distribution (determine unique or regional problem). Well recovery monitored during following spring.	varies	Fall	Mean	a year following after a Stage 1 alert has been issued if one of the following occurs: 1. Spring groundwater levels have not recovered to that of the previous spring level and the Sacramento River Index is less than or equal to 6.5 (dry year) OR 2. Spring groundwater levels have not recovered to that of the previous spring level and surface water deliveries are forecasted to be curtailed OR 3. the well's fall water level reading show continued decline beyond the previous fall water level.	Investigation to determine the extent of the problem (local or regional) and implement appropriate measures to reduce negative impacts of the problem. Appropriate measures may include voluntary water conservation plans, "in-lieu" groundwater recharge or other methods to reduce groundwater extraction until water levels recover.	varies	Fall	Mean	Groundwater levels fall below the lowest historical level since 1975 after a Stage 2 alert has occurred.	More aggressive than previous stages and should include mandatory conservation measures, implementing active recharge programs or prohibiting any groundwater export programs outside the basin.	not stated
12	varies	Spring	Average	first year that groundwater levels fall below the average groundwater level established for the well and still above the lowest record for the well	TAC report to WAC	varies	Spring	Average	Groundwater levels remain below the average groundwater level established for the well and still above the lowest record for the well for a second consecutive year.	TAC report to WAC	varies	Spring	Average	Groundwater levels fall below the lowest historic water level since 1975.	TAC report to WAC	not stated
13	varies	Spring	Average	first year that groundwater levels fall below the average groundwater level established for the well and still above the lowest record for the well	TAC report to WAC	varies	Spring	Average	Groundwater levels remain below the average groundwater level established for the well and still above the lowest record for the well for a second consecutive year.	TAC report to WAC	varies	Spring	Average	Groundwater levels fall below the lowest historic water level since 1975.	TAC report to WAC	not stated
14	varies	Spring	Average	first year that groundwater levels fall below the average groundwater level established for the well and still above the lowest record for the well	TAC report to WAC	varies	Spring	Average	Groundwater levels remain below the average groundwater level established for the well and still above the lowest record for the well for a second consecutive year.	TAC report to WAC	varies	Spring	Average	Groundwater levels fall below the lowest historic water level since 1975.	TAC report to WAC	not stated
15	varies	Spring		Spring groundwater elevation is below Line A for the corresponding BMO key well	TAC report to WAC				2nd and subsequent sequential years when spring groundwater surface elevation is below Line A. The WAC may issue a Stage 2 Alert during a first year of non-compliance if the situation warrants.	TAC report to WAC				Spring groundwater surface elevation is below the elevation specified by Line B for a corresponding BMO key well	TAC report to WAC	Stage 1 and 2 alert shall be rescinded by the WAC when all measured Spring groundwater surface elevations return to an elevation above Line A for the corresponding BMO key wells. Stage 3 shall be rescinded when measured Spring groundwater surface elevation return to an elevation above Lines B and A for the corresponding BMO key wells. A stage 3 may be down-graded to a stage 2 alert if all the measured Spring groundwater elevations are above Line B but remain below the compliance elevation specified by Line A.
16	N/A	N/A	N/A	None, BMO key wells will serve as a surrogate provisionally (18N01W22L001M)	None	N/A	N/A	N/A	None, BMO key wells will serve as a surrogate provisionally (18N01W22L001M)	None	N/A	N/A	N/A	None, BMO key wells will serve as a surrogate provisionally (18N01W22L001M)	None	N/A
17	varies	Spring		Spring groundwater elevation is below Line A for the corresponding BMO key well	TAC report to WAC	varies	Spring		2nd and subsequent sequential years when spring groundwater surface elevation is below Line A and below the previous Spring groundwater surface elevation. The WAC may issue a Stage 2 Alert during a first year of non-compliance if the situation warrants.	TAC report to WAC	varies	Spring		Spring groundwater surface elevation is below the elevation specified by Line B for a corresponding BMO key well	TAC report to WAC	Stage 1 and 2 alert shall be rescinded by the WAC when all measured Spring groundwater surface elevations return to an elevation above Line A for the corresponding BMO key wells. Stage 3 shall be rescinded when measured Spring groundwater surface elevation return to an elevation above Lines B and A for the corresponding BMO key wells. A stage 3 may be down-graded to a stage 2 alert if all the measured Spring groundwater elevations are above Line B but remain below the compliance elevation specified by Line A.

Adaptive Management shall include, but not limited to: voluntary water conservation measures, redistribution or reduction of groundwater extraction, and/or other measure(s) referred to or identified in Ordinance 1115 as recommended by the WAC and approved by the BOS