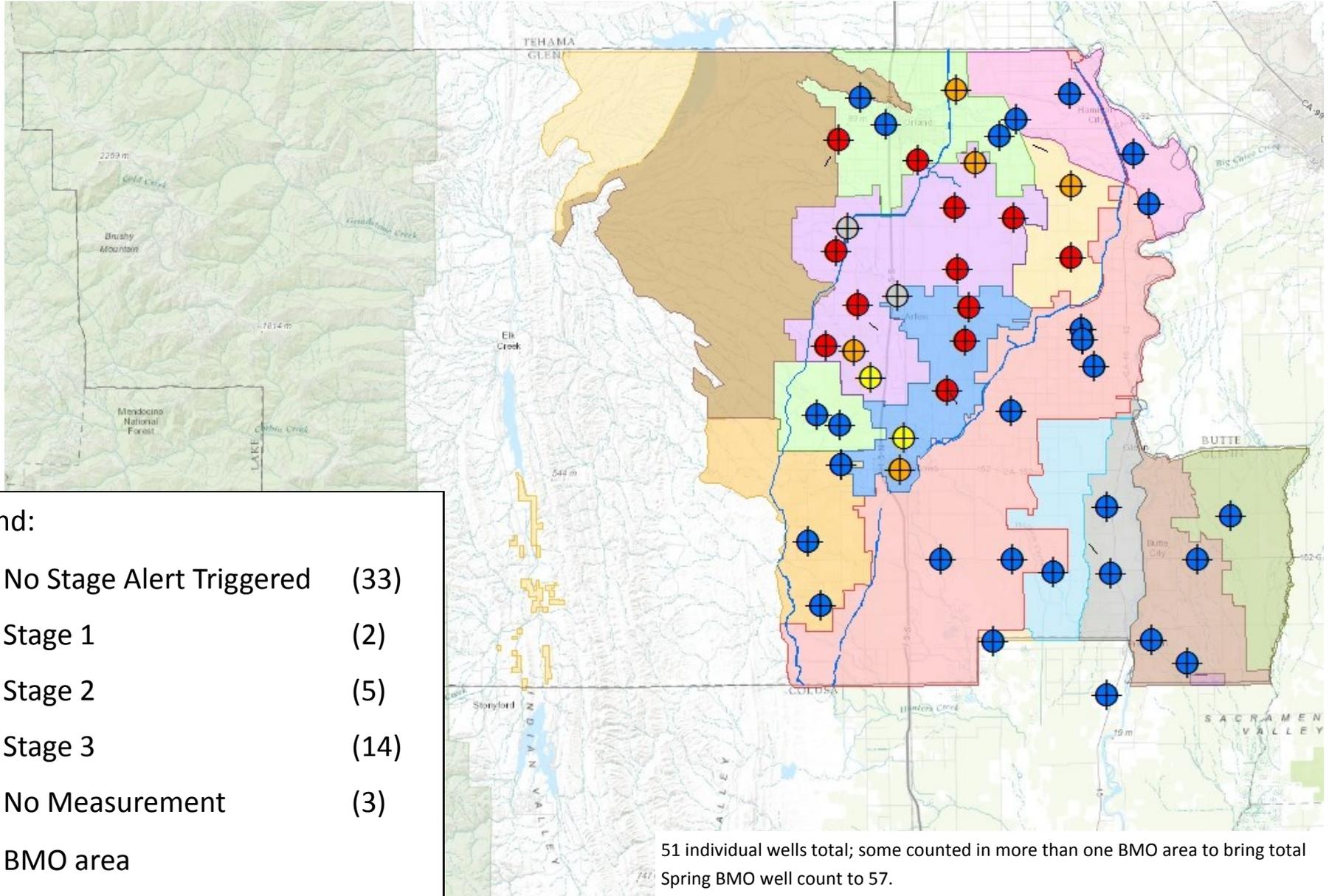


# Spring 2016 Groundwater Level

## Basin Management Objective Stage Alert Map



**GLENN COUNTY SPRING BMO'S STAGE ALERTS 2016**

State Well Number	Road Location	Subarea	Current Year Measurement Date	Current Year Reference Point to Water Surface	Current Reference Point Elevation	Ground Surface Elevation	2016 Water Surface Elevation	2015 Water Surface Elevation	2014 Water Surface Elevation	Stage 1 & 2 Alert	Stage 3 Alert	Difference from 2015 to 2016
21N03W33A004M	Rd 31 & Hwy 99W	10; BOS Dist 3	3/16/2016	NM	176.45	176.45	NM	93.44	107.98	130.2	117.2	NA
21N02W31M001M	Rd P & N/Rd 33	10; BOS Dist 3	3/17/2016	51.58	164.53	163.43	112.95	118.68	119.33	130.3	122.4	-5.7
20N03W12C001M	Rd 35 & Rd P	10; BOS Dist 3	3/17/2016	49.8	162.43	161.43	112.63	116.33	116.93	125.7	117.7	-3.7
20N03W23G002M	S/Rd 39 & W/Rd P	10; BOS Dist 3	3/15/2016	37.9	149.43	148.43	111.53	118.53	117.39	118.2	112	-7.0
20N03W33J001M	Rd J & S/Rd 45	10; BOS Dist 3	3/16/2016	22.78	139.74	138.44	116.96	122.39	123.02	118.6	110.5	-5.4
CALWater 002-01	Willows	10; BOS Dist 3	Feb-16	19	134	134	115.00	114.00	115.00	117.4	113.2	1.0
21N02W02B002M	Rd V V & Rd 24	9; BOS Dist 5	3/17/2016	30.9	163.01	162.56	132.11	128.21	125.18	136.1	130.3	3.9
21N02W09M002M	Rd S & S/Rd 25	9; BOS Dist 5	3/17/2016	56.8	181.92	181.42	125.12	NM	131.42	142	132.8	NA
21N02W23G001M	Rd 29 & Rd V	9; BOS Dist 5	3/17/2016	36.4	154.9	154.4	118.50	119.60	117.10	125.1	118.7	-1.1
21N01W04N001M	S/Rd 23 & Rodgers Ranch Road	8; East Corning Basin	3/16/2016	18.33	137.68	137.38	119.35	116.39	114.60	114.9	111	3.0
22N02W11Q001M	Rd 9 & Btwn 1st & 2nd Aves	8; East Corning Basin	3/16/2016	25.97	166.8	166.4	140.83	134.07	135.69	139.2	133.5	6.8
22N01W29K001M	Rd 206 & S/Hamilton City	8; East Corning Basin	3/16/2016	15.79	144.88	144.38	129.09	124.86	124.29	119.5	112.1	4.2
21N03W31H001M	Rd F & S/Rd 31	5; Orland/Artois	3/15/2016	109.67	189.94	189.46	80.27	89.10	101.00	123.8	106.3	-8.8
20N03W07K003M	Rd D & Rd 35	5; Orland/Artois	3/16/2016	67.7	168.46	168.46	100.76	109.96	119.73	118.5	99.9	-9.2
20N03W17P001M	Rd 39 & Rd H	5; Orland/Artois	3/15/2016	41.3	156.95	155.45	115.65	126.05	132.65	125	110.2	-10.4
20N04W12F002M	Rd D & S/Rd 35	5; Orland/Artois	3/15/2016	78.52	189.97	189.47	111.45	120.48	126.7	136.3	115.2	-9.0
21N03W18B002M	Rd 28 & Rd F	5; Orland/Artois	3/16/2016	NM	224.48	224.08	NM	64.20	83.22	132.7	113.2	NA
21N04W24A002M	Rd 25 & Rd D	5; Orland/Artois	DISCONTINUED		230.5	230	NM	NM	NM	125.1	107.4	NA
21N04W24A003M	Rd 25 & Rd D	5; Orland/Artois	3/16/2016	169.47	231.5	230	62.03	71.87	86.700	125.1	107.4	-9.8
22N02W31C001M	Rd 20 & Rd P	5; Orland/Artois	3/16/2016	33.15	206.43	205.43	173.28	173.12	175.71	180.1	171.7	0.2
21N03W12C002M	Rd 25 & Rd NN	5; Orland/Artois	3/17/2016	48	206.44	204.44	158.44	162.41	163.64	171	163	-4.0
21N03W11G001M	Rd 25 & W/Rd N	5; Orland/Artois	DISCONTINUED		NM	202.44	NM	NM	NM	170.1	161.5	NA
22N03W34A001M	Rd 20 & Rd M	5; Orland/Artois	3/16/2016	22.7	235.95	235.45	213.25	211.25	213	217.8	213.5	2.0
21N03W22H001M	N/ Rd 30 & W/Rd M	5; Orland/Artois	DISCONTINUED		NM	204.45	NM	114.29	NM	149.9	139.1	NA
21N02W09M002M	Rd S & S/Rd 25	5; Orland/Artois	3/17/2016	56.8	181.92	181.42	125.12	NM	131.42	142	132.8	NA
21N03W24P001M	N/Rd 30 & W/Rd P	5; Orland/Artois	3/15/2016	66.3	181.08	180.43	114.78	NM	122.08	135.8	123.7	NA
22N03W03D001M	Rd 3 & Hwy 99W	4; Orland Unit Water Users A	DISCONTINUED		NM	270.97	NM	NM	NM	188.7	182.5	NA
22N03W17E001M	N/Rd 200 & Cedar Ave	4; Orland Unit Water Users A	3/16/2016	13.5	284.99	285.49	271.49	270.99	265.29	267.2	263.7	0.5
22N03W12Q003M	Rd O & Rd 9	4; Orland Unit Water Users A	3/16/2016	39.3	232.94	232.44	193.64	190.04	189.74	195.1	188.3	3.6
22N03W21F002M	Rd 14 & Rd HH	4; Orland Unit Water Users A	3/16/2016	24.4	265.47	264.47	241.07	240.27	235.41	238.7	234.5	0.8
22N03W30C001M	Rd DD & Btwn Rds 15 & 17	4; Orland Unit Water Users A	3/16/2016	131.52	287.99	287.49	156.47	162.70	169.34	186.6	176.8	-6.2
22N02W20Q001M	Rd 16 & Rd XX	4; Orland Unit Water Users A	3/16/2016	16.23	201.93	201.43	185.70	184.07	175.02	183.8	179.2	1.6
22N02W21D001M	6th Ave & N/Hwy 32	4; Orland Unit Water Users A	3/16/2016	27.2	200.92	200.42	173.72	NM	158.92	170.8	164.9	NA
22N03W34A001M	Rd 20 & Rd M	4; Orland Unit Water Users A	3/16/2016	22.7	235.95	235.45	213.25	211.25	213.00	217.8	213.5	2.0
19N02W29Q001M	Rd 60 & Rd SS	11; Glenn-Colusa	3/15/2016	1.16	92.42	92.42	91.26	88.04	89.61	85.1	75.1	3.2
19N03W26P001M	Rd 60 & E/Hwy 99W	11; Glenn-Colusa	3/15/2016	5.6	103.43	100.43	97.83	98.43	98.83	94.7	89.2	-0.6
20N02W02J001M	Rd 34 & Rd W	11; Glenn-Colusa	3/15/2016	7.36	127.9	127.4	120.54	114.71	115.89	115.9	112.4	5.8

**GLENN COUNTY SPRING BMO'S STAGE ALERTS 2016**

State Well Number	Road Location	Subarea	Current Year Measurement Date	Current Year Reference Point to Water Surface	Current Reference Point Elevation	Ground Surface Elevation	2016 Water Surface Elevation	2015 Water Surface Elevation	2014 Water Surface Elevation	Stage 1 & 2 Alert	Stage 3 Alert	Difference from 2015 to 2016	
20N02W11A001M	Rd 35 & Rd W	11; Glenn-Colusa	3/15/2016	4.1	125.9	125.4	121.80	114.20	116.15	114.6	108	7.6	
20N02W11A002M	Rd 35 & Rd W	11; Glenn-Colusa	3/15/2016	11.52	125.4	125.4	113.88	109.42	110.43	108.7	88.8	4.5	
20N02W11A003M	Rd 35 & Rd W	11; Glenn-Colusa	3/15/2016	18.02	125.9	125.4	107.88	99.30	105.48	96.5	72.7	8.6	
20N02W13G001M	Rd 37 & Rd W W	11; Glenn-Colusa	3/15/2016	1.97	115.8	115.4	113.83	109.52	110.72	107.5	105.6	4.3	
20N02W29G001M	Rd S & Rd 44	11; Glenn-Colusa	3/15/2016	6.27	119.92	119.42	113.65	112.24	112.09	109.2	107.5	1.4	
19N02W13J001M	Rd 56 & Btwn Hwy 45 & Rd WW	12; Provident ID	3/15/2016	10.14	88.99	88.39	78.85	76.96	76.80	78	72	1.9	
18N02W36B001M	Dodge Road & W/Hwy 45 (South of	12; Provident ID	3/15/2016	9.7	76	75.4	66.30	63.60	61.90	65	60	2.7	
19N02W34F001M	Rd 61 & Rd U	12; Provident ID	3/15/2016	2.95	86.9	85.4	83.95	80.89	82.32	79	76	3.1	
19N02W36H001M	Rd 61 & Btwn Hwy 45 & Rd WW	12; Provident ID	3/15/2016	7.1	84.79	83.79	77.69	74.39	74.15	75	70	3.3	
19N02W13J001M	Rd 56 & Btwn Hwy 45 & Rd WW	14; Princeton-Codora-Glenn	3/15/2016	10.14	88.99	88.39	78.85	76.96	76.80	78	72	1.9	
18N02W36B001M	Dodge Road & W/Hwy 45 (South of	14; Princeton-Codora-Glenn	3/15/2016	9.7	76	75.4	66.30	63.60	61.90	65	60	2.7	
19N02W34F001M	Rd 61 & Rd U	14; Princeton-Codora-Glenn	3/15/2016	2.95	86.9	85.4	83.95	80.89	82.32	79	76	3.1	
19N02W36H001M	Rd 61 & Btwn Hwy 45 & Rd WW	14; Princeton-Codora-Glenn	3/15/2016	7.1	84.79	83.79	77.69	74.39	74.15	75	70	3.3	
KWD-1		7; Kanawha Water District	Mar-16	27	154.3	154	127.30	130.30	137.3	*OTHER METHOD		-3.0	
KWD-2		7; Kanawha Water District	Mar-16	26	161.35	160	135.35	143.35	145.35	*OTHER METHOD		-8.0	
KWD-3		7; Kanawha Water District	Mar-16	16	140.4	139	124.40	126.40	115.4	*OTHER METHOD		-2.0	
GWD-1		6; Glide Water District	Mar-16	50	156.75	156	106.75	107.75	125.75	*OTHER METHOD		-1.0	
GWD-2		6; Glide Water District	Mar-16	77	158.2	158	81.20	126.20	132.2	*OTHER METHOD		-45.0	
GWD-3		6; Glide Water District	Mar-16	48	174.75	174	126.75	145.75	151.75	*OTHER METHOD		-19.0	
19N01W15D001M	Rd Y & S/Rd 50	15 & 16; RD 2106 & 1004	DISCONTINUED	NM	95.73	93.38	NM	NM	NM	78	75	NA	
19N01W27R001M	Hwy 162 & Rd Y	15 & 16; RD 2106 & 1004	3/15/2016	14.9	83.88	83.38	68.98	73.88	72.18	67	63	-4.9	
18N01W17G001M	Levee Rd & S/Rd 67	15 & 16; RD 2106 & 1004	3/15/2016	16	81.39	81.39	65.39	63.54	62.29	61	55	1.9	
18N01W22L001M	Rd 69 & Rd Y	15 & 16; RD 2106 & 1004	3/15/2016	7.8	72.89	72.39	65.09	NM	66.39	63	61	NA	
18N01E05D001M	S/Hwy 162 & E/Rd Z	17; Western Canal	3/16/2015	NM	77.66	77.36	NM	70.63	73.61	64	62	NA	
19N01W13Q001M	Hwy 162 & Rd Z	17; Western Canal	3/15/2016	2	85.9	85.9	83.90	82.40	82.90	78	73	1.5	
18N02W18K001M**	Norman Rd & Lambert Lane	13; Willow Creek Mutual	10/14/2015	NM	83.22	83.42		NM	NM	80.5	61.5	NA	
												Max decrease	-45.0
												Max increase	8.6

\*OTHER METHOD MEANS AN AVERAGE READING FOR THE 3 MONITORING WELLS OF 100 FEET FROM THE GROUND SURFACE TO GROUNDWATER SURFACE WITH WELLS NOT OPERATING FOR A

From Board Of Supervisors April 19, 2016 meeting  
Direction given by the Board for the WAC/TAC ad hoc committees to provide  
comment on this document provided by the Board

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## **PROPOSED OUTLINE OF GLENN COUNTY GROUNDWATER MANAGEMENT/WELL PERMITTING ORDINANCE**

**Until Glenn County and the other prospective county GSAs form an effective ground water management organization and a county wide GSP (Groundwater Sustainability Plan) is in place along with corresponding GSP regulations, the following well permitting regulations will apply.**

1) No export wells or production wells allowed county wide.

2) Well drilling outside of Water and/or Irrigation Districts.

For wells drilled West of Hwy 99, North of Road 33, North of Hwy 32, and below (less than) 400 feet mean sea level, the following limitations apply:

Domestic and livestock wells (wells 6 inch diameter or smaller) shall have exclusive access to the first 300 feet below ground level.

Ag and Industrial wells are limited to depths greater than 350 feet below ground level, and must be solid cased to that level.

For wells drilled in all other county locations, the following limitations apply:

Domestic and livestock wells (wells 6 inch diameter or smaller) shall have exclusive access to the first 200 feet below ground level.

Ag and Industrial wells are limited to depths greater than 250 feet below ground level, and must be solid cased to that level.

3) Well drilling inside of Water and/or Irrigation Districts.

Wells drilled inside Districts must prove a need for water in excess of the available surface water supply. Proposed water to be sold and/or exported/transported outside of the water or irrigation district will not be considered to support a need for water in excess of the available surface water supply.

Applicant must demonstrate a district water shortage over a 5 year rolling average, with inadequate water supply from the District in 3 of the 5 years to be issued a well drilling permit(s). Water sold and/or exported/transported outside of the water or irrigation district will be counted/factored into the formula to determine the 5 year rolling average and/or the inadequate water supply for 3 of the 5 years.

4) Permits will be issued after review from the "permitting board" consisting of P & PW, Water Resources, and Environmental Health. Permitting board handles all complaints. The decision of the "permitting board" regarding permits and/or complaints will be final.

Response Comments from Ad Hoc Committees of WAC/TAC addressing Proposed  
Outline of Glenn County Groundwater Management/Well Permitting Ordinance  
discussed at the April 19, 2016 Board of Supervisors Meeting

For Board Meeting May 3, 2016

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General Comments:

- Keep all current exemptions to the well permit moratorium.
- This ordinance could apply in high and medium priority alluvial groundwater basins only. This corresponds with Bulletin 118 boundaries which also used as the basis for SGMA implementation.
- Use Current Basin Management Objectives (BMO) and process outlined in County Code 20.03 as basis for proposed ordinance.
- Areas of Glenn County with Stage 3 alert wells as defined in Exhibit A of County Code 20.03 could require adaptive management. Adaptive management could include related ordinances or guidelines related to managing exports, well construction or placement, active recharge activities, and other management considerations.
- Well permit moratorium could remain in a 3 mile radius around Stage 3 wells only. (See map – there is sufficient overlap between BMO wells that a contiguous area within Glenn County is currently identifiable for continuing the moratorium). Evaluate as part of the BMO process annually and revise map accordingly on an annual basis (by April 15 of each year).
- There are still concerns about unmonitored areas and how to address those areas. An example is the West Colusa Private Pumper Area which extends at least ½ mile west of the 3-mile radius of influence of current BMO wells. There is a lack of monitoring information at this time, but it would be reasonable to include this area under the moratorium and manage it similar to the area immediately east of it, which are in stage 3 alerts. This unmonitored area has similar land use and hydrogeology. Needs more discussion to further clarify this comment.
- Counsel, with expertise in Water Rights law, should review the legality of the proposed ordinance, with emphasis on Item 3 related to well drilling inside and outside water/irrigation districts.
- “Reasonable and beneficial use” should be the standard as that is state law.
- There should be no differentiation between areas within or outside of irrigation districts.
- The word “district” should be defined. It may not include all organized water provider areas if that is the intention. Example: Orland Unit Water Users Association is not a water district.
- Some water providers do not have the capability to deliver water for sprinkler type irrigation systems in all areas due to water schedules and water quality concerns. Also, the water provider may not be able to provide water for frost protection, and well water would be the only source of water to address that issue.
- This may limit conjunctive water use within the County.

## Section Specific Comments

### Item 1: Export wells

- Export should be in a separate ordinance relating to use of groundwater, but linked to well permitting. Production would need definition. Production wells include domestic, irrigation, industrial, or any well that produces water for reasonable and beneficial use.
- Allow replacement wells, including public water supplies. Require well use history and only allow the replacement well to extract no greater than the original well.
- SGMA states de minimis users are less than 2 acre-feet. Should the usage be identified under the permit and how many acre-feet will be used?

### Item 2: Well Drilling Inside Water district and/or Irrigation Districts

- Review map of BMO wells presented under general comments. Consider the area of Glenn County encompassed by the BMO wells at Stage 3 alert levels and their 3-mile radius of influence. It is similar to the road locations originally described in Item 2. This map may help refine the boundaries where the well moratorium is continued. It also utilizes the current process as outlined in County Code. There is technical data to support that it would be reasonable than a new well may impact existing wells in the area, so upholding the moratorium in this area remains a viable management action.
- It seems as though the location should state “West of Hwy 99, North of Road 33, or East of Hwy 99, North of Hwy 32”.
- The desire to provide guidelines on well construction to reduce competition for domestic and irrigation uses is appreciated. However, it is also challenged by site-specific hydrogeology. Depths to groundwater and the geologic strata vary greatly throughout the County. The proposed ordinance might state that it encourages or requires groundwater extraction from different aquifers depending on whether it is a low or high volume well . Enacting this management action and others similar to it (e.g. well placement) may require a case-by-case review of test hole data and surrounding well depths to determine an appropriate depth (example: must drill through an aquitard and at least 50 feet below “domestic” aquifer. Then use test hole information to verify what the appropriate depth would be for that well. Needs more discussion to further clarify this idea.) This could be a potential role for a “permitting board” described in Item 4.

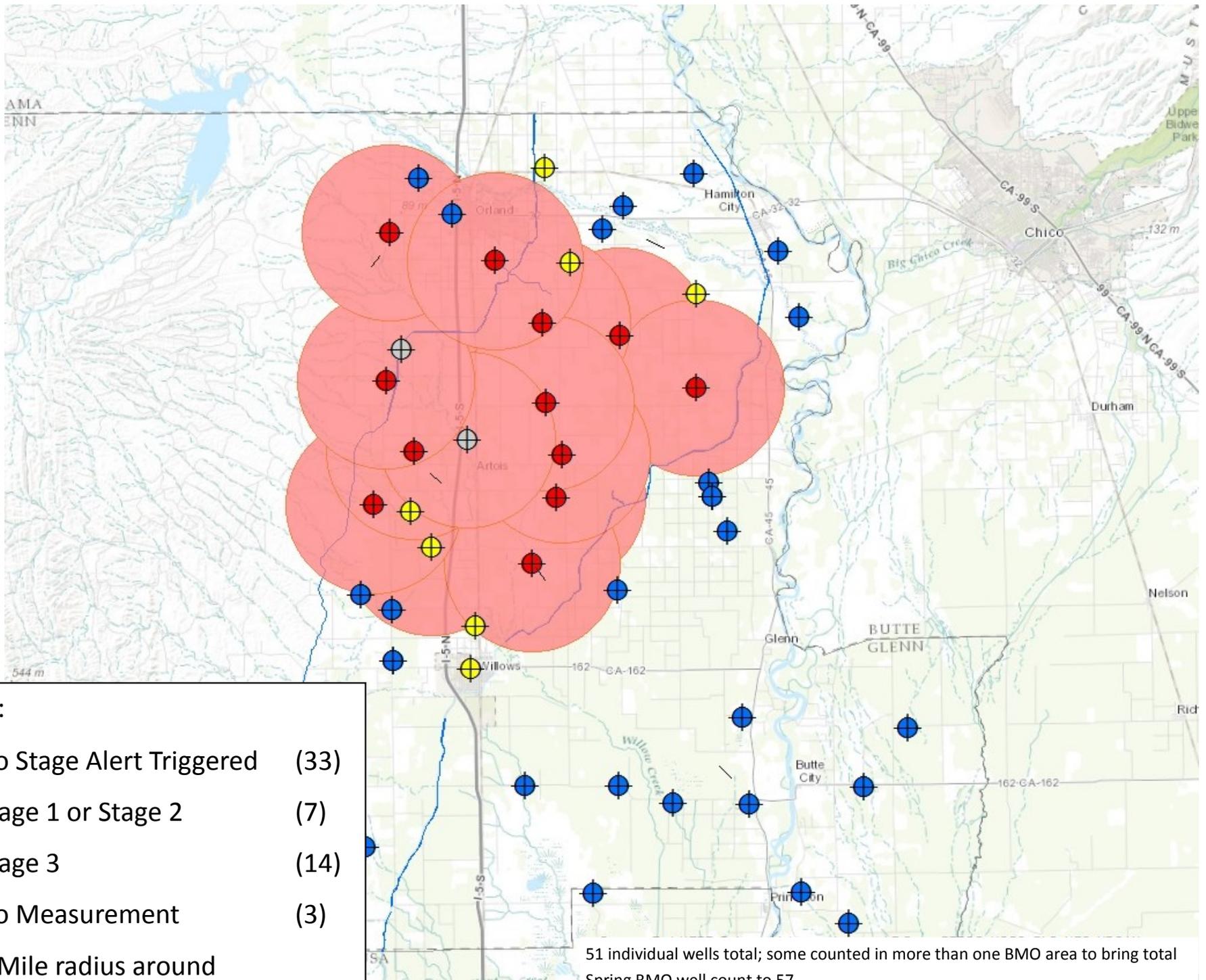
### Item 3: Well Drilling Inside Water and/or Irrigation Districts

- Counsel, with expertise in water rights law should review.
- Some water districts operate under compliance with Contracts and Permits entered into with the State of California and the United States Bureau of Reclamation. Could say that districts must abide by applicable State and Federal contract requirements including CEQA and/or NEPA reviews.
- There are concerns that this could be implemented successfully.

- Is there a differentiation between well types? (domestic, private irrigation, district wells)
- Who provides the information being requested?
- Does groundwater recharge in the area count for anything? Surface water districts landowners provide significant groundwater recharge.

#### Item 4: Permits

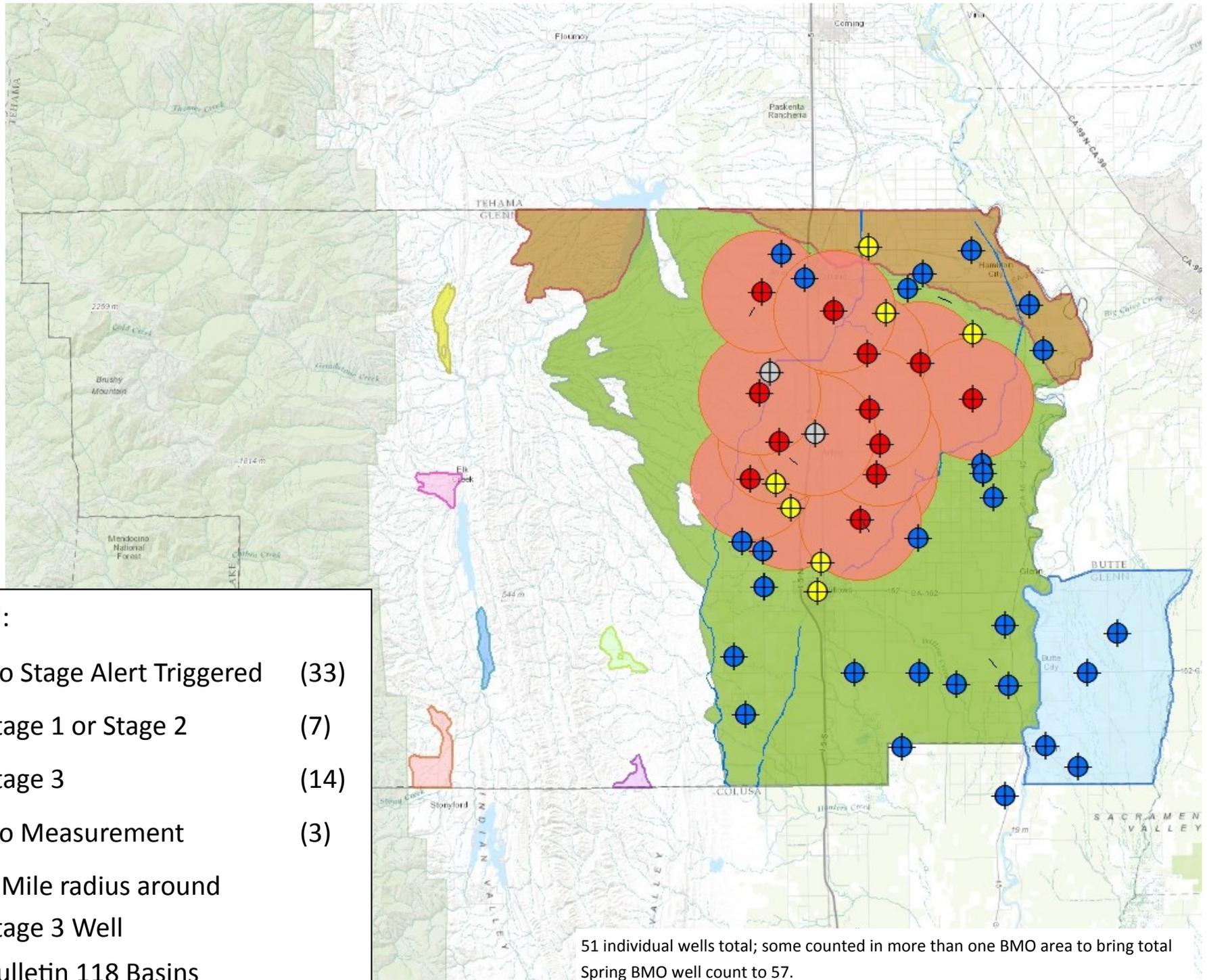
- Does this board exist or need to be created?
- Use your “permitting board” as an ad hoc group to develop a reasonable permitting process that would be implemented by that board.
- Should there be an appeal process?



**Legend:**

-  No Stage Alert Triggered (33)
-  Stage 1 or Stage 2 (7)
-  Stage 3 (14)
-  No Measurement (3)
-  3 Mile radius around Stage 3 Well

51 individual wells total; some counted in more than one BMO area to bring total Spring BMO well count to 57.



**Legend:**

-  No Stage Alert Triggered (33)
-  Stage 1 or Stage 2 (7)
-  Stage 3 (14)
-  No Measurement (3)
-  3 Mile radius around Stage 3 Well
-  Bulletin 118 Basins

51 individual wells total; some counted in more than one BMO area to bring total Spring BMO well count to 57.

Original from BOS April 19, 2016 meeting

## PROPOSED OUTLINE OF GLENN COUNTY GROUNDWATER MANAGEMENT /WELL PERMITTING ORDINANCE

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**Comment [A1]:** It should be mentioned somewhere that water management is governed by reasonable and beneficial use.

Until Glenn County and the other prospective county GSAs form an effective ground water management organization ~~and a county wide with corresponding GSPs~~ ~~GSP (Groundwater Sustainability Plans) are Plan~~ is in place ~~consistent with the along with corresponding GSP regulations~~, the following well permitting ~~regulations requirements regulations regulations~~ will apply for wells drilled West of Hwy 99, North of Road 33, North of Hwy 32, and below (less than) 400 feet mean sea level:

**Comment [A2]:** What about a replacement well for a public supply? Maybe allow replacement wells with extractions no greater than the original well. The well use history should be provided to show the past frequency of use and the discharge amount so that someone isn't trying to replace a well they haven't used in 10 years?

**Comment [A3]:** Under SGMA there is a provisions that usage <2 AF doesn't need to be metered. Shouldn't the usage be identified under the permit and how many AF will be used.

**Comment [A4]:** This protects the domestic wells, but the intermediate and deep aquifers will still be depleted unless allowed to recharge. Eventually, this will have to be addressed too.

**Comment [A5]:** (What about the impacts to surrounding wells? What is the source of the groundwater, is it from storage, will it come from neighboring creeks and streams? How much water will be used, should the land use or crop use be designated? Will this support a crop change and what will be additional water supply required?) This will likely be a requirement of GSPs, why not start collecting this info now?

**Comment [A6]:** Insert something like Must drill through an aquitar after 200 feet... but the well must still be at a minimum, 250 feet deep.

**Comment [A7]:** Same comment as above

**Comment [A8]:** Add language that Any future drilling of irrigation district wells will be based on a reasonable and beneficial use test.

**Comment [A9]:** Who does this the landowner or does the District do this calculation

**Comment [A10]:** Good. In light of SGMA, GW should only be used in a district during times of drought and should not be used during average and above average water years. This will allow for GW recharge and sustainability. Conjunctive Use.

**Comment [A11]:** So how would Settlement Contractors be affected who were shorted in 2014 and 2015, could a landowner install a well? What about groundwater recharge that surface water districts provide? GCID landowners had to fallow ground the past 2 years due to shortage, did private pumpers take land out of production or decrease pumping? This puts landowners in surface water districts at a disadvantage and further limits property rights. County Counsel should be required to provide what authority they can limit rights of some landowner and not others. What about...

**Comment [A12]:** The above paragraph says that the need for GW in excess of SW to support water sold or exported will not be supported???

**Comment [A13]:** Instead say that districts must abide by applicable State and Federal contract requirements including CEQA and/or NEPA reviews.

~~1) No export wells will be permitted for the sole purpose of exporting water out of the county or production wells allowed county wide.~~

2.1.

2) Well drilling outside of Water and/or Irrigation Districts.

For wells drilled West of Hwy 99, North of Road 33, North of Hwy 32, and below (less than) 400 feet mean sea level, the following limitations apply:

Domestic and livestock wells (wells 6 inch diameter or smaller) shall have exclusive access to the first 300 feet below ground level.

Ag and Industrial wells are limited to depths greater than 350 feet below ground level, and must be solid cased to that level.

For wells drilled in all other county locations, the following limitations apply:

Domestic and livestock wells (wells 6 inch diameter or smaller) shall have exclusive access to the first 200 feet below ground level. See Comment 1

Ag and Industrial wells are limited to depths greater than 250 feet below ground level, and must be solid cased to that level.

2. . See Comment 2

3) Well drilling inside of Water and/or Irrigation Districts.

Wells drilled inside Districts must prove a need for water in excess of the available surface water supply.

Proposed water to be sold and/or exported/transported outside of the water or irrigation district will not be considered to support a need for water in excess of the available surface water supply. (This is covered in Item #1).

Applicant must demonstrate a district water shortage over a 155 year rolling average, with inadequate water supply from the District in 3 of the 5 years to be issued a well drilling permit(s). Water sold and/or exported/transported outside of the water or irrigation district will be counted/factored into the formula to determine the 5 year rolling average and/or the inadequate water supply for 3 of the 5 years. (This provision

Original from BOS April 19, 2016 meeting cannot apply. Water transfers have been through crop fallowing only which is completely independent of groundwater supply.

4) Permits will be issued after review from the "permitting board" consisting of P & PW, Water Resources, and Environmental Health. Permitting board handles all complaints. The decision of the "permitting board" regarding permits and/or complaints will be final.

**Comment [A14]:** Is this in County statute the that this "Board" exists.

**Comment [A15]:** Shouldn't there be an appeal process?

**Comment [A16]:** So the Supervisors have no authority to consider decisions by this Board?

So how would Settlement Contractors be affected who were shorted in 2014 and 2015, could a landowner install a well? What about groundwater recharge that surface water districts provide? GCID landowners had to fallow ground the past 2 years due to shortage, did private pumpers take land out of production or decrease pumping? This puts landowners in surface water districts at a disadvantage and further limits property rights. County Counsel should be required to provide what authority they can limit rights of some landowner and not others. What about actual net impacts to groundwater which this ordinance doesn't address?



**GLENN COUNTY  
BOARD OF SUPERVISORS**

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John K. Viegas, District 1  
Dwight Foltz, District 2  
Vince T. Minto, District 3  
Keith Corum, District 4  
Leigh W. McDaniel, District 5

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**Minute Order of the Board of Supervisors**  
**February 16, 2016 Regular Meeting**  
**County of Glenn, State of California**

5. **Well Permit Moratorium**

- Also Present: Leigh McDaniel, Supervisor District 5  
Matter: Recommendation of Supervisor McDaniel to:
- a. Extend the moratorium indefinitely until new groundwater management policy is established;
  - b. Consider alternatives to the Water Advisory Committee as a body responsible to prepare this policy; and
  - c. Add the following language to the existing well permitting exemptions for policy Item 2, Replacement Wells:  
(1) Item 2.b A new well may replace a shared well used by adjoining properties. The new well may be placed on either of the adjoining properties regardless of the property location of the original well but still must continue to be a shared well among the adjoining properties. The new well will comply with the same requirements of Item 2a.
- Proceedings:
- a. Supervisor McDaniel reviewed the aforesaid matter;
  - b. Supervisor Minto asked to separates item 5 (a) from items 5 (b) and (c) which the Board agreed;
  - c. Supervisor Corum asked how far along the Water Advisory Committee is from completing the policy; whereby Supervisor McDaniel stated they have an end of the year estimation;
  - d. Supervisor Minto spoke in opposition of extending the moratorium and spoke of his concerns with people not being able to drill wells, the effects on land value, SIGMA regulations coming up and does not believe there is justification for a moratorium at this time, he also stated that Colusa County disbanded their moratorium;
  - e. Supervisor Corum encouraged the public to get letters to the Board sooner than right before the meeting;
  - f. Supervisor Foltz suggested a three month extension rather than six months and suggested bringing the WAC/TAC in for a special meeting, and give them a few months to prepare;
  - g. Supervisor Viegas stated that 21 domestic wells went dry in District 1;
  - h. Supervisor Minto suggested that if we extend the moratorium that we focus within a certain area;
  - i. Orland resident and member of Save the Water Resources Sharon Ellis, spoke in support of extending the Moratorium;
  - j. Supervisor Minto spoke of the impact on staff when we issue these moratoriums, stating that the work takes away from other tasks;



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- k. Glenn County resident Donna Padula, spoke of importance of having "room for changes" and policy changes if the well moratorium continues;
- l. Agricultural Commissioner Marcie Skelton, advised that the Department of Water Resources has given Glenn County preliminary approval for the grant that was applied to work for groundwater modeling that is almost \$250,000 and they should receive confirmation in a month, she stated that there is progress with the facilitation through the Center for Collaborative Policy that is working with the groundwater sustainable agencies to meet SIGMA requirements as they come forth;
- m. Glenn County resident Sandra Quiring stated that KVB would use 15 feet of water on wells proposed on their site;
- n. On motion of Supervisor Foltz, seconded by Supervisor Corum it was ordered to extend the moratorium to midnight of May 17, 2016 and to hold a special meeting March 8, 2016 with the WAC/TAC by the following roll call vote: Supervisor Corum - Aye Supervisor Foltz - Aye Supervisor McDaniel - Aye Supervisor Minto - Nay Supervisor Viegas - Nay
- In regards to items 5 (b) and (c):
- a. On motion of Supervisor Viegas, seconded by Supervisor Corum it was ordered to move forward with the language of item 5(c) and to delete any consideration from item 5(b) by the following vote:  
Ayes: Supervisor Corum, McDaniel, Minto and Viegas Noes: Supervisor Foltz



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**Minute Order of the Board of Supervisors**  
**March 15, 2016 Regular Meeting**  
**County of Glenn, State of California**

16. **Meeting with Members of the Water Advisory Committee (WAC) and the Technical Advisory Committee (TAC)**
- a. Roll Call of WAC and TAC;
  - b. Discuss with members of the WAC and TAC the current state of their work product in preparing an updated ordinance reflecting a revised sustainable groundwater management plan; and
  - c. Board of Supervisors to give direction and/or take action based upon the outcome of discussion under (b).
- Proceedings:
- a. Supervisor McDaniel advised that the WAC Chairman did not call for a special meeting, therefore WAC members in attendance would speak as individuals and hold no side discussions to comply with the Brown Act, and the Board of Supervisors would work through the WAC Chairman Robert Vlach. As Supervisor McDaniel is the Chairman ex officio of the TAC, he designated Lisa Hunter to lead the meeting for the TAC;
  - b. Ms. Hunter held Roll Call for the TAC;
  - c. Mr. Vlach advised that WAC reviewed and approved the Basin Management Objective (BMO) revisions and formed a subcommittee to work on water policy;
  - d. Ms. Hunter submitted and reviewed BMO documents and advised that they are evaluated annually by WAC;
  - e. Supervisor McDaniel advised that there is a need for an interim ordinance to protect groundwater until the Sustainable Groundwater Management Act (SGMA) is enacted, and that the Board desires to discontinue the well moratorium but wants additional provisions added to well permitting to prevent overwhelming the aquifers in drought conditions and to protect domestic wells, which would be accomplished by an ordinance.
  - f. Ms. Hunter spoke of the difficulty in drawing a boundary line that designates which areas of the county are sustainable vs. unsustainable;
  - g. Glenn County resident Del Reimers spoke of the economic impact of the well moratorium and the benefit of groundwater recharge when surface water is used;
  - h. Supervisor McDaniel spoke of drafting an interim ordinance using broad policy and parameters when issuing permits to begin forming management of groundwater, to submit said ordinance to



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**Minute Order of the Board of Supervisors**  
**March 15, 2016 Regular Meeting**  
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a subcommittee for review, and it's his desire that the parameters of the Ordinance be in place before lifting the well moratorium;

- i. Supervisor Viegas spoke of improving the distribution of surface water to rehydrate the aquifer;
- j. Glenn County resident Mike Vereschagin suggested giving surface water users incentives to not use groundwater and spoke of the inconsistency of aquifers;
- k. Glenn County resident Doug Ross spoke of rapidly fluctuating information and the need to protect domestic wells;
- l. Mr. Reimers suggested encouraging use of surface water and the need for the Bureau's rules to change to allow excess surface water to be used to recharge groundwater;
- m. Supervisor Foltz suggested that 300' wells be reserved for domestic use only, that zoning designate drilling allowances, and that parameters be set;
- n. It was the general consensus that Supervisor McDaniel and Supervisor Viegas would draft an ordinance for the April 5th Board meeting, and if satisfactory submit it to the WAC;
- o. TAC member Alan Fulton spoke of sharing information that has been developed through subcommittees, whereupon Ms. Hunter advised that the information has not been vetted by WAC but can be made available.



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**Minute Order of the Board of Supervisors**  
**April 19, 2016 Regular Meeting**  
**County of Glenn, State of California**

10. **Proposed Outline of Glenn County Groundwater Management/Well Permitting Ordinance**
- Also Present: Leigh McDaniel, Supervisor District 5
- Matter: Recommendation of Supervisor McDaniel to discuss and give direction regarding the Proposed Outline of Glenn County Groundwater Management/Well Permitting Ordinance.
- Proceedings:
- a. Supervisor McDaniel reviewed the aforesaid matter and recommended forwarding it to the water committees for further work;
  - b. Supervisor Foltz spoke of the need to address transfer of service water in relation to the use of wells;
  - c. Water Resource Coordinator Lisa Hunter stated that clarification regarding export and production wells is needed;
  - d. Supervisor McDaniel stated that the intent of well use should be for the parcels the well is serving;
  - e. It was the general consensus to forward the proposed outline to the adhoc committee for development and to bring the matter back to the next Board of Supervisors meeting.