

# Glenn Groundwater Authority

## Groundwater Sustainability Agency

225 N. Tehama Street, Willows, CA 95988 | 530.934.6540

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### Meeting of the Glenn Groundwater Authority Board of Directors

April 10, 2023 | 1:30 PM

225 North Tehama Street, Willows, CA 95988

Remote Public Participation Option:

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#### 1. CALL TO ORDER

The Chairperson will call the meeting to order and lead the [flag salute](#).

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#### 2. ROLL CALL

Roll call will be conducted.

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#### 3. APPROVAL OF MINUTES

- a. \*Approval of the special meeting minutes from March 22, 2023.

Draft meeting minutes from the March 22, 2023 special meeting are attached.

#### Attachments

- March 22, 2023 GGA Board special meeting minutes

# Glenn Groundwater Authority

## Groundwater Sustainability Agency

225 N. Tehama Street, Willows, CA 95988 | 530.934.6540

### Special Meeting Minutes

#### Glenn Groundwater Authority Board of Directors

March 22, 2023 | 1:30 p.m.

LOCATION: 225 North Tehama Street, Willows, CA 95988

Public participation was also offered via teleconference; accessible via telephone, computer, smartphone or tablet.

Director Members Present:	Alternate/2 <sup>nd</sup> Alternate Directors	Agency Representing:
X Grant Carmon	Tom Arnold	County of Glenn
X Bruce Roundy	R Pete Carr (1:34)	City of Orland
	Ed Vonasek (2 <sup>nd</sup> )	City of Orland
X Gary Hansen (Vice Chair)	R Evan Markey	City of Willows
X Matt Deadmond	Leslie Nerli	Glide Water District
X John Amaro (Chair)	R Thad Bettner (2:17)	Glenn-Colusa Irrigation District
X Charles Schonauer	X Emil Cavagnolo	Orland-Artois Water District
X Randy Hansen (1:32)	Wade Danley	Kanawha Water District
X Mark Lohse	Seth Fiack	Monroeville Water District
X Gary Enos	Lance Boyd	Princeton-Codora-Glenn Irrigation District/ Provident Irrigation District

Directors attending remotely are designated with "R" and are not counted toward a quorum, do not vote, and are considered members of the public.

#### Others in attendance:

Lisa Hunter (GGA/Glenn County), Valerie Kincaid (GGA Counsel), Jacques DeBra (Luhdorff & Scalmanini Consulting Engineers), Joe Turner (Geosyntec Consultants), Jenny Scheer (Water and Land Solutions), Jeff Davids (Davids Engineering), Katie Klug (Davids Engineering), Joey Judson (CliftonLarsonAllen), Ryan Fulton (Larry Walker Associates), Holly Reimers, Del Reimers, Gwynn Turnbull Weaver, Arne Gustafson, Jaime Lely, Carol Thomas-Keefer (Colusa Groundwater Authority), Don Bills (GGA TAC), George Pendell, Gina Nicholls (Nossaman), Pete Dennehy (Montgomery & Associates), Matt Hansen

#### 1. CALL TO ORDER

- Chair John Amaro called the meeting to order at 1:30 p.m. and the pledge of allegiance was recited.

#### 2. ROLL CALL

- Roll call was taken as indicated above.

#### 3. APPROVAL OF MINUTES

- a. \*Approval of the meeting minutes from February 13, 2023.

- Chair Amaro invited comments or revisions on the aforementioned meeting minutes. No comments were heard.

**On motion by Director Schonauer, seconded by Director Carmon, the meeting minutes of the February 13, 2023 meeting were unanimously approved as presented.**

#### 4. PERIOD OF PUBLIC COMMENT

- Chair Amaro invited public comments; whereby, no public comments were heard.

#### 5. FISCAL YEAR 2021/2022 ANNUAL AUDIT

- a. \*Receive presentation and accept Glenn Groundwater Authority Groundwater Sustainability Agency Financial Statements and Supplementary Information Year Ended June 30, 2022.
- Ms. Hunter introduced Joey Judson from CliftonLarsonAllen (CLA) where he conducted a presentation regarding the 2021/2022 fiscal year financial statements. He stated CLA is issuing an unmodified opinion which is the highest opinion. In the final report, an audit adjustment will be included that will reduce the revenue in the amount of \$370,000 that was recorded in the incorrect fiscal year.
  - Ms. Kincaid replied to a question, stating the Board can approve the report with the aforementioned adjustment, however, if there are any other substantial changes, it should be brought back to the Board.
  - Director Carmon suggested waiting to approve the statement until after the change was made and finalized. Ms. Hunter asked Ms. Kincaid about the audit requirement deadline, which she confirmed was March 31, 2023. Director Carmon asked for confirmation that this change would be the only one, whereby, Ms. Hunter concurred and stated if any other substantial changes are made, it will be brought back to the Board.

**On motion by Director Gary Hansen, seconded by Director Roundy, it was unanimously ordered to approve the Glenn Groundwater Authority Groundwater Sustainability Agency Financial Statements and Supplementary information Year Ended June 30, 2022 as presented in draft form with the changes mentioned.**

#### 6. STAFF UPDATES

- Ms. Hunter stated between February 14, 2023 and March 22, 2023, one Well Permit Acknowledgement Form has been received.
- Ms. Hunter stated there will be a webinar on March 23, 2023 from 1:00-2:00 p.m. regarding Executive Order N-4-23 which will discuss diversions of high flood flows for the purpose of recharge at existing recharge facilities, managed wetlands, and eligible ag lands. She stated the webinar link was sent to the board members.

#### 7. FINANCIAL REPORT

- a. \*Review and accept Monthly Activities Report.
  - b. \*Review and consider approval of claims.
- Director Carmon asked for clarification on the line stating “penalties and costs delinquent taxes”. Ms. Hunter replied the GGA gets a portion of the penalties associated with delinquent taxes collected.

**On motion by Director Enos, seconded by Director Randy Hansen it was unanimously ordered to approve the Monthly Activities Report.**

**On motion by Director Roundy, seconded by Director Schonauer, it was unanimously ordered to approve the claims.**

## 8. COLUSA SUBBASIN GROUNDWATER SUSTAINABILITY PLAN IMPLEMENTATION

- Ms. Hunter stated there was nothing to report.

## 9. GGA GROUNDWATER RECHARGE PILOT PROJECT

- a. Receive an update on the GGA Groundwater Recharge Services.
  - b. \*Approve Drought Executive Order N-7-22, Action 13 Self-Certification Form and authorize the Program Manager to submit the form on behalf of the GGA.
  - c. \*Approve Agreement between Glenn Groundwater Authority and Orland-Artois Water District Regarding Groundwater Recharge Pilot Project.
  - d. \*Direction and/or approval of additional pilot project recharge sites for Phase 1 project implementation.
- Jenny Scheer from Water and Land Solutions provided an update on the GGA Groundwater Recharge Services. She shared an overview of Phase 2 which includes a series of meetings with stakeholders and land owners to identify potential recharge sites.
  - Ms. Scheer reported the Orland-Artois Water District is currently implementing the short-term recharge project at the Van Tol property and is interested in implementing more recharge sites this winter throughout the district. She shared project progress and aerial photographs of the site, and further stated the GGA Board approved a budget for Phase 1 implementation not to exceed \$40,000 which would go toward said project once an agreement had been reached.
  - Ms. Scheer asked if the Board would be interested in using the implementation funds to share in the cost of the additional recharge sites or maximize recharge at the Van Tol site. Director Carmon stated he would be willing to slow down the flow at the Van Tol site to save some budget and spread out to other potential sites. Director Enos stated to hold off on any structural work and use the water on additional sites. Discussion ensued on potential recharge sites. Director Amaro asked how long Section 215 water generally lasts; whereby, Director Cavagnolo responded in the past, it has been available until June but, it depends on the flows.
  - Ms. Kincaid stated that Items 9b and 9c are not specific to the Van Tol recharge site and would cover these additional sites; however, if the Board chooses to partner with other agencies, they will need to enter into different partnership agreements and summarized what that would entail.

**On motion by Director Carmon, seconded by Director Gary Hansen, it was unanimously ordered to approve Drought Executive Order N-7-22, Action 13 Self-Certification Form and authorize the Program Manager to submit the form on behalf of the GGA.**

**On motion by Director Roundy, seconded by Director Enos, it was ordered to approve the agreement between Glenn Groundwater Authority and Orland-Artois Water District Regarding Groundwater Recharge Pilot Project. Director Schonauer abstained from voting.**

- Additional discussion on potential recharge sites ensued. Director Carmon stated he is in favor of additional sites for water purchase as long as there is a monitoring well nearby and it does not exceed the \$40,000 already allocated. There was discussion on supporting water supply to Lely Park and including educational components due to its high visibility. There is also a desire to explore overflow in Stony Creek to put in gravel pits.

- Staff was directed to bring back an agenda item with partnership agreements with City of Orland and Orland Unit Water Users Association.
- Ms. Hunter also mentioned a potential opportunity to showcase recharge projects which will be brought to a future meeting for consideration.

#### 10. PRESENTATION ON COLUSA SUBBASIN WATER YEAR 2022 ANNUAL REPORT

- Jeff Davids from Davids Engineering gave a presentation on the Colusa Subbasin Water Year 2022 Annual Report including groundwater conditions, water budget, and GSP implementation. He noted this Report was a collaborative effort between Davids Engineering and Luhdorff and Scalmanini Consulting Engineers (LSCE).
- Mr. Davids reviewed the requirements of the Annual Report contents and shared groundwater conditions as they relate to the Sustainable Management Criteria. Discussion ensued on groundwater storage, recharge, subsidence, surface water supplies, and implementation highlights. It was noted that additional technical details were provided during a presentation to the CGA/GGA Joint Technical Advisory Committee.
- Ms. Hunter mentioned the presentation will be available online to any interested parties.

#### 11. GSP IMPLEMENTATION FEE PROJECT

- Receive update on the GSP Implementation Fee Project
  - Receive an update on outcomes from the Public Workshops
  - Discussion of Fee Options to consider
  - Review next steps and provide direction to consultant team and staff
- Jacques De Bra from LSCE greeted the Board and proceeded with presentation on the implementation fee project progress. He began by sharing highlights of the three public workshop meetings, which he considered successful. Mr. De Bra proceeded to discuss different ways to charge fees and considerations including a fee per acre, a fee structure where non-irrigated lands would pay a lessor fee compared to irrigated lands, a land use hybrid approach, or a metered use approach. Significant discussion ensued on implementation and administrative costs, the cost to implement particular charge options, potential charge options and the pros and cons of each, and the Proposition 218 process.
  - It was clarified that the goal is to select fee options to evaluate in a technical memorandum, which will provide additional detail about each option. After review of the technical memorandum, the GGA will select one option to be evaluated in the fee study report. Legal Counsel will need to review the options as well.
  - There was general consensus to evaluate charge options in the technical memorandum as presented by LSCE which include a charge per acre, irrigated /non-irrigated, land use hybrid, and metered use. There was general consensus not to include a well head fee option. It was also agreed that Monroeville Water District would be considered a groundwater pumping area, not a surface water irrigated area.

#### 12. COMMITTEE UPDATES

- Executive Committee
    - CGA/GGA Joint Executive Committee
  - Fee Study Ad Hoc Committee
  - Groundwater Recharge Pilot Project Ad Hoc Committee
  - Technical Advisory Committee
- There were no additional updates for Items 12.a-12.c

- In relation to Item 12.d, Director Lohse mentioned he received an e-mail from Department of Water Resources stating they were postponing their groundwater level monitoring until the week of April 7, 2023.

13. FAIR POLITICAL PRACTICES COMMISSION: FORM 700 REMINDER

- Chair Amaro reminded the Board members to submit their 700 forms.

14. CLOSED SESSION

Gov't Code §54956.9 – Conference with Legal Counsel – Anticipated or significant exposure to litigation regarding tax refund claims and challenges to previously adopted property related fees.

15. CLOSED SESSION

Gov't Code 54956.9 – Conference with Legal Counsel – Existing Litigation  
Aqualliance, California Water Impact Network, and California Sportfishing Alliance vs. Colusa Groundwater Authority, Glenn Groundwater Authority  
Colusa County Superior Court – Case Number CV24584

16. CLOSED SESSION

Gov't Code §54956.9 (d)(2) Conference with Legal Counsel – Significant exposure to litigation – one matter.

- No public comments were presented or heard for Items 14, 15, or 16.
- The Board adjourned to closed session at 4:22 p.m.

17. REPORT OUT FROM CLOSED SESSION

- The Board returned from closed session at 4:42 p.m.
- In regards to Items 14, 15 and 16 the Board received an update from counsel.

18. MEMBER REPORTS AND COMMENTS

- No member reports or comments were heard.

19. NEXT MEETING

- The next regular meeting is scheduled for April 10, 2023 at 1:30 p.m.

20. ADJOURN

- The meeting was adjourned at 4:43 p.m.

#### **4. PERIOD OF PUBLIC COMMENT**

Members of the public are encouraged to address the GGA Board of Directors on items relevant to the GGA. Public comments are limited to no more than 5 minutes. No action may be taken on public comments.

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#### **5. STAFF UPDATES**

The program manager will provide brief status updates. Reminders and/or clarifications may also be made at this time.

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#### **6. FINANCIAL REPORT**

- a. \*Review and accept Monthly Activities Report.
- b. \*Review and consider approval of claims.

The Monthly Activities Report and Claims Summary are attached.

##### **Attachments**

- Monthly Activities Report
- Claims Summary
- Budget to Actuals (Draft)

# Monthly Activities Report

Glenn Groundwater Authority  
 Monthly Activities Report  
 February 2023

	Description	Amount
Beginning Balance		\$ 1,544,105.56
Revenue		
Total Revenue		\$ -
Expenses		
	A-87 COST (12/2022)	\$ 793.25
	A-87 COST (1/2023)	\$ 793.25
	A-87 COST (2/2023)	\$ 793.25
Total Expenses		\$ 2,379.75
Ending Balance		\$ 1,541,725.81
*DUE FROM OTHER GOVT/ DEFERRED INFLOWS:		
	Colusa Groundwater Authority Inv 22-GGA-15	
	(received August 2022)	\$ 223,820.52
Total DUE FROM OTHER GOVT/DEFERRED INFLOWS		\$ 223,820.52



# Monthly Activities Report

Glenn Groundwater Authority  
 Monthly Activities Report  
 March 2023 DRAFT

Description	Amount
Beginning Balance	\$ 1,541,725.81
Revenue	
Provident Inv 23-GGA-11	\$ 50.78
GCID Inv 23-GGA-04	\$ 33.86
Bayliss Vol. Fire Inv23-GGA-02	\$ 3.60
City of Orland Inv 23-GGA-08	\$ 2,839.64
City of Willows Inv 23-GGA-13	\$ 2,607.46
Union Pac Rail Inv 23-GGA-12	\$ 4.56
<b>Total Revenue</b>	<b>\$ 5,539.90</b>
Expenses	
Paris Kincaid Wasiewski, LLP (Matter #1851) Inv 1897	\$ 7,475.00
Paris Kincaid Wasiewski, LLP (Matter #1851) Inv 1913	\$ 8,400.00
Paris Kincaid Wasiewski, LLP (Matter #1851) Inv 1959	\$ 1,530.00
Paris Kincaid Wasiewski, LLP (Matter #1850) Inv 2072	\$ 2,590.00
Paris Kincaid Wasiewski, LLP (Matter #1851) Inv 2083	\$ 1,120.00
Paris Kincaid Wasiewski, LLP (Matter #1850) Inv 2099	\$ 6,195.00
Paris Kincaid Wasiewski, LLP (Matter #1851) Inv 2115	\$ 7,230.00
Luhdorff & Scalmanini Consulting Engineers Inv 39399	\$ 4,867.50
Geosyntec Consultants #FSO145 Inv 498674	\$ 9,491.26
Geosyntec Consultants #FSO145 Inv 498679	\$ 5,000.00
<b>Total Expenses</b>	<b>\$ 53,898.76</b>
Ending Balance	\$ 1,493,366.95

# Claims Summary

Glenn Groundwater Authority  
 Invoices to be paid  
 Meeting Date: April 10, 2023

Invoice Date	Invoice Number	Description	Amount
3/16/2023	505583	Geosyntec Consultants (GW Recharge Services)	\$ 17,497.60
3/28/2023	3627348	CliftonLarsonAllen (21/22 Annual Audit)	\$ 7,500.00
3/30/2023		Jacinto Grange No. 431 (Building Use- Fee Public Workshop)	\$ 200.00
4/1/2023	2150	Paris Kincaid Wasiewski, LLP; Matter #1851	\$ 346.50
4/1/2023	2151	Paris Kincaid Wasiewski, LLP; Matter #1850	\$ 8,066.50
4/7/2023	23-WR-02	Glenn County- Admin Support (Jul-Dec 2022 KM, Jan-Mar 2023)	\$ 32,316.16
<b>Total</b>			<b>\$ 65,926.76</b>

# Glenn Groundwater Authority Budget FY 2022/2023

Approved 5/9/22

	Current Approved FY 22/23	Actual through Mar 2023 DRAFT	Remaining Budget
<b>REVENUES</b>			
<b>Grant Revenue</b>			
Other		\$ -	
<b>Total Grants</b>	-	\$ -	\$ -
<b>Other Government Agencies</b>			
Colusa Groundwater Authority*	100,000	\$ 223,820.52	\$ (123,820.52)
Other		\$ -	
<b>Total Other Government Agencies</b>	100,000	223,820.52	(123,821)
<b>Assessments</b>			
Property Related Fee Per Acre (current \$1.50/ac)	427,786	\$ 303,803.37	\$ 123,982.63
Well Head Fee	-	\$ -	\$ -
Extraction Fee	-	\$ -	\$ -
Other	-	\$ -	\$ -
<b>Total Assessments</b>	427,786	\$ 303,803.37	\$ 123,982.63
<b>Other</b>			
Interest	4,000	\$ -	\$ 4,000.00
<b>Total Other</b>	4,000	\$ -	\$ 4,000.00
<b>TOTAL REVENUES</b>	<b>531,786</b>	<b>\$ 527,623.89</b>	<b>\$ 4,162.11</b>
<b>EXPENSES</b>			
Administration- Contracted County Services	170,000	\$ 51,224.57	\$ 118,775.43
Program Administration Support		\$ -	\$ -
Legal Services	120,000	\$ 57,165.00	\$ 62,835.00
Certified Public Accountant (Yearly Audits)	10,800	\$ 750.00	\$ 10,050.00
JPA Insurance	2,000	\$ 1,735.00	\$ 265.00
County Bookkeeper	9,519	\$ 6,346.00	\$ 3,173.00
GSP Development/Implementation**	583,000	\$ 40,087.77	\$ 542,912.23
Long Term Funding Options	90,000	\$ 4,867.50	\$ 85,132.50
Professional Services	35,000	\$ 1,524.00	\$ 33,476.00
Board Expenses	2,000	\$ -	\$ 2,000.00
Special Department Expenses	25,000	\$ -	\$ 25,000.00
Legal Notices	1,000	\$ -	\$ 1,000.00
County Tax Roll Fee	5,000	\$ 2,131.52	\$ 2,868.48
Contingency/Reserve	50,000	\$ -	\$ 50,000.00
<b>TOTAL EXPENSES</b>	<b>1,103,319</b>	<b>\$ 165,831.36</b>	<b>\$ 937,487.64</b>
<b>Net (Revenue-Expenses)</b>	<b>(571,533)</b>	<b>361,793</b>	

Note: A-87 Cost allocated to County Bookkeeper line item

\*The revenue is grant reimbursements from the CGA for GSP Development (pass through to reimburse technical consultant work).

\*\*GSP Development expenses were funded through a grant (see CGA revenue line) for FY 21/22. FY 22/23 expenses are expected to be funded directly by the GGA.

## 7. COLUSA SUBBASIN GROUNDWATER SUSTAINABILITY PLAN IMPLEMENTATION

Staff will provide an update on Colusa Subbasin GSP implementation activities.

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## 8. GGA GROUNDWATER RECHARGE PILOT PROJECT

- a. Receive an update on groundwater recharge pilot project implementation activities.
- b. \*Consider approval to fund water costs not to exceed \$10,000 to implement pilot projects in Orland Unit Water Users Association boundaries during the 2023 irrigation season pending legal counsel review.
- c. \*Direction to legal counsel to prepare draft agreements with specified landowners for pilot project implementation within the Orland Unit Water Users Association boundaries.
- d. \*Consider approving Task Order 6 Monitoring and Reporting, Short-Term Groundwater Recharge Projects Colusa Groundwater Subbasin, Glenn County, California with Geosyntec Consultants in an amount not to exceed \$30,000 without prior approval.
- e. Discuss opportunities for outreach and/or showcasing groundwater recharge pilot project.

GGA has been working with Geosyntec and Water and Land Solutions on a Groundwater Recharge Services Project. The services include a two-phase approach to explore groundwater recharge project opportunities in the short-term (this winter) and a longer-term planning process. The Phase 1 project report documenting the outcomes of the short-term project evaluation has been prepared and is currently being reviewed. The Phase 2 process has begun with a series of meetings with a variety of groups with ties to the land or stakeholders to identify potential long-term groundwater recharge sites.

At its January 9, 2023 board meeting, the Glenn Groundwater Authority “set a budget in an amount not to exceed \$40,000 without prior approval for Phase 1 project implementation” regarding groundwater recharge. The recommended project for Phase 1 was the Van Tol site within the Orland-Artois Water District (OAWD).

At the March 22, 2023 special board meeting, the GGA Board approved the Executive Order N-7-22, Action 13 Self-Certification Form and the agreement with OAWD to begin Phase 1 implementation. At that same meeting, the GGA discussed expanding the recharge sites within the OAWD area and to explore a partnership with the City of Orland and the Orland Unit Water Users Association (OUWUA) for two additional sites within the OUWUA boundaries.

OAWD has continued supplying water to 8-10 sites within their boundary. The two sites within OUWUA include a gravel pit located south of Road 18, along Interstate 5 and the pond at Lely Park, both in Orland. The proposed approach allows GGA to work within OUWUA standard rotation and recharge an estimated 576 acre-feet of water during the regular irrigation season. Because there is no change to OUWUA operations, the project would require little direct involvement from OUWUA, but rather coordination with the landowners. GGA could agree to pay the cost of water and coordinate with the landowners to acquire the data necessary to evaluate the program. Agreements would need to be developed with the landowners, which have both indicated a strong desire to participate. It is also important to have OUWUA support. If this concept is approved, members of the Groundwater Recharge Pilot Project Ad Hoc Committee will attend the OUWUA meeting to discuss this approach with their Board.

The consultant team (Geosyntec and Water and Land Solutions) has expressed a willingness to support the GGA for Phase 1 implementation. If OAWD continues to pay the cost of water for sites within their boundary, and the cost of water for the sites within the OUWUA boundary does not exceed \$10,000, there is \$30,000 remaining within the allocated amount to conduct the monitoring, data analysis, and reporting of the Phase 1 project

implementation. Geosyntec has provided a proposal to conduct the work, which would be Task 6 of the current agreement if approved.

Several potential opportunities for publicizing the groundwater recharge pilot project have been brought to the attention of staff and/or the ad hoc committee. DWR has an interest in showcasing successful projects. Joe Turner has discussed this briefly with DWR and has provided contact information if the GGA would like to pursue this opportunity. Director Schonauer has reached out to reporter Matthew Malcom who indicated interest in the project. The Groundwater Resources Association- Northern Sacramento Valley Branch, has asked Jenny Scheer to present at an upcoming branch meeting. At the March 22 meeting, the board indicated interest in potentially including an educational component if a recharge site moved forward, particularly at Lely Park. Staff is requesting direction on how the Board would like to approach outreach and/or showcasing the groundwater recharge pilot project.

Staff, the consultant team, and legal counsel may provide additional updates.

#### **Attachments**

- Task Order 6 Monitoring and Reporting, Short-Term Groundwater Recharge Projects Colusa Groundwater Subbasin, Glenn County, California with Geosyntec Consultants

April 4, 2023

Glenn Groundwater Authority  
Attn: Lisa Hunter  
225 North Tehama Street  
Willows, CA 95988

**Subject: Task Order 6  
Monitoring and Reporting, Short-Term Groundwater Recharge Projects  
Colusa Groundwater Subbasin, Glenn County, California**

Dear Ms. Hunter:

As requested, this Task Order Request presents our scope and cost estimate to assist the Glenn Groundwater Authority (GGA) with the monitoring and reporting of three short term groundwater recharge pilot tests within the GGA's portion of the Colusa Groundwater Subbasin. The scope of work developed for this proposal is based on our presentation to the GGA board on January 9, 2023, the Geosyntec/Water and Land Solutions (WLS) report dated March 8, 2023, and conversations with the GGA Groundwater Recharge Pilot Project Ad Hoc (Ad Hoc) committee on April 3, 2023. The work will be conducted as Task 6 in accordance with our contract with GGA dated October 4, 2022

## **SCOPE OF WORK**

The scope of services will include two subtasks as follows:

- Subtask 1 – Installation and Monitoring of Pilot Test Sites
- Subtask 2 - Reporting

Each of these tasks are described below

### **Subtask 1 – Installation and Monitoring of Pilot Test Sites**

As approved by the Ad Hoc committee, three short term groundwater recharge pilot projects will be conducted at three sites referred to as follows:

- Lely Pond
- Lely Sump
- Rick Martin Gravel Pit

Figure 1 shows the approximate locations of these sites.

At each location, Geosyntec will install a temporary stilling well. A stilling well consists of a 2-inch diameter post hand driven into soils in the groundwater recharge area or attached to existing

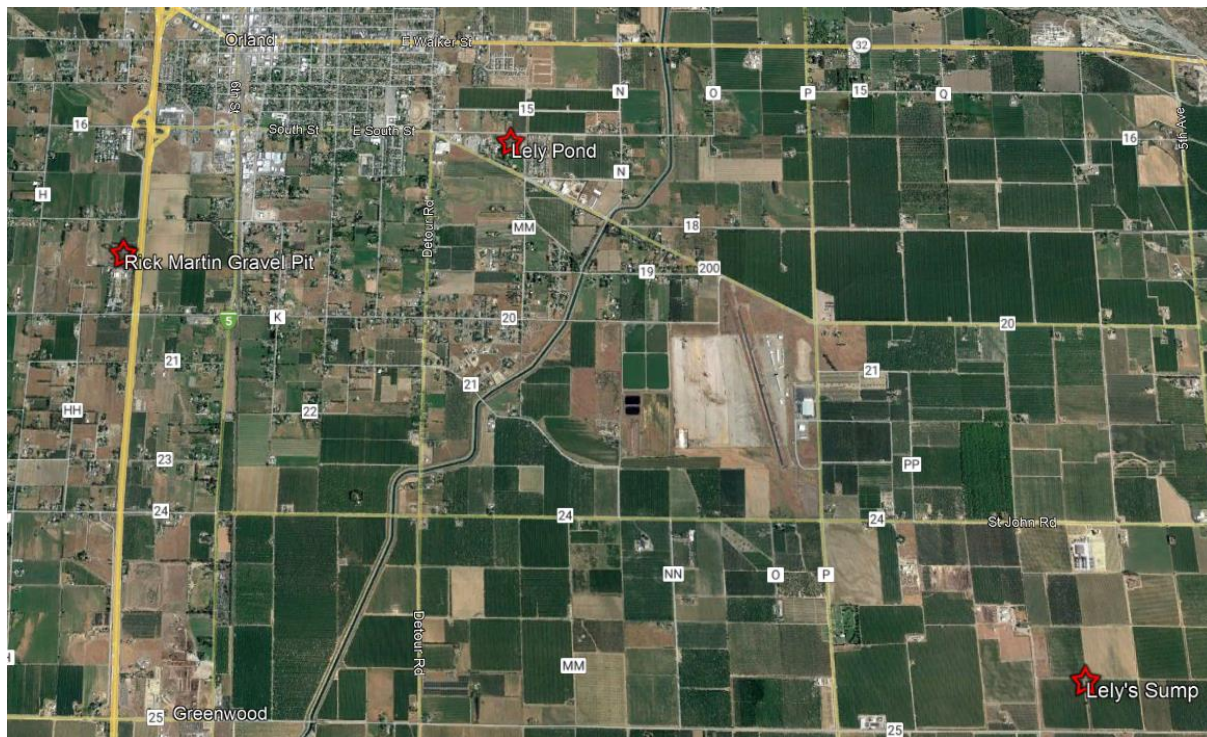


Figure 1. Location of three proposed groundwater recharge pilot tests.

structure within test area. After installation of post, a pressure transducer for recording water levels and temperature will be placed inside the post for continual monitoring of water levels within the groundwater recharge area. The transducers used for this project will be In-Situ Regged Trolls®. Transducers will be programmed to record water levels every 30 minutes for the duration of the pilot test. For barometric corrections of the data during the pilot tests, an In-Situ BaroTroll® will be placed at one of the sites and programed to record barometric pressures at the same interval as the pressure transducers.

During the site visit to install the stilling wells, a sketch of each site will be prepared. The sketch will be focused on identifying potential zones of infiltration for use in interpretation of the recored water level data. For example, water could infiltrate laterally within a gravel zone near the top of the recharge basin area in addition to vertically at the base. Understanding these relationships will be critical to assessment of the data collected for the project. After completion of all three pilot tests, data from the pressure transducers and barometer will be downloaded.

The estimated cost for this subtask is \$14,000 as summarized on Table 1 and are based on the following assumptions:

- All three stilling wells and site visits will be completed withing two (2) 10 hour work days.
- All three pressure transducers and barometer will be downloaded within one 10-hour day
- GGA will provide access to each of the sites.
- Each site will have area that stilling well can be installed and readily accessed

### **Subtask 2 – Reporting**

After completion of each pilot test and downloading of pressure transducers, a report will be prepared summarizing the results of the pilot test. For each site, a hdyrogeologic conceptual model (HCM) will be developed using existing well logs near each site. It is also our understanding that GGA will collect periodic water level data from nearby wells that will be used for development of the HCM and interpretation of infiltration testing (water level data from pressure transducers). The report will also include an assessment of infiltration rates at each site and potential flow pathways to the upper groundwater aquifer.

The estimated cost for this subtask is \$16,000 as summarized on Table 1 and are based on the following assumptions:

- GGA will provide well logs for identified wells near each site.
- GGA will provide water level data from nearby wells to each site.
- The report will be revised based on one set of comments from GGA.

## **SCHEDULE**

Site visits for installation of stilling wells and site mapping should be conducted within three weeks of authorization dependent upon receipt of pressure transducers from the manufacture, weather conditions, and access to each site. The transducers will be downloaded within one week after notification from GGA that the pilot tests have been completed. A draft of the report summarizing the results of pilot test should be submitted within four to five weeks of completion of pilot tests dependent upon receipt of data from GGA (well logs and groundwater level data).

## **COST ESTIMATE**

We propose to conduct the proposed tasks on a time-and-materials basis in accordance with the Fee Schedule provided in our existing contract with the GGA dated October 5, 2022, with a not-to-exceed contract amount without prior authorization of \$30,000. A summary of fees for each subtask is presented in Table 1.



**Table 1 – Summary of Fees**

Subtask	Labor	Expenses	Total Cost
1 – Installation and Monitoring	\$10,000	\$4,000	\$14,000
2- Report	\$15,500	\$500	\$16,000
<b>Totals</b>	<b>\$25,500</b>	<b>\$4,500</b>	<b>\$30,000</b>

**AGREEMENT**

This project will be conducted as Task 6 under our existing contract with the GGA dated October 5, 2022.

**CLOSING**

We greatly appreciate the opportunity to provide our proposal and we look forward to working with you on this project. Should you have any questions, please contact either Joseph Turner at 916.637.8351 or Amer Hussain at 559.479.2013.

Sincerely,



Joseph Turner, PG, CHg  
Senior Consultant



Amer Hussain, PE  
Senior Principal

## 9. GSP IMPLEMENTATION FEE PROJECT

- a. Receive update on the GSP Implementation Fee Project.

At the December 19, 2022 meeting, the GGA board approved an agreement with Luhdorff & Scalmanini Consulting Engineers (LSCE) to provide Groundwater Sustainability Agency data review, fee analysis and rate setting services (fee project). Since that time, LSCE has been working with staff, legal counsel, and the Fee Study Ad Hoc Committee to prepare items for the Board and conduct public outreach.

A long-term funding webpage will continue to be updated as materials are developed. The webpage can be accessed at:

<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority/gga-long>

The LSCE team is currently developing the fee options technical memorandum and plans to meet with the Fee Study Ad Hoc Committee within the next week. It may be necessary to hold a special board meeting prior to the regularly scheduled May 8, 2023 meeting to review the technical memorandum.

Additional updates may be given and the GGA may provide direction to the consulting team, staff, and legal counsel.

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## 10. DISCUSSION ON DRAFT GLENN COUNTY WATER WELL DRILLING STANDARDS

Glenn County is currently updating their water well drilling standards. An announcement was made that the Water Well Drilling Standards policy has been revised and the draft will be reviewed at a Special Board of Supervisor's Meeting on Monday, April 17th at 9:00 a.m. This meeting is open to the public and will take place at the Board Chambers located at 525 W Sycamore St. Willows, CA. Drought Task Force members are encouraged to attend this special session. The announcement email and DRAFT Water Well Drilling Standards are attached.

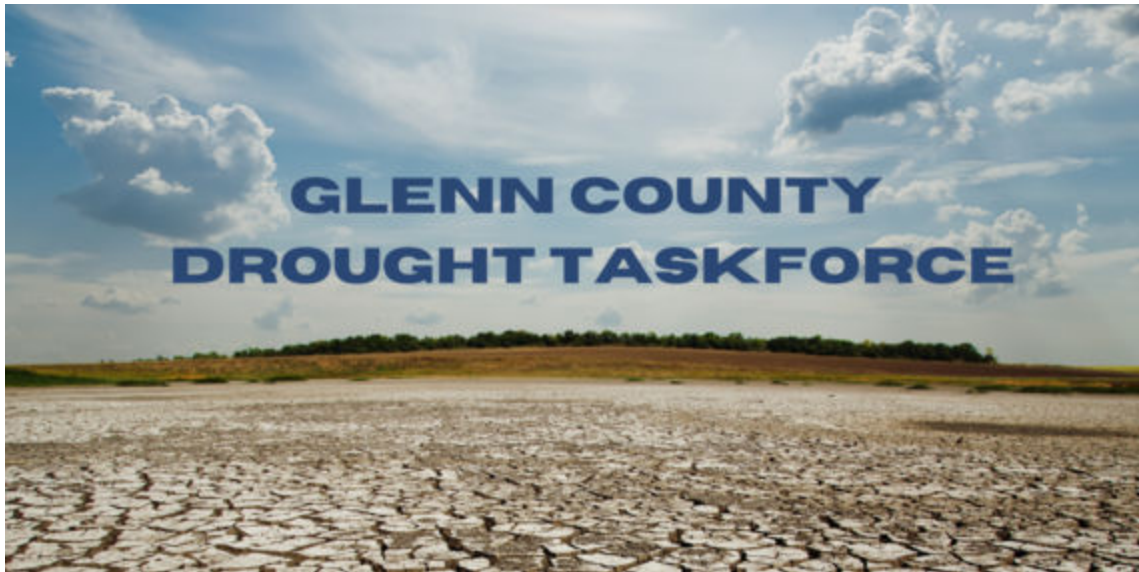
### Attachments

- Drought Update and upcoming meetings- email
- DRAFT Water Well Drilling Standards

**Lisa Hunter**

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**From:** Glenn County Sheriff <gcsheriff@public.govdelivery.com>  
**Sent:** Thursday, April 6, 2023 4:04 PM  
**To:** Lisa Hunter  
**Subject:** Drought Update and upcoming meetings



## **Glenn County Drought Task Force**

**Next Meeting: May 11, 2023**

**3:00 p.m. to 5:00 p.m.**

Glenn County Office of Education  
Conference Facility

131 E Walker St. Orland, CA 95963

Good afternoon Glenn County Drought Task Force partners,

It has been a wet and eventful fall, winter, and early spring season! While we have been busy responding and recovering to three declared emergencies for severe storms and flooding, the drought emergency continued. Our County Emergency Operations and Policy Team continued to meet to develop and refine plans and policies regarding water management, to monitor drought impacts, and explore solutions for drought resilience.

The Water Well Drilling Standards policy has been revised and the draft will be reviewed at a **Special Board of Supervisor's Meeting on Monday, April 17<sup>th</sup> at**

**9:00 a.m.** This meeting is open to the public and will take place at the Board Chambers located at 525 W Sycamore St. Willows, CA. Drought Task Force members are encouraged to attend this special session. [The DRAFT Water Well Drilling Standards is attached here for your review.](#)

**The Drought Task Force will reconvene on Thursday, May 11<sup>th</sup> at 3 p.m.** at Glenn County Office of Education Conference Facility located at 131 E. Walker St. Orland, CA. [The agenda for this meeting is attached here.](#)

### **Drought Conditions Update**

Drought conditions have been removed from Glenn County in both the short term and long-term indicator maps due to the excessively wet winter. The US Drought Monitor (updated 3/31/23) has Glenn County at D0 – Abnormally dry rating, with the multi-indicator maps listing Glenn from normal to wet. [Drought conditions can be accessed here.](#)

### **Spring Outlook**

In California, the statewide snowpack (April 5) was 243% of normal, with the Northern Sierra at 198%, Central Sierra at 242%, and Southern Sierra at 302%. The California Department of Water Resources reported that the 2022-23 season will go down as one of the largest snow packs on record in California. Moderate to exceptional drought coverage across the U.S. is at its lowest since August 2020 and is likely to continue improving, or end entirely, across much of California and the Great Basin. [Access the full article here.](#)

Thank you,

Amy Travis

Deputy Director OES, Glenn County

Drought Task Force Meeting Agenda: [Agenda Link: May 11, 2023](#)

Drought Task Force Meeting Minutes: [Minutes Summary: October 13, 2022](#)

[Glenn County Well Incident Data Summary Map](#)

Contact: [drought@countyofglenn.net](mailto:drought@countyofglenn.net)

[www.countyofglenn.net/drought](http://www.countyofglenn.net/drought)

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This email was sent to lhunter@countyofglenn.net using govDelivery Communications Cloud on behalf of: County of Glenn, California ·  
125 S. Murdock Ave. Willows, CA 95988



**AN ORDINANCE OF THE COUNTY OF GLENN AMENDING THE GLENN COUNTY CODE BY AMENDING TITLE 20, CHAPTER 20.08 RELATING TO WATER WELL DRILLING AND STANDARDS**

THE BOARD OF SUPERVISORS OF THE COUNTY OF GLENN ORDAINS AS FOLLOWS:

**SECTION 1:** The Glenn County Code is hereby amended by amending Title 20, Chapter 20.08 to read in its entirety as follows:

**Chapter 20.08**

**WATER WELL DRILLING AND STANDARDS**

**Sections:**

<b>20.08.010</b>	<b><i>Purpose.</i></b>
<b>20.08.020</b>	<b><i>Authority.</i></b>
<b>20.08.030</b>	<b><i>Definitions.</i></b>
<b>20.08.040</b>	<b><i>Duties and Powers of Local Enforcement Agency.</i></b>
<b>20.08.050</b>	<b><i>Well Standards.</i></b>
<b>20.08.060</b>	<b><i>Permit Required.</i></b>
<b>20.08.070</b>	<b><i>Permit Application, Issuance and Term.</i></b>
<b>20.08.080</b>	<b><i>Exempt Wells.</i></b>
<b>20.08.090</b>	<b><i>Consultant Review Required for Non-Exempt Wells</i></b>
<b>20.08.100</b>	<b><i>Groundwater Sustainability Agency Approval.</i></b>
<b>20.08.110</b>	<b><i>Permit Approval.</i></b>
<b>20.08.120</b>	<b><i>Inspections.</i></b>
<b>20.08.130</b>	<b><i>New, Replacement and Repaired Exempt Well Minimum Depth Requirements.</i></b>
<b>20.08.140</b>	<b><i>Well Completion Report.</i></b>
<b>20.08.150</b>	<b><i>Electric Logging (E-Log) Required.</i></b>
<b>20.08.160</b>	<b><i>Replacement of Existing Wells.</i></b>
<b>20.08.170</b>	<b><i>Well Destruction.</i></b>
<b>20.08.180</b>	<b><i>Permit Revocation, Rescission and Hazard Abatement.</i></b>
<b>20.08.190</b>	<b><i>Appeals.</i></b>
<b>20.08.200</b>	<b><i>County Action Not Guarantee.</i></b>
<b>20.08.210</b>	<b><i>Conflicting Regulations.</i></b>
<b>20.08.220</b>	<b><i>Violations &amp; Penalties.</i></b>

**20.08.010 Purpose.**

The Board of Supervisors finds that the protection of groundwater within the county is of major concern to the residents of the county. It is the purpose of this chapter to provide for the placement, construction, replacement, repair, modification and destruction of wells in such a manner that the groundwater of this county will not be contaminated, depleted or polluted, and that water obtained from wells will be suitable for beneficial use and will not jeopardize the health, safety or welfare of the residents of this county. In addition, this chapter attempts to reduce potential well interference problems to existing wells, public trust resources

of navigable waterways and potential adverse impacts to the environment, which could be caused by the placement, construction, replacement, repair, modification and destruction of wells where a permit is required under this chapter.

**20.08.020 Authority.**

The chapter is adopted pursuant to the Porter-Cologne Water Quality Control Act, Water Code Section 13000 et seq. as amended from time to time.

**20.08.030 Definitions.**

The following words and phrases shall, for the purpose of this chapter, have the meanings ascribed to them in this section:

A. "Abandoned" or "abandonment" shall apply to a well which has not been used for a period of one year, unless the owner declares in writing, on a form provided by the County, their intention to use the well again for supplying water or other associated purpose (such as an observation well or injection well) and received approval of such declaration from the Local Enforcement Agency ("LEA"). Test holes and exploratory holes shall be considered abandoned twenty-four hours after construction work has been completed, unless otherwise approved by the LEA.

B. "Agricultural wells" means water wells used to supply water for irrigation and growing of crops or production of other agricultural commodities for commercial purposes.

C. "Board" means the Glenn County Board of Supervisors.

D. "Cathodic protection well" means any artificial excavation constructed by any method for the purpose of installing equipment or facilities for the protection electrically of metallic equipment in contact with the ground commonly referred to as cathodic protection.

E. "Community water supply well" means a water well for domestic purposes in systems subject to Chapter 7 of Part 1 of Division 5 of the California Health and Safety Code (commencing with section 4010) as amended from time to time.

F. "Completion or completion operation" means any work conducted after artificial excavation to include:

1. Placement of well casing,
2. Gravel packing,
3. Sealing,
4. Casing perforation, or
5. Other operations deemed necessary by the LEA.

G. "Consultant" means a California Licensed Professional Geologist or Engineer with a Certified Hydrogeologist Specialty Certification.

H. "County" means the County of Glenn.

I. "Contamination" means an impairment of the quality of water to a degree which creates a hazard to the public health through poisoning or through spread of disease.

J. "Destruction or destroy" means the complete filling of a well in such a manner that it will not produce water or act as a conduit for the interchange of water, when such interchange will result in deterioration of the quality of water in any water-bearing formations penetrated.

K. "Domestic water well" means a well devoted exclusively to the residential and related yard, garden and barnyard uses within the same parcel of land as the served dwelling house. Such uses do not include the growing of crops, or production of other agricultural commodities for commercial purposes.

L. "Electric logging" or "E-Log" means lowering a device used to measure the electric resistance of the rock and soil layers in the downhole portion of the well.

M. "Groundwater" means water in the zone of saturation. Groundwater is presumed to be percolating, although it does occur in known and definite channels.

N. "Health officer" means the Glenn County Health Officer or duly authorized registered environmental health specialist.

O. "Hydrology" shall mean the origin, distribution, and circulation of water through precipitation, streamflow, infiltration, groundwater storage, and evaporation.

P. "Industrial wells" mean water wells used to supply industry on an individual basis.

Q. "Livestock well" means a water well used for the watering of livestock and other uses directly related to the operation of a feedlot, confined livestock operation or dairy.

R. "Local Enforcement Agency" or "LEA" means the Glenn County Environmental Health Department, which is designated as such by the Board of Supervisors;

S. "Modification or repair" means the deepening of a well, reformation, sealing or replacement of a well casing.

T. "Monitoring well" means a well that is used for monitoring or sampling the condition of a water-bearing aquifer, such as water pressure, depth, movement or quality.

U. "Navigable waters" means waterways capable of being navigated by oar or motor-propelled small craft, consistent with the California public right of navigation test.

V. "Overdraft" shall mean the condition of a groundwater basin where the amount of water withdrawn exceeds the amount of water replenishing the basin over a period of time. Also, as the point at which extractions from the basin exceed its safe yield plus any temporary surplus.

W. "Percolation" shall mean the movement of water through the soil to the groundwater table.

X. "Permeability" shall mean the capability of soil or other geologic formation to transmit water.



Y. "Person" includes any person, firm, association, corporation, organization, partnership, business trust, company, or special district formed under the laws of the State of California.

Z. "Piezometric surface" shall mean the surface to which the water in a confined aquifer will rise.

AA. "Pollution" means an alteration of the quality of water to a degree which unreasonably affects (1) Such waters for beneficial uses; or (2) Facilities which serve such beneficial uses. Pollution may include contamination.

BB. "Porosity" shall mean voids of open spaces in alluvium, other soils and rocks that can be filled with water.

CC. "Public nuisance," when applied to a well, means any well which threatens to impair the quality of ground water or otherwise jeopardize the health and safety of the public.

DD. "Public trust resources" means waterways the government is obligated to hold in trust pursuant to the Public Trust Doctrine for the benefit of the public for purposes of commerce, navigation, recreation, fishing, and preservation of wildlife habitat and natural resources.

EE. "Public water system well" means a water well that is constructed or used to supply water for domestic purposes in systems subject to the requirements of sections 116275 et seq. of the California Health and Safety Code (California State Safe Drinking Water Act) as amended from time to time.

FF. "Radius of influence" shall mean the radial distance from the center of a well bore to the point where there is no lowering of the water table or potentiometric surface (the edge of the well's cone of depression).

GG. "Recharge" shall mean flow to groundwater storage from precipitation, infiltration from streams, irrigation, spreading basins, and other sources of water.

HH. "Replacement well" means the construction of a new well to replace an existing well where the existing well is destroyed under permit within 90 days of completion of the replacement well.

II. "Safe yield" shall mean the maximum quantity of water which can be withdrawn annually from a groundwater supply under a given set of conditions without causing an undesirable result. The phrase "Undesirable Result" is intended to refer to a gradual lowering of the groundwater levels resulting in, or tending to result in, the eventual depletion of or the substantial diminution of the supply of water.

JJ. "Saltwater intrusion" shall mean the movement of saltwater into freshwater aquifers.

KK. "Specific capacity" shall mean the volume of water pumped from a well in gallons per minute per foot of drawdown.

LL. "Spreading water" shall mean discharging native or imported water to a permeable area for the purpose of allowing it to percolate to the zone of saturation. Spreading, artificial recharge and replenishment all refer to operations used to place water in a groundwater basin.

MM. "Test or exploratory hole" means an excavation used for determining the nature of underground

geological or hydrological conditions, whether by seismic investigation, direct observation, or any other means.

NN. "Transmissivity" shall mean the rate of flow of water through an aquifer.

OO. "Usable storage capacity" shall mean the quantity of groundwater of acceptable quality that can be economically withdrawn from storage.

PP. "Water table" shall mean the surface where groundwater is encountered in a well in an unconfined aquifer.

QQ. "Well" means any artificial excavation constructed by any method for the purpose of extracting water from or injecting water into, the underground, or for providing cathodic protection or electrical grounding of equipment, or for making tests or observations of underground conditions, or for any other similar purpose. Wells include, but shall not be limited to, community water supply wells, individual domestic wells, livestock wells, industrial wells, agricultural wells, cathodic protection wells, electrical grounding wells, test and exploratory holes and observation wells, as defined herein, and other wells whose regulation is necessary to fulfill the purpose of this chapter. This definition shall not include oil and gas wells, or geothermal wells constructed under the jurisdiction of the State Department of Conservation, except those wells converted to use as water wells.

RR. "Well drilling contractor" means a contractor licensed in accordance with the provisions of the Contractor's License Law, Chapter 9 of Division 3 of the Business and Professions Code (commencing with section 7000), as amended from time to time, and who shall possess a valid C-57 water well contractor's license.

SS. "Zone of saturation" shall mean the area below the water table in which the soil is completely saturated with groundwater.

#### **20.08.040 Duties & Powers of the Local Enforcement Agency (LEA).**

A. The LEA shall enforce all the provisions of this chapter and may issue correction notices, notices of violation, stop work orders, and citations for any violations of this chapter, or any permit issued pursuant to this chapter.

B. Nothing contained in this chapter shall be construed to prevent the LEA from requiring compliance with higher requirements than those contained herein where such higher requirements are essential to protect public health, safety, welfare, water quality and the environment.

#### **20.08.050 Well Standards.**

A. In order to provide minimum standards for the proper regulation of well placement, construction, replacement, repair, modification and destruction, the State of California water well standards (Department of Water Resources Bulletin 74-81 and 74-90) which may be amended from time to time, are hereby adopted, incorporated and made a part of this chapter by this reference without further publication, as though set forth at length in this chapter and are hereby declared to be the well placement, construction, replacement, repair, modification and destruction code of Glenn County, except where superseded by this chapter.

B. Meters shall be required on all new, replacement, repaired and modified wells which have a casing larger than six (6) inches in diameter. Meters shall meet all current applicable industry standards and be installed per the manufacturer's specifications.

C. All annular well seals shall extend at least five (5) feet into the first low permeability stratum encountered and to at least fifty (50) feet. The annular well seal minimum depth may be reduced when salinity or bedrock restrictive layers are encountered during well construction, provided that the well complies with all other sections of this chapter. The LEA shall require that the well complies with the annular well seal minimum depth requirements to the extent reasonably possible. Salinity or bedrock restrictive layers shall be confirmed thru samples, in writing, and approved by the LEA.

D. All well destruction seals shall extend at least fifty (50) feet below ground surface or to the total depth if the well is less than fifty (50) feet in depth.

E. All agriculture, industrial, community water supply, domestic, and livestock water wells shall be tested for total dissolved solids (TDS) and the results shall be submitted to the LEA before the casing is installed. The Department of Water Resources (DWR) considers groundwater with a TDS concentration above 1,000 mg/L to be brackish or saline and would require treatment prior to use for agriculture industrial or drinking water.

F. All saline, poor-quality, polluted or contaminated portions of the aquifer shall be sealed from good-quality water portions of the aquifer to prevent contamination.

G. All agriculture, industrial, community water supply, domestic, and livestock water wells shall be disinfected, using the conventional and acceptable methods, at the time of the construction, replacement, repair or modification and prior to the well being used or placed into service. Water used for the drilling of community water supply and domestic water supply wells shall be secured from a potable source or another groundwater well.

H. All agriculture, industrial, community water supply, domestic, and livestock water wells shall be located with a minimum setback of fifty (50) feet, as measured from top of the bank, from, but not limited to, lakes, rivers, streams, ponds, canals, reservoirs and wetlands.

I. All agriculture, industrial, community water supply, domestic, and livestock water wells shall be located with a minimum setback of ten (10) feet from a property line.

J. All agriculture, industrial, community water supply, domestic, and livestock water wells shall have a casing that extends at least eighteen (18) inches above all known levels of flooding and at least eighteen (18) inches above grade.

K. Steel well casing shall be no less than ten gauge in thickness.

#### **20.08.060 Permit Required.**

No person, firm, association, organization, partnership, joint venture, business trust, corporation, company, federal, state or local agency, or special district formed under the laws of this state shall, within the County of Glenn, construct, replace, repair, modify or destroy a well unless a permit has first been obtained and approved by the LEA as provided in this chapter.

## 20.08.070 Permit Application, Issuance & Term.

Applications for permits shall be made to the LEA together with the required fee established by the board of supervisors of the County of Glenn. If construction, replacement, repair, modification or destruction of a well is begun prior to obtaining a permit, the fee for such permit may be doubled, but shall not relieve any person from fully complying with the provisions of this chapter nor from any other penalties described in this chapter. Applications shall be made on forms provided by the LEA. Applications for permits to construct, replace, repair, modify or destroy a well shall include the following information:

- A. Location of the well on the property/parcels and the location and size in acreage of the contiguous properties and assessor's parcel number to be served.
- B. Well location longitude and latitude.
- C. Name, address and contractor's license number of the person who will construct the well.
- D. The proposed depth of the well.
- E. The proposed well casing diameter.
- F. The proposed screen depth intervals.
- G. The size of the proposed pump.
- H. The proposed use of the well.
- I. An accurate plot plan which will show the following:
  1. Property lines with dimensions and existing and proposed buildings.
  2. Sewage disposal systems, sewer lines, and any other works carrying or containing sewage within two hundred (200) feet of the proposed well.
  3. All intermittent perennial, natural or artificial bodies of water or watercourses.
  4. All other existing wells.
  5. The approximate surface drainage pattern of the property and areas subject to flooding.
  6. All existing and proposed structures.
- J. Such additional information as required by the LEA.
- K. The LEA is authorized to reduce the amount of information required to be included in a permit application when applicable based upon the permit type.

J. The LEA shall review all completed permit applications. If the application, site evaluation or plans do not conform to the requirements of this chapter and all pertinent laws and ordinances, the application shall be denied in writing, including the reasons for denial. If the LEA is satisfied that the proposed work conforms to the requirements of this chapter and all pertinent laws and ordinances, a water well permit shall be issued.

K. The LEA shall stamp or endorse in writing all permits and all sets of approved plans. One set of such approved plans and the permit shall be retained by the LEA and another set shall be kept at the well construction site, open to inspection by the LEA at all reasonable times. All work shall conform to the approved plans for which the permit has been issued and any approved amendments.

L. Every permit expires one year after issuance. If the permittee cannot complete the work within one year, the LEA may extend the permit for one additional year if the permittee applies for an extension prior to expiration of the permit and pays the required fees.

#### **20.08.080 Exempt Wells.**

The following wells shall not be subject to requirements set forth in sections 20.08.090 and 20.08.100:

A. Wells that will provide less than two (2) acre-feet per year of groundwater for individual domestic users, livestock or that will exclusively provide groundwater to public water supply systems as defined in section 116275 of the California Health and Safety Code as may be amended from time to time.

B. Limited purpose wells including:

1. Fire suppression wells;
2. Cathodic protection wells;
3. Geothermal wells;
4. Soil borings;
5. Monitoring and mitigation wells; and
6. Exploratory wells used only for the limited purpose of determining the presence of sufficient potable water.

#### **20.08.090 Consultant Review Required for Non-Exempt Wells.**

A. All non-exempt well permit applications shall include the proposed well construction design along with the maximum pump size and specifications. Those applications shall be reviewed by a consultant, retained by the County, for the purpose of conducting hydrogeologic studies to determine the likelihood that extractions from the proposed well will cause: interference with the production and function of existing nearby wells; subsidence that would adversely impact or damage nearby infrastructure or cause exceedance of Groundwater Sustainability Plan minimum thresholds for land subsidence; groundwater level declines that will cause exceedance of Groundwater Sustainability Plan minimum thresholds for groundwater levels; exceedance of Groundwater Sustainability Plan minimum thresholds for water quality; or, exacerbate a substantial adverse impact on public trust resources of navigable waters. When applicable, the consultant shall provide well design mitigation measures intended to eliminate impacts to nearby wells, land subsidence,

groundwater levels, water quality and public trust resources of navigable waters. The cost of such studies and design mitigation measures shall be borne by the applicant.

B. The consultants hydrogeological study results and well design requirements shall be submitted to the LEA within thirty (30) days of receiving the application package. The results shall be in report form and in a format approved by the county.

#### **20.08.100 Groundwater Sustainability Agency (GSA) Approval.**

A permit application for a new, replacement, modified or repaired non-exempt well in a basin subject to the Sustainable Groundwater Management Act, and classified as medium or high-priority, shall include written verification from the GSA managing the basin, or area of the basin where the well is proposed to be located, that groundwater extraction by the proposed well would not be inconsistent with any sustainable groundwater management program established in any applicable Groundwater Sustainability Plan adopted by that GSA and would not decrease the likelihood of achieving a sustainability goal for the basin covered by such a plan.

#### **20.08.110 Permit Approval.**

The LEA may approve or deny the permit after reviewing the application and the report of the consultant. As a condition of approval, the applicant may be required to implement the design mitigation measures required by the LEA. The LEA may require additional hydrogeological studies deemed necessary for consideration of the application. The cost of such additional studies shall be borne by the applicant.

#### **20.08.120 Inspections.**

A. The LEA is hereby empowered to enter upon private property in order to make inspections for the purpose of enforcing the provisions of this chapter in the manner set forth in Title 1, Chapter 14, Section 1.14.020 of this code. A final inspection of the work performed on any well pursuant to this chapter shall be made by the LEA unless such inspection is waived by the LEA. No permittee shall be deemed to have complied with this chapter or the conditions of the permit until such inspection has been either made and the installation approved, or the inspection waived by the LEA.

B. The LEA shall inspect the proposed well location before any drilling begins to confirm the location meets the provisions of this chapter.

C. The LEA shall be notified a minimum of twenty-four (24) hours prior to installing or placing a sanitary seal. Drillers who anticipate completing a well in less than a day may notify the LEA twenty-four (24) hours prior to commencement of drilling and provide the anticipated time at which the sanitary seal shall be installed. Notification does not guarantee a requested inspection date or time.

#### **20.08.130 New, Replacement and Repaired Exempt Well Minimum Depth Requirements.**

A. New, replacement and repaired exempt wells shall extend at least fifty (50) feet below the most current minimum threshold established by the applicable Groundwater Sustainability Plan adopted by the corresponding Groundwater Sustainability Agency (GSA). The minimum threshold may vary depending on the location within the groundwater basin. The minimum permitted well depth is not a guarantee as to water availability or production, but rather a minimum requirement only for the specific area.

B. The minimum depth requirement may be reduced when salinity or bedrock restrictive layers are encountered during well construction and all other mitigative options have been exhausted, so long as the well is in compliance with all other sections of this chapter. The LEA shall require that the well complies with the minimum depth requirements to the extent reasonably possible. Salinity and/or bedrock restrictive layers shall be confirmed thru samples, in writing and approved by the LEA.

C. Minimum depth requirements shall only apply to wells located within an established high or medium priority groundwater basin.

#### **20.08.140 Well Completion Report.**

As required by section 13751 of the California Water Code, which may be amended from time to time, every person who digs, bores, or drills a water well, cathodic protection well, groundwater monitoring well, or geothermal heat exchange well; abandons or destroys such a well; or deepens or re-perforates such a well; shall file a Well Completion Report of that well with the LEA within 60 days of the date of completion.

#### **20.08.150 Electric Logging (E-Log) Required.**

A. If a well is larger than eight (8) inches, a test hole shall be drilled, and the E-Log submitted to the LEA for review. In addition, the proposed well construction shall meet the conditions listed below:

1. To the extent feasible, controlling hydrological conditions that existed before the well was drilled and constructed, including the elimination of physical hazards.
2. Prevent pollution of groundwater.
3. Preserve the integrity of the aquifers.
4. Prevent intermingling of potable and irrigable waters with saline and other unsuitable waters.

B. The purpose of these conditions is to manage interactions between new, replacement, modified and existing neighboring wells.

C. The LEA does not design the proposed well. The applicant and contractor are responsible for submitting the proposed well design.

D. Upon receiving the proposed well design, and prior to approving drilling of the well, the LEA will review and determine if the requirements of this chapter, and all pertinent laws and ordinances, have been met.

#### **20.08.160 Replacement of Existing Wells.**

If a new well must be constructed as a result of the failure of an existing well, the LEA may condition issuance of a permit on the mandatory destruction of the existing well in accordance with the methods and requirements of this chapter. A well may be deemed to have failed under the following circumstances:

- A. When groundwater drops to a level below the useful depth of the well.

B. When the well yields sand or soil in quantities to make it unusable for domestic, agricultural or industrial purposes.

C. When contamination is present.

D. When the well is inside of the established minimum setback requirements from potential sources of contamination.

E. When established setback requirements do not exist and, in the judgment of the LEA, degradation of the groundwater is likely to occur or continue if the well is not destroyed.

#### **20.08.170 Well Destruction.**

All abandoned wells, as defined in this chapter, shall be destroyed according to the following standards:

A. A well that is no longer useful (including exploration and test holes) shall be destroyed in order to ensure that the groundwater supply is protected and preserved for future use and to eliminate potential physical hazards.

B. After all reasonable efforts to clear contamination have been made, a well that contains poor-quality water, pollutants, contaminants or is a potential hazard to the purity of the groundwater, shall be destroyed by completely filling the well with an approved sealing material or by destruction standards and methods required by the LEA.

C. Observation or test wells used in the investigation or management of groundwater basins by government agencies or research/engineering organizations are not considered abandoned if they are maintained for that purpose; however, such wells shall be covered with an appropriate cap, bearing the label "Observation Well" and the name of the agency or organization, and shall be locked when measurements are not being made. When these wells are no longer used for this purpose, or for supplying water, they shall be considered abandoned.

#### **20.08.180 Permit Revocation, Rescission and Hazard Abatement.**

A. A permit issued pursuant to this chapter may be revoked by the LEA if the LEA determines that a violation of this chapter exists, that written notice has been directed to the permittee specifying the violation, and that the permittee has failed or neglected to take corrective action within the time specified in the notice.

B. A permit may also be rescinded by the LEA upon determination that the permit was obtained by false statement or misrepresentation. The permittee shall be notified in writing of the action and the rescission shall be effective upon the date of issuance of the notification.

C. Whenever the LEA determines that any well on private property has become a hazard to public safety; endangers property; or adversely affects the safety, use, or stability of an adjacent property, an overhead or underground utility, or a public way or watercourse; or could adversely affect the water quality of any watercourse or water body, the LEA shall provide written notice to the owner or other person in control of the property, identifying the hazard; what must be done to eliminate the hazard; and, the time within which the actions must be taken. Upon receipt of the written notice from the LEA, the owner or other person in control of the property shall, within the time specified in the notice, take those actions necessary to eliminate the hazard and conform with the requirements of this chapter. Failure to eliminate the hazard within the time



prescribed could result in violations and penalties pursuant to this chapter and all pertinent laws and ordinances.

#### **20.08.190 Appeals.**

A. The applicant or any aggrieved party may appeal a decision of the LEA or any notice of violation issued. Any such administrative appeal shall be commenced by filing a written request within ten (10) days after service of notice or determination with the clerk of the board of supervisors for a hearing. If the tenth (10th) day falls on a county holiday or weekend, the time to request the hearing shall be extended to the next day that is not a holiday or weekend. The written request shall include a statement of all facts supporting the appeal. The time requirement for filing such a written request shall be deemed jurisdictional and may not be waived. In the absence of a timely filed written request that complies fully with the requirements of this section, the findings of the LEA or the enforcing officer contained in the notice or determination shall become final and conclusive on the eleventh (11th) day following service of the notice or determination.

B. Upon timely receipt of a written request for hearing which complies with the requirements of this section, the clerk of the board of supervisors shall set a hearing date not less than seven business days nor more than twenty-one (21) business days from the date the request was filed. The clerk shall send written notice of the hearing date to the requesting party, to any other parties upon whom the notice was served, and to the LEA and/or enforcing officer. A failure to set a hearing date within this time period is not jurisdictional.

C. Unless jurisdiction over a specific violation or determination is exercised by the board of supervisors at a meeting of the board of supervisors, the hearings required by this chapter and California Government Code Section 25845, to be heard by the board of supervisors are hereby delegated to an administrative hearing officer established by Chapter 2.28 of the Glenn County Code.

D. Pursuant to California Government Code Section 25845, subdivision (i), the administrative hearing officer shall preside over the hearing and decide evidentiary issues and any requests for delays.

E. The administrative hearing officer shall not determine the legality of this chapter or legality of the enforcement procedures used. The administrative hearing officer shall determine if the decision of the LEA or the enforcing officer conforms to this chapter and is supported by a preponderance of the evidence presented by the LEA or enforcing officer or his or her department. The hearing shall be recorded. The record and evidence shall be preserved for three years.

F. If requested by the administrative hearing officer, the County Counsel shall appoint a deputy county counsel to impartially advise the administrative hearing officer. He or she shall not have been involved in assisting the LEA or the enforcing officer, or the enforcing officer's department, on the determination or enforcement action at issue.

G. Any hearing conducted pursuant to this chapter need not be conducted according to technical rules of evidence. Any relevant sworn evidence shall be admitted if it is the sort of evidence on which responsible persons are accustomed to rely in the conduct of serious affairs regardless of the existence of any common law or statutory rule which might make improper the admission of the evidence over objection in civil actions. The administrative hearing officer has discretion to exclude evidence if its probative value is substantially outweighed by the probability that its admission will necessitate undue consumption of time.

H. The written findings and recommendations of the administrative hearing officer shall be referred to the board of supervisors, and the appellant, within fifteen (15) days of the conclusion of the hearing. The board of supervisors may adopt the recommendation without further notice of hearing or may set the matter for a de novo hearing before the board of supervisors. No specific form is required for the findings and recommendations, which need only be generally stated. Written notice of the administrative hearing officer's findings and recommendations shall be mailed to the appellant at the address listed on the application and/or appeal.

G. The decision of the board of supervisors, which shall be by resolution, shall be final and conclusive. A failure to appeal the determination of the LEA or the enforcing officer will constitute a failure to exhaust administrative remedies by the responsible person(s).

H. This section does not authorize appeals to the board of supervisors from any action of the LEA authorized or required by state law or regulation.

#### **20.08.200 County Action Not Guarantee.**

This chapter shall not be construed as imposing upon the county any liability or responsibility for damage resulting from defective placement, construction, replacement, modification, repair or destruction of any well or for damage to, or interference with, wells on adjoining or other properties. Neither the issuance of a permit pursuant to this chapter, final inspection of work performed on any well pursuant to this chapter, nor the waiver of such final inspection shall be, nor construed to be, a guarantee by the County of Glenn that suitable water in sufficient quantity and quality is available from any well.

#### **20.08.210 Conflicting Regulations.**

Where there is a conflict between the regulations of this chapter and any other chapter of local, state or federal regulation, the greater or more stringent regulation or restriction shall apply and shall be enforced by persons authorized in this chapter.

#### **20.08.220 Violations and Penalties.**

Pursuant to section 1.13.010 of this code, any person who violates any regulatory or prohibitory provision of this chapter is guilty of a misdemeanor punishable by a fine not exceeding five thousand (\$5,000.00) dollars, or by imprisonment not exceeding six months, or by both such fine and imprisonment. A separate offense is committed upon each day or portion thereof during or on which a violation occurs or continues. Nothing herein shall be deemed to abrogate or annul the right to enjoin or abate such violations by civil action.

**SECTION 2:** If any section, subsection, sentence, clause, portion, or phrase of this ordinance is for any reason held illegal, invalid, or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions hereof. The Board of Supervisors hereby declares that it would have passed this Chapter and each section, subsection, sentence, clause, portion, or phrase hereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared illegal, invalid or unconstitutional.

**SECTION 3:** This ordinance shall take effect thirty (30) days after the date of its adoption and before the expiration of fifteen (15) days from the date of passage thereof shall be published at least once in a

newspaper of general circulation, in the County of Glenn, State of California, together with the names of the members of the Board of Supervisors voting for and against the same.

PASSED AND ADOPTED this \_\_\_\_\_ day of April 2023, by the Glenn County Board of Supervisors, State of California, by the following vote:

AYES:  
NOES:  
ABSENT:

\_\_\_\_\_  
Chairman, Board of Supervisors

ATTEST:  
SCOTT H. DE MOSS

By: \_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM

By: \_\_\_\_\_  
William J. Vanasek, County Counsel

DRAFT

## 11. COMMITTEE UPDATES

- a. Executive Committee
  - i. CGA/GGA Joint Executive Committee
- b. Fee Study Ad Hoc Committee
- c. Groundwater Recharge Pilot Project Ad Hoc Committee
- d. Technical Advisory Committee

The **GGA Executive Committee** last met July 27, 2022. The CGA/GGA Joint Executive Committee met January 28, 2022. The next GGA Executive Committee meeting has not been scheduled.

Committee Members: John Amaro, Matt Deadmond, Gary Hansen

The **Fee Study Ad Hoc Committee** has been coordinating with staff and the consultant team (Luhdorff & Scalmanini) and plans to meet during the next week.

Committee Members: John Amaro, Grant Carmon, Mark Lohse

The **Groundwater Recharge Pilot Project Ad Hoc Committee** last met April 3, 2023 to continue to work with the consultant team (Geosyntec/Water and Land Solutions) on groundwater recharge. There was discussion on Phase 1 (short-term) and Phase 2 (long-term) planning and logistics as well as potential outreach and publicizing the project.

Committee Members: Emil Cavagnolo, Matt Deadmond, Chuck Schonauer, Bruce Roundy, Gary Enos

The **Technical Advisory Committee (TAC)** last met jointly with the Colusa Groundwater Authority (CGA) Technical Advisory Committee on March 10, 2023. The Joint TAC received a presentation on the Draft Colusa Subbasin Water Year 2022 Annual Report. The Joint TAC expects to begin focusing their efforts on prioritizing technical tasks through the GSP five-year update to recommend to the GSA Boards. The next CGA/GGA Joint TAC meeting is scheduled for April 14, 2023, but is expected to be cancelled and instead meet at the regularly scheduled May 12, 2023 meeting time.

Full page slides of TAC presentations and other meeting materials are available on the GGA website at:

<https://www.countyofglenn.net/dept/planning-community-development-services/water-resources/glenn-groundwater-authority/gga>

Committee Members: Tavis Beynon, Matt Deadmond, Emil Cavagnolo, Mark Lohse, Zac Dickens, Don Bills

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## 12. CLOSED SESSION

Gov't Code §54956.9 – Conference with Legal Counsel – Anticipated or significant exposure to litigation regarding tax refund claims and challenges to previously adopted property related fees.

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## 13. CLOSED SESSION

Gov't Code §54956.9 – Conference with Legal Counsel – Existing Litigation  
Aqualliance, California Water Impact Network, and California Sportfishing Alliance vs. Colusa Groundwater Authority, Glenn Groundwater Authority  
Colusa County Superior Court - Case Number CV24584

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#### **14. REPORT OUT FROM CLOSED SESSION**

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#### **15. MEMBER REPORTS AND COMMENTS**

Members of the GGA Board are encouraged to share information, reports, comments, and suggest future agenda items. Action cannot be taken on items brought up under this item.

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#### **16. NEXT MEETING**

The next regular meeting is scheduled for May 8, 2023 at 1:30 p.m.

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#### **17. ADJOURN**

The meeting will be adjourned.

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\*Indicates Action Item