Prop 1 and Prop 68 SGWP Grant Progress Report

Grantee Name:	<u>Colusa Groundwater Authority</u>
Grant Agreement No.:	<u>46-00012655</u>
Progress Report No.:	<u>14</u>
Reporting Period:	<u>2022 Q14 – January 1, 2022 – March 31, 2022</u>
Prepared:	<u>April 30, 2022</u>

Project or Component #1: Grant Administration

Completion Checklist	Completed?
Narrative Description	\boxtimes
Appendix A – Status of Required Deliverables	\boxtimes
Appendix B – Stakeholder Outreach & Coordination Documer	ntation 🛛
Appendix C – GSP Development Activities	\boxtimes
Appendix D – Project Photographs	\boxtimes
Appendix E – Invoice Projections	\boxtimes

Narrative Description(s)

1. Project or Component Description

The Project encompasses all of the activities associated with the planning, development and preparation of one or more GSP(s) for the Colusa Subbasin of the Sacramento Valley Groundwater Basin (5-021.52). The completed GSP will comply with and meet the requirements of DWR's GSP regulations. The GSP project will be prepared and implemented by the two Groundwater Sustainability Agencies (GSAs) that have been formed in the subbasin: the Colusa Groundwater Authority (CGA) (representing agencies and landowners in Colusa County), and the Glenn Groundwater Authority (GGA) (representing agencies and landowners in Glenn County). The Colusa Groundwater Authority is the grant administrator. The CGA and GGA are equal partners in this endeavor.

2. Project Progress

Budget Category (a): Grant Administration

During this reporting period, CGA Staff, in coordination with GGA Staff and the DWR Grant Administrator, completed the thirteenth quarterly report and quarterly invoices (Prop. 1 and Prop. 68) for this project.

Updates on All Tasks (activities accomplished during the reporting period)

- Milestones or Deliverables Completed/Submitted
 - The thirteenth Quarterly Report (October 1-December 31, 2021) was completed and submitted
 - The Quarterly Invoices for Proposition 1 and Proposition 68 were completed and submitted
 - 5th Amendment was submitted to DWR in March 2022 to update end dates of Contract areas to better align with completion of the Well Monitoring Pilot Program, to extend the timeline to expend remaining funds on outreach, and to extend the timeline for various administrative tasks to complete the grant administration.

- Impediments to Completion of Task
 - None
- Describe activities that negatively or positively impacted the schedule and/or budget
 - A Grant Amendment (the 5th Amendment) was requested during this reporting period to extend the end date of Category (a) to 8/31/2022 to accommodate shifts in other task schedules.

Budget Category (b): Stakeholder Outreach and Education

During this reporting period, CGA Staff, GGA Staff and the Consultant Team participated in periodic project update phone meetings.

Appendix B contains presentations from GSA Board and Technical Advisory Committee (TAC) meetings that contain information about the progress of stakeholder outreach and education. The CGA and GGA each hold regular Board meetings, TAC meetings, and standing subcommittee meetings which are open to the public and interested stakeholders are encouraged to attend. CGA and GGA Member Agencies also hold public Board meetings where SGMA-related updates are provided. Public comments may be made at all of these meetings. GSA Staff and the Consultant Team provided updates on SGMA-related work that was funded under this grant at various venues during this reporting period. Grant funding is not used for the GSA Board meetings, Member Agency Board meetings, or the Staff updates at various venues, but these activities are all relevant to the overall project.

A summary of the first GSP Annual Report and current groundwater conditions in the Colusa Subbasin was presented at the following public meetings:

- CGA/GGA Joint TAC Meeting: March 11, 2022
- GGA Board Meeting: March 16, 2022
- CGA Board Meeting: March 22, 2022

Additional public outreach to present the first GSP Annual Report and current groundwater conditions is planned for the next reporting period.

Other public outreach activities during this reporting period include:

- Development of a press release to announce the successful adoption and submittal of the Colusa Subbasin GSP in January 2022.
- Preparation and distribution of promotional materials advertising the second round solicitation for the Well Monitoring Pilot Program. Promotional materials were distributed through social media (<u>https://www.facebook.com/ColusaSubbasin</u>), the CGA/GGA websites, and through email distribution lists.
- Presentation on funding and financing planning for GSP implementation at a CGA/GGA Joint Board Meeting on March 10, 2022.
- Distribution and solicitation of public comments on the first GSP Annual Report during March 2022. Notification of the first GSP Annual Report was made through the GSA websites and email distribution lists.
- Comments and stakeholder input were formally tracked and addressed in a comment log.

Updates on All Tasks (activities accomplished during the reporting period)

- <u>Milestones or Deliverables Completed/Submitted</u>
 - Public outreach and presentations on grant-funded activities were provided at the following meetings. All meetings listed were open to the public. Available meeting materials are provided in **Appendix B**.
 - 3/10/2022 CGA/GGA Joint Board Meeting (presentation on funding and financing planning for GSP implementation)
 - 3/11/2022 CGA/GGA Joint TAC Meeting (presentation on the first GSP Annual Report and current groundwater conditions)
 - 3/16/2022 GGA Board Meeting (presentation on the first GSP Annual Report and current groundwater conditions)
 - 3/22/2022 CGA Board Meeting (presentation on the first GSP Annual Report and current groundwater conditions)
- Impediments to Completion of Task
 - None
- Describe activities that negatively or positively impacted the schedule and/or budget.
 - Outreach expenses during the GSP development process were less than initially planned. A Grant Amendment (the 5th Amendment) was requested during this reporting period to extend the timeline for expending the outreach budget. Further public outreach and education is planned during the next reporting period to share information on the first GSP Annual Report and on current groundwater conditions in the Colusa Subbasin.

Budget Category (c): GSP Development and Annual Report

Appendix B contains presentations from GSA Board and TAC meetings that contain information about the progress of the Colusa Subbasin GSP and the first GSP Annual Report.

Coordination

During this reporting period, CGA Staff, GGA Staff and the Consultant team participated in periodic project update phone meetings. Over the course of this project, these meetings have been scheduled every two weeks or as needed.

Interbasin Coordination

The Consultant Team and GSA Staff participated in the Northern California Water Association (NCWA) interbasin coordination meeting to discuss coordinated monitoring between subbasins, coordinated approaches to GSP Annual Report development, and interbasin groundwater management efforts after GSP submittal.

Public Outreach

In February-March 2022, the Consultant Team and GSA Staff prepared and distributed promotional materials advertising the second round solicitation for the Well Monitoring Pilot Program (described below). The Consultant Team and GSA Staff also prepared a press release to announce the successful adoption and submittal of the Colusa Subbasin GSP.

Additional public outreach was conducted during GGA and CGA Board meetings and the CGA and GGA Joint TAC meeting in March 2022 that were open to and attended by members of the public. At each meeting, the Consultant Team and GSA Staff provided an overview of the first GSP Annual Report and provided an overview of current groundwater conditions in the Colusa Subbasin since GSP adoption. Additional public outreach to present the first GSP Annual Report and current groundwater conditions is planned for the next reporting period.

GSP Document Preparation

Following public input and GSA Board discussions in December 2021, the final GSP was approved by both the CGA Board of Directors and the GGA Board of Directors. In January 2022, the Consultant Team and GSA Staff uploaded the final GSP document and all required supporting materials to DWR through the SGMA online portal. The adopted GSP and all required supporting materials were submitted to DWR on January 28, 2022, before the January 31, 2022, deadline.

Annual Report

Work on the first GSP Annual Report started in January 2022 and was completed in March 2022. The Consultant Team completed analyses of water supply, water use, and groundwater conditions in the Colusa Subbasin between the end of the GSP historical water budget period (2015) and the previous water year (2021). The Consultant Team also prepared a complete draft version of the Annual Report, including a summary of these analyses, updates on groundwater monitoring, and updates on projects, management actions, and other GSP implementation activities since GSP development. The draft Annual Report was distributed to the GSA Boards, the GSA TACs, and members of the public for review on March 22. A summary of the draft Annual Report was also presented at a CGA/GGA Joint TAC meeting on March 11, a GGA Board meeting on March 16, and a CGA Board meeting on March 22. All comments received on the Annual Report were added to a comment log and were reviewed by the Consultant Team, in consultation with GSA Staff. The Consultant Team prepared the final Annual Report with consideration of the comments received in late March. The Annual Report was submitted to DWR by the April 1, 2022, deadline.

Funding and Financing Planning

In January-March 2022, the Consultant Team worked to develop a presentation for the CGA and GGA Boards to prompt discussion of funding and financing planning for GSP implementation. The goal of the presentation was to provide an overview of GSP implementation costs, the finance plan development process, and various options and examples that the GSAs may consider for assigning and covering costs. The presentation was given at a CGA/GGA Joint Board meeting on March 10, 2022.

Hydrogeologic Investigation

In January-March 2022, the Consultant Team, in consultation with GSA Staff, continued work on a strategic planning document that will guide implementation of many technical studies and planning

efforts identified in the GSP that would fill data gaps and support future refinements of the GSP. This strategic planning document, referred to as the Hydrogeologic Investigation, will provide background information on the data gaps identified in the GSP, and then identify specific measurable actions that can be completed to improve monitoring and address those data gaps. The Hydrogeologic Investigation will be organized to facilitate future grant applications to potentially fund those efforts. Development of the Hydrogeologic Investigation is being funded through the same grant that has supported other GSP development work. The Hydrogeologic Investigation will be completed during the next reporting period.

Additional Subsidence Benchmarks

In March 2022, the Consultant Team, in consultation with GSA Staff, continued work to identify new subsidence benchmark sites and began planning to procure and install the benchmarks. Planning and prioritization of new sites is coinciding with completion of the Hydrogeologic Investigation (described above), and is expected to focus on areas near critical infrastructure and where recent subsidence rates have increased most significantly, including the Arbuckle-College City area in Colusa County and the Orland-Artois area in Glenn County. Input from the GSAs, DWR, Colusa Subbasin stakeholders, and members of the public are also being considered. Installation of the new subsidence benchmarks is anticipated to occur during the next reporting period.

Data Management System

In January-March 2022, the Consultant Team and GSA Staff resumed discussions of the draft task outline for the recommended DMS work and discussed synergies with the Annual Report work. The Consultant Team began updating the existing DMS to support the Annual Report work, and prepared a revised task outline for efforts to support migration to a final DMS. The Consultant Team and GSA Staff have also begun discussions of an upcoming workshop and demonstration of the existing DMS platform with GSA Staff.

Updates on All Tasks (activities accomplished during the reporting period)

- <u>Milestones or Deliverables Completed/Submitted</u>
 - The final, adopted Colusa Subbasin GSP was submitted to DWR through the SGMA portal on January 28, 2022. <u>SGMA Groundwater Management (SGMA) Portal - Department of Water</u> <u>Resources (ca.gov)</u>
 - The draft first GSP Annual Report was prepared in January-March 2022, and was distributed to the GSA Boards, the GSA TACs, and members of the public for review in March 2022.
 - The final first GSP Annual Report was submitted to DWR by the April 1, 2022, deadline.
 - Planning and public outreach continued and four public presentations were given in March 2022 to discuss funding and financing plans for GSP implementation, the first GSP Annual Report, and current groundwater conditions in the Colusa Subbasin.
 - A presentation on funding and financing planning for GSP implementation was prepared and delivered to the CGA and GGA Boards in March 2022.
- Impediments to Completion of Task
 - None
- Describe activities that negatively or positively impacted the schedule and/or budget.
 - None

Budget Category (d): Monitoring/Assessment

In January 2022, the Consultant Team and GSA Staff resumed planning for an expansion of the Well Monitoring Pilot Program. In February-March 2022, new applicants and new sites were solicited for the Well Monitoring Pilot Program by email and social media. Following selection of new sites in April 2022, it is expected that all new sites will be enrolled in the program and monitoring equipment will be procured and installed during the next reporting period.

Updates on All Tasks (activities accomplished during the reporting period)

- <u>Milestones or Deliverables Completed/Submitted</u>
 - Public outreach was conducted by email and social media to solicit new sites to enroll in the Well Monitoring Pilot Program.
- Impediments to Completion of Task
 - None
- Describe activities that negatively or positively impacted the schedule and/or budget.
 - Some budget and schedule adjustments were necessary through a Grant Amendment request (the 5th Amendment) during this reporting period. Expansion of the Well Monitoring Pilot Program has led to greater expenses than initially planned for Category (d). Challenges and delays in soliciting new sites for the Well Monitoring Pilot Program and for procuring and installing monitoring equipment has also required shifts in the schedule for Category (d).

2. Major activities for next reporting period:

The next Quarterly Progress Report will cover the period of April 1-June 30, 2022. We anticipate the following activities:

- Quarterly Progress Report #14 and Prop. 1 and Prop. 68 Invoices will be completed and submitted.
- The Colusa Subbasin GSP Annual Report will be submitted to DWR via the SGMA Portal by the April 1, 2022, deadline
- The Hydrogeologic Investigation will be completed.
- The new Well Monitoring Pilot Program sites will be identified, monitoring equipment will be installed, and a final report on the data and findings from the Well Monitoring Pilot Program will be completed.
- Additional subsidence benchmark locations will be identified and benchmarks will be installed.
- A report discussing different Data Management System platform options, considerations, costs, and benefits will be completed.
- Ongoing public outreach efforts, including website updates, presentations, and updates at various agency meetings and workshops.

Appendix A Status of Required Deliverables

	TABLE 1: CATEGORY A: GRANT ADMINISTRATION			
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due dates	% Of Work Complete	Date Submitted
1	Executed Grant Agreement and Amendment(s) (if necessary)	12/31/2021	90	10/29/2018 (Amendment 5 executed 4/7/2022)
2	Quarterly Progress Reports and invoices with all required backup documentation	10/31/2022	93 (13 of 14)	
3	Environmental Information Form	6/4/2018	100	6/4/2018
4	Draft Grant Completion Report	7/31/2022	0	
5	Final Grant Completion Report	8/31/2022	0	

	TABLE 2: CATEGORY B: STAKEHOLDER OUTREACH AND COMMUNICATION			
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due date	% Of Work Complete	Date Submitted
1	Public Outreach Plan	9/13/2021	100	1/28/2022
2	Meeting Summaries included as attachments in the Quarterly Progress Report	6/30/2022	93	

	TABLE 3: CATEGORY C: GSP DEVELOPMENT			
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due dates	% Of Work Complete	Date Submitted
c) Task 1	Data Collection and Analysis	9/13/2021	100	1/28/2022
c) Task 2	Integrated Hydrologic Modelling	9/13/2021	100	1/28/2022
c) Task 3	Monitoring Protocols	9/13/2021	100	1/28/2022
c) Task 4	Data and Reporting Standards	9/13/2021	100	1/28/2022

	TABLE 3: CATEGORY C: GSP DEVELOPMENT			
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due dates	% Of Work Complete	Date Submitted
c) Task 5	Data Management System	6/30/2022	80	
c) Task 6	GSP Administrative Information	9/13/2021	100	1/28/2022
c) Task 7	Basin Setting	9/13/2021	100	1/28/2022
c) Task 8	Sustainable Management Criteria	9/13/2021	100	1/28/2022
c) Task 9	Monitoring Network	9/13/2021	100	1/28/2022
c) Task 10	Projects and Management Actions	9/13/2021	100	1/28/2022
c) Task 11	Draft GSP	11/30/2021	100	1/28/2022
c) Task 12	Proof of Final GSP submittal to DWR	1/31/2022	100	1/28/2022

	TABLE 4: CATEGORY D: MONITORING AND ASSESSMENT			
Budget Category Work Item#	Budget Category Work Items for Review	Estimated Due Date *Note new due date	% Of Work Complete	Date Submitted
c) Task 1	Well Monitoring Pilot Program	6/30/2022	75	

Appendix B

Stakeholder Outreach and Coordination Documentation

Agendas and presentations are attached from the following meetings:

- 3/10/2022 CGA/GGA Joint Board Meeting Agenda and Presentation (on funding and financing planning for GSP implementation)
- 3/11/2022 CGA/GGA Joint TAC Meeting Agenda and Presentation (on first GSP Annual Report and current groundwater conditions)
- 3/16/2022 GGA Board Meeting Agenda and Presentation (on first GSP Annual Report and current groundwater conditions)
- 3/22/2022 CGA Board Meeting Agenda and Presentation (on first GSP Annual Report and current groundwater conditions)
- Well Monitoring Pilot Program Round 2 Outreach and Solicitation Flyer

Joint Colusa Groundwater Authority and Glenn Groundwater Authority Board of Directors

MEETING AGENDA

March 10, 2022 | 1:00 p.m. Sites Project Office, 122 Old Highway 99, Maxwell, CA 95955

OR

Join Online Meeting

https://countyofcolusa.zoom.us/j/6707238820?pwd=NjFMcnJOUENuSFhtRFFtaWltejYzZz09

+1 669 900 6833 US (San Jose) Meeting ID: 670 723 8820 Passcode: 004212

One tap mobile +16699006833,,6707238820#,,,,*004212# US (San Jose)

* Indicates an Action Item

1. 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

- 2. Call to Order, Roll Call, and Introductions (CGA Board, GGA Board) (anticipated to begin at 1:30 p.m.)
- 3. * Consider Approval of Resolution No. 2022-03 Renewing Use of Remote Teleconference Meetings in Accordance with Government Code Section 57953(e) (CGA Board)

4. Period of Public Comment

At this time, members of the public may address the Colusa Groundwater Authority and Glenn Groundwater Authority regarding items that are not on the agenda but are of relevance. The Boards may not act on items not on the agenda.

- 5. Presentation: Developing a Colusa Subbasin Finance Plan
- 6. Presentation: Update on DWR Land Subsidence and other Groundwater Data and Tools

7. Member Reports and Comments

8. Adjourn

A complete agenda packet, including back-up information, is available for inspection during normal business hours at 1213 Market Street, Colusa, CA 95932 or 225 N. Tehama St., Willows, CA 95988. The full agenda packet can also be found on the CGA and GGA websites:

Agendas and Minutes 2022 | Colusa Groundwater Authority (CGA)

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

In compliance with the Americans with Disability Act, if you require special accommodation to participate in this meeting, please contact the Colusa County Water Resources Division at 530-458-0891 or Glenn County Water Resources Division at 530-934-6540 prior to any meeting and arrangements will be made to accommodate you.



Funding and Financing Planning for GSP Implementation

Joint GSA Board Meeting

March 10, 2022 1:00 – 3:30 pm









Colusa Groundwater Authority & Glenn Groundwater Authority Colusa Subbasin Groundwater Sustainability Plan FINAL DRAFT REPORT - SEPTEMBER 2021 COLUSA SUBBASIN

Overview

Purpose: Provide an overview of GSP costs, finance plan process, and options and examples for assigning costs

Desired Outcomes

- Review GSP cost categories and approximate GSP implementation costs (excluding PMAs)
- Provide an overview of the finance plan and fee study processes
- Present and receive feedback on options for assigning GSP implementation costs
- Define various action items needed for finance plan development

Topics

1. Review GSP-related costs (Duncan MacEwan)

- Administration
- Implementation (Data Gaps / Studies)
- PMAs
- 2. Finance Plan and Assigning costs (Steve Hatchett)
- 3. Examples from other subbasins (Duncan MacEwan)
- 4. Example options for the Colusa Subbasin (Duncan MacEwan)
- 5. Discussion

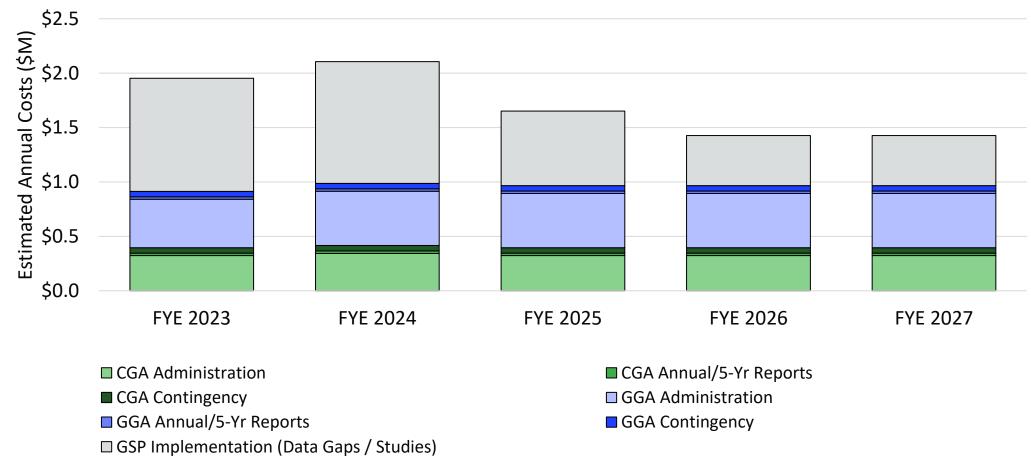
GSP Implementation Costs

GSP Implementation Cost Summary

- Projects and Management Actions
 - Capital
 - Planning/design studies
 - Annual operations and maintenance
- Groundwater Sustainability Agencies

- PMA Costs are not covered in this presentation, but remain critical for achieving SMC specified in GSP implementation
- Administration (legal, staff time, coordination, monitoring, finance, etc.)
- GSP technical studies to support GSP implementation and address data gaps
- GSP Annual Reports (§356.2)
- GSP 5-Year Assessments (§356.4)
- Contingency

GSP Implementation Costs Summary



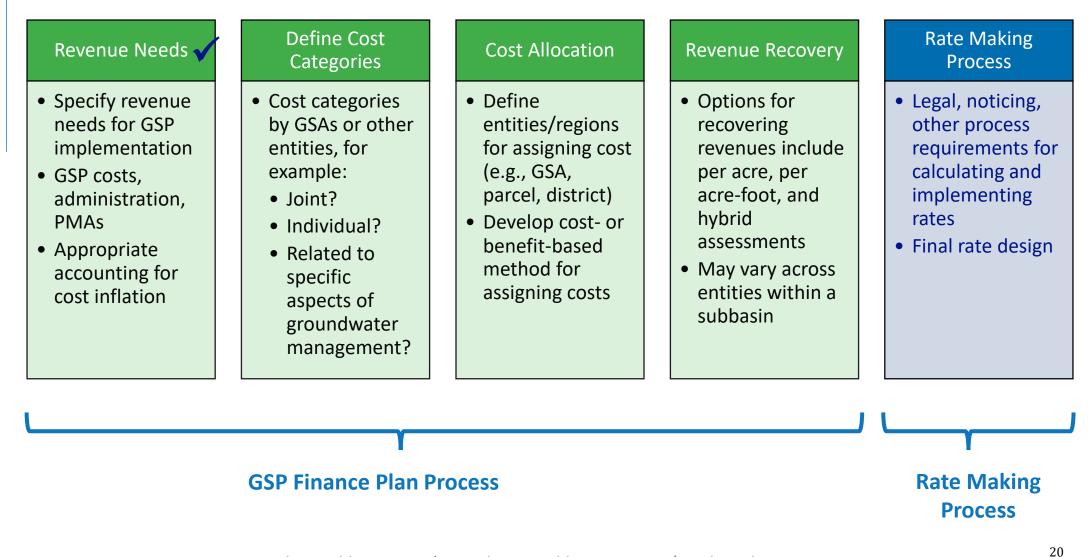
Note: Estimated costs are not indexed for inflation.

Revenue Needs Summary

- The next step in the financial plan would refine GSA revenue needs over the next 5 years and the full GSP implementation period
- This would include:
 - Refine GSP implementation costs
 - Refine GSA administrative budgets for GSP implementation
 - Consider PMAs that are critical for achieving SMCs and include in revenue needs
 - Assess potential grant funding opportunities
 - Apply an appropriate indexing for inflation for all cost line items

Finance Plan and Rate Study Process

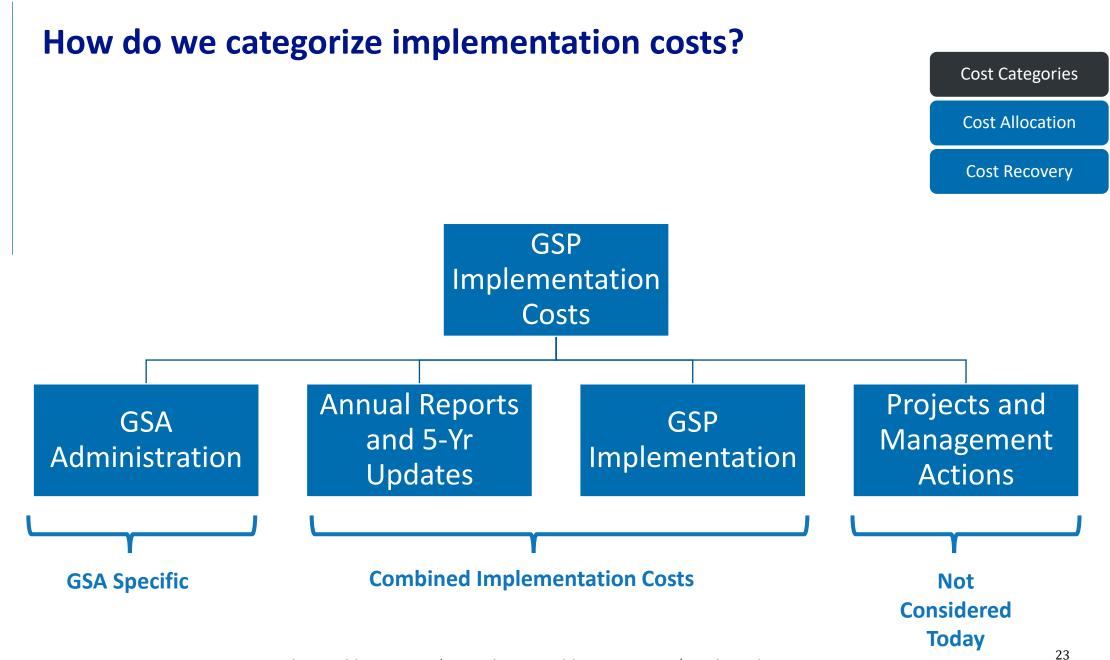
Overview of Financial Plan and Rate Making Process

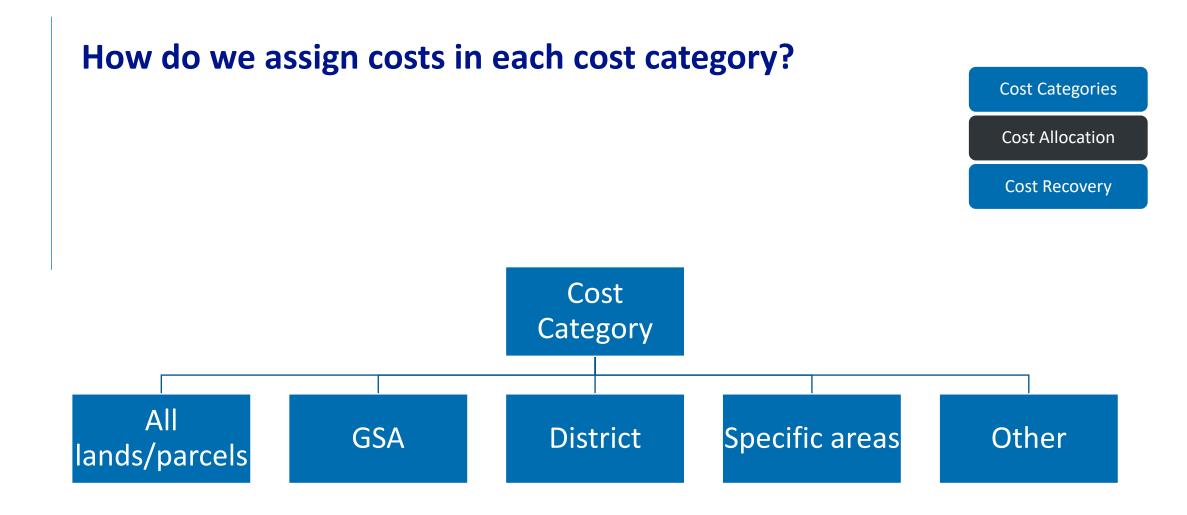


Categorizing, Assigning Responsibility, and Recovering Costs

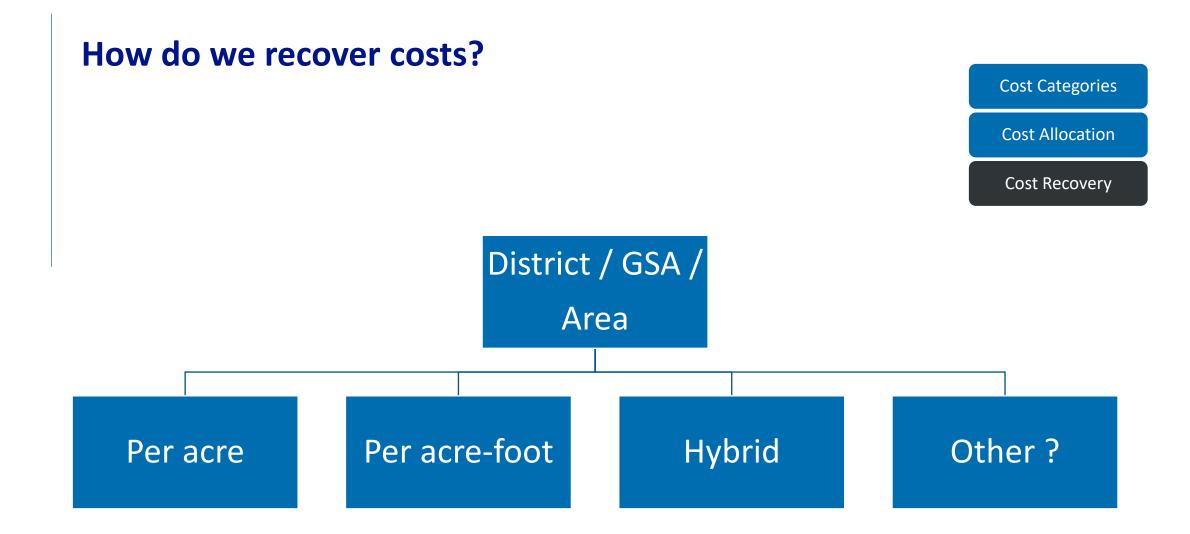
Policy Considerations for Assigning Costs

- Cost or benefit-based fair and equitable ways to assign GSP implementation costs
 - All lands that overlie usable groundwater benefit from sustainable management
 - Proportional contribution to groundwater extraction/recharge
 - Past investments in groundwater management
 - Access to useable groundwater
 - Rural residential and never-irrigated areas
- Questions to frame these policy decisions
 - Who benefits from GSP implementation and groundwater management more broadly?
 - How are GSP Sustainable Management Criteria (SMCs) related to groundwater use and users across the subbasin?





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Examples from Other Subbasins

Cosumnes Subbasin

- Prop 26
- Costs
 - Administration
 - PMAs (fee study, MAR, fallowing, feasibility studies)
 - Total: \$730,000 to \$1 million per year
- Cost allocation
 - Irrigated acreage (year 1)
 - All parcels (subsequent years)
- Estimated fee
 - \$10 per irrigated acre in year 1
 - Subsequent years TBD based on total assessable acreage

Madera County GSA

- Only non-district lands in the GSA
- Prop 218
- Costs
 - Administration
 - Legal
 - PMAs (recharge, Sites, land repurposing, well mitigation)
- Cost allocation
 - Enrolled acres (eligible to receive groundwater allocation)
 - Per acre; per acre-foot and hybrid approach being considered
- Estimated fee
 - \$100 \$200 per enrolled acre
 - Substantial costs for PMAs (non-district lands with overdraft conditions)

Solano Subbasin

- Multiple GSAs covering district and non-district lands
- Prop 218 (in development stages)
- Costs
 - Administration and implementation
 - Legal
 - Total costs ~ \$750,000 \$1 million annually
- Cost allocation
 - Legal costs, administration, implementation
- Estimated fee range (based on total cost and number of Subbasin acres)
 - \$1 \$5 per acre

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Other Examples

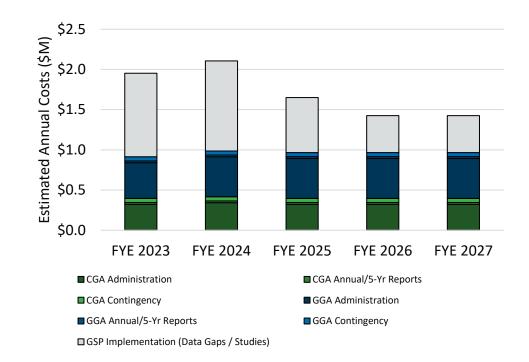
Maximum Prop 218 Land Assessments				
GSA	Year	GSP Phase	Rate per Acre	
Merced Subbasin GSA	2019	Development	\$4.00	
East Turlock GSA	2021	Development	\$4.95	
McMullin Area GSA	2018	Development	\$19.00	
Madera County GSA	2021	Development	\$23.30	
Rosedale Rio-Bravo	2018	Development	\$50.00	
Eastern Tule GSA	2021	Development/Implementation	\$9.44	
North Fork Kings GSA	2018	Development/Implementation	\$10.00	
South Fork Kings GSA	2018	Development/Implementation	\$10.00	
Greater Kaweah GSA	2021	Development/Implementation	\$10.00	
Aliso Water District	2020	Implementation	\$13.44	
Madera County GSA	2022	Implementation	~\$200.00	
Rosedale Rio-Bravo	2020	Implementation	\$205.00	

Note: Includes studies in progress (have not held 218 election yet)

Colusa Subbasin Examples

Colusa Subbasin Example: Cost Categories

- Aggregate cost categories
 - Administration
 - Implementation
- GGA Administrative Costs
 - Administration + contingency
- CGA Administrative Costs
 - Administration + contingency
- Joint Implementation Cost
 - GSP Implementation Data Gaps/Studies
 - GSP Annual Reports and 5-Yr Updates



Cost Allocation Examples

(1) Uniform	(2) Exclude Westside Area	(3) Total GSA Pumping	(4) Water Budget Area (WBA) Pumping	(5) WBA Pumping + Exclude Westside Area
Administration Evenly allocate costs per acre 	Administration Evenly allocate costs per acre 	Administration Evenly allocate costs per acre 	Administration Evenly allocate costs per acre 	Administration Evenly allocate costs per acre
Implementation • Evenly allocate costs per acre	Implementation • Exclude westside area lands	Implementation • Allocate costs to each GSA in proportion to historical GSA GW pumping	 Implementation Allocate costs to each WBA in proportion to historical WBA GW pumping 	 Implementation Allocate costs to each WBA in proportion to historical WBA GW pumping Exclude westside area lands

Note: these examples are potential options for consideration and discussion purposes, and not an exhaustive list of options.

Example 1: Uniform Allocation

- Administration
 - Assigned to GGA and CGA and then allocated evenly per acre
- Implementation
 - Allocated evenly per acre
- Acreage in these examples includes all lands (irrigated and non-irrigated) less federal and tribal areas

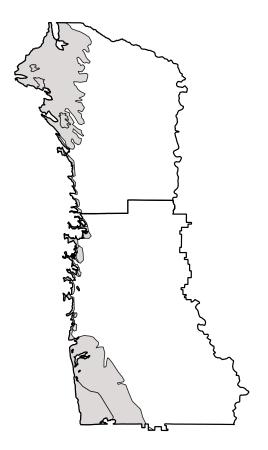
	Colusa GA	Glenn GA
Gross Acres	403,350	297,576
Fees (\$/acre)		
Administration	\$0.92	\$1.81
Implementation	\$1.14	\$1.14
Per Acre Fee	\$2.06	\$2.95

Draft preliminary for discussion purposes using aggregate GSP data. Values will be refined as part of financial plan and rate study.

Example 2: Exclude Westside Area from Implementation Costs

- Administration
 - Assigned to GGA and CGA and then allocated evenly per acre
- Implementation
 - Allocated evenly per acre, excluding westside areas

	Colusa GA	Glenn GA
Westside Area Acres	57,155	67,087
Other Areas Acres	346,195	230,489
Fees (\$/acre)		
Westside Areas		
Administration	\$0.92	\$1.81
Implementation	-	-
Per Acre Fee	\$0.92	\$1.81
Other Areas		
Administration	\$0.92	\$1.81
Implementation	\$1.37	\$1.40
Per Acre Fee	\$2.29	\$3.21



Draft preliminary for discussion purposes using aggregate GSP data. Values will be refined as part of financial plan and rate study.

Example 3: Allocate Implementation Costs by GSA GW Pumping

- Administration
 - Assigned to GGA and CGA and then allocated evenly per acre
- Implementation
 - Allocated to GSAs by share of total GSP estimated groundwater pumping

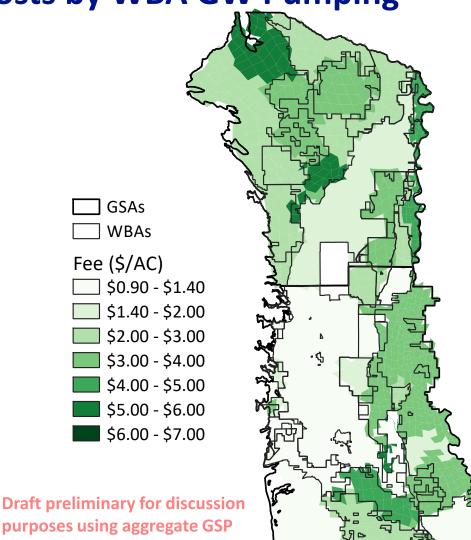
	Colusa GA	Glenn GA
Gross Acres	403,350	297,576
GW Pumping	271,290	228,490
	(54%)	(46%)
Fees (\$/acre)		
Administration	\$0.92	\$1.81
Implementation	\$1.07	\$1.23
Per Acre Fee	\$2.00	\$3.03

Draft preliminary for discussion purposes using aggregate GSP data. Values will be refined as part of financial plan and rate study.

Example 4: Allocate Implementation Costs by WBA GW Pumping

- Administration
 - Assigned to GGA and CGA and then allocated evenly per acre
- Implementation
 - Allocated to WBAs by share of total GSP estimated groundwater pumping

	Colusa GA	Glenn GA
Fees (\$/acre)		
Administration	\$0.92	\$1.81
Implementation	\$0.11 - \$4.42	\$0.19 - \$3.76
Per Acre Fee	\$1.04 - \$5.34	\$2.00 - \$5.57

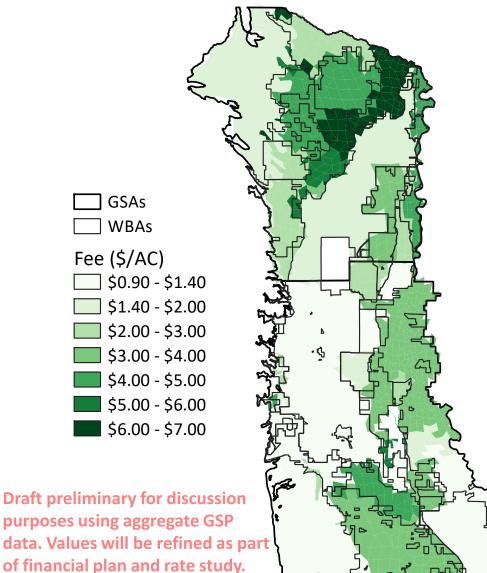


purposes using aggregate GSP data. Values will be refined as part of financial plan and rate study.

Example 5: Allocate Implementation Costs by WBA GW Pumping; Exclude Westside Areas

- Administration
 - Assigned to GGA and CGA and then allocated evenly per acre
- Implementation
 - Allocated to WBAs by share of total GSP estimated groundwater pumping, excluding Westside areas

	Colusa GA	Glenn GA
Fees (\$/acre)		
Westside Areas		
Administration	\$0.92	\$1.81
Implementation	-	-
Per Acre Fee	\$0.92	\$1.81
Other Areas		
Administration	\$0.92	\$1.81
Implementation	\$0 - \$4.42	\$0.19 - \$4.87
Per Acre Fee	\$0.92 - \$5.34	\$2.00 - \$6.68



Summary

Summary Points

- Finance plan development
 - Categorizing costs
 - Allocating costs within each category
 - Recovering revenues
- Fairness and equitability considerations
 - Examples highlight a few alternative approaches based on gross groundwater pumping
- Other considerations
 - Costs associated with cost allocation and revenue recovery options (e.g., a volumetric groundwater charge requires a way to measure groundwater use)
 - Potential measures of net groundwater pumping

Discussion

Thank you

CGA/GGA Joint Technical Advisory Committee Meeting

MEETING AGENDA

March 11, 2022 | 1:00 p.m.

Due to safety concerns and directives from the Governor and Federal Government related to COVID-19,

This meeting will be held remotely ONLY.

Join Zoom Meeting

https://us02web.zoom.us/j/85105841033?pwd=QmhlSHA3YldCTS9aOW9vejkwTVFaQT09

Meeting ID: 851 0584 1033

Passcode: 056977

One tap mobile

+16699006833, 85105841033# *056977# US (San Jose)

Dial by your location

+1 669 900 6833 US (San Jose)

Or find your local number: https://us02web.zoom.us/u/kcsJlzJHre

Please see Meeting Hints and Tips at the end of the agenda.

* Indicates an Action Item

1. Call to Order, Roll Call, and Introductions

- 2. Approval of Minutes (CGA TAC, GGA TAC)
 - a. * August 13, 2021 CGA/GGA Joint TAC Meeting
- 3. Period of Public Comment

At this time, members of the public may address the Technical Advisory Committee (TAC) Members regarding items that are not on the agenda but are of relevance. The TACs may not act on items not on the agenda.

- 4. Presentation: Review of Sustainable Management Criteria in Colusa Subbasin Groundwater Sustainability Plan
- 5. Presentation: Colusa Subbasin Groundwater Sustainability Plan Annual Report
- 6. * Approve 2022 CGA/GGA TAC Meeting Schedule

7. Member Reports and Comments

8. Adjourn

A complete agenda packet, including back-up information, is available for inspection during normal business hours at 1213 Market Street, Colusa, CA 95932 or 225 N. Tehama St., Willows, CA 95988. The full agenda packet can also be found on the CGA and GGA websites:

Agendas and Minutes 2022 | Colusa Groundwater Authority (CGA)

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

In compliance with the Americans with Disability Act, if you require special accommodation to participate in this meeting, please contact the Colusa County Water Resources Division at 530-458-0891 or Glenn County Water Resources Division at 530-934-6540 prior to any meeting and arrangements will be made to accommodate you.

Remote Meeting Hints and Tips

PLEASE NOTE: For increased meeting security protections,

- All attendees will be placed into a Zoom Waiting Room at the start of the meeting. The meeting facilitator and/or technical staff will admit participants as they appear in the waiting room. To the extent possible and to minimize uncertainty of who participants in the Waiting Room are, participants are encouraged to enter their name when they enter Zoom so the meeting facilitation staff and GSA coordinators can confirm meeting participants.
- Also, as with all recent Joint TAC meetings, for memorialization purposes, this meeting will be recorded and participants will be required to agree to that in order to participate. Participants will be prompted at the start of the meeting to agree to this.

To make the upcoming meeting effective, please read all the following.

1. The process will feel "clunky". There will be inevitable pauses, stalls, re-sets, particularly when participants want to comment, we have to vote or take a straw poll. This may be frustrating and that's completely understandable. Please be patient as we work together in this "new normal" approach.

2. To minimize challenges, we will open the online meeting 15-20 minutes in advance. Please log in during that time so we can walk you through the set up and get you familiarized with things. You may also want to go to Zoom (the virtual meeting tool) the day before and familiarize yourself with it.

3. Regarding personal settings, it will be VERY helpful for us to know in advance if you plan to log in via a computer, smart phone, or land line.

4. Regarding the "RAISE HAND" tool. You'll find this if you click on the "Participants" icon. When that menu opens, you'll see the names (or phone numbers) of everyone in the meeting. At bottom of that menu, you'll see a button that says "RAISE HAND". We will use this feature to let the facilitator know if you want to make a comment, so it is VERY important that you familiarize yourself with this.

5. If you've joined online (rather than just through the toll free phone number), we ask that during the meeting you keep your Zoom microphone on "Mute". If you are using an organization's landline, please do NOT put your phone on "Hold".



Groundwater Sustainability Plan First Annual Report, 2022

Overview of Groundwater Conditions and Water Supply through 2021

March 11, 2022

Introductions

Grant Davids, PE

Davids Engineering

Jeff Davids, PE, PhD

Davids Engineering

Ken Loy, PG, CEG, CHG West Yost

Katie Klug, PhD

Davids Engineering

Anna Reimer, PG

West Yost

March 11, 2022

Outline

1. Overview

- Colusa Subbasin GSP
- Annual Report Requirements

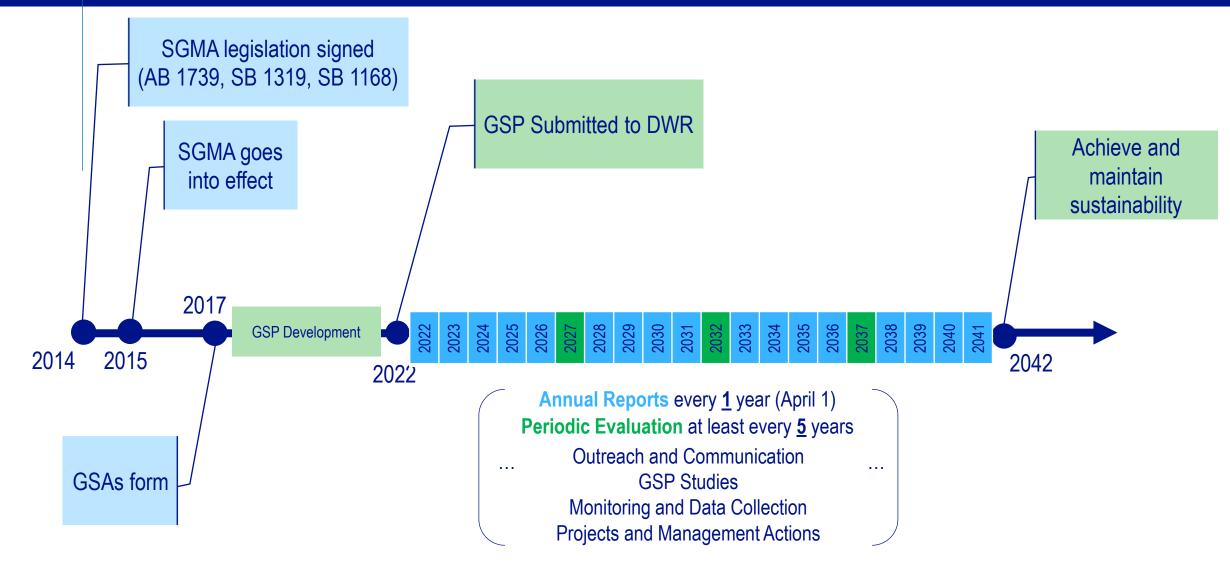
2. Groundwater Conditions

- Groundwater Levels
- Change in Groundwater Storage
- Subsidence
- 3. Water Supplies and Water Use
- 4. **GSP Implementation**
- 5. Questions and Answers

Overview

Katie Klug, PhD Davids Engineering

Colusa Subbasin GSP Implementation Schedule



Colusa Subbasin Groundwater Sustainability Plan (GSP)

The Colusa Subbasin GSP was adopted by the CGA and GGA in December 2021 and was submitted to DWR in January 2022.

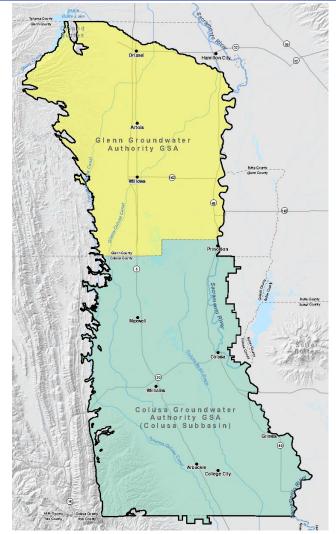
GSP implementation has begun and will continue through 2042.

The **<u>GSP</u>** is a dynamic planning document that will guide how groundwater will be managed over the next two decades. <u>As conditions change, so too will the GSP.</u>

GSP describes groundwater conditions and how groundwater management will avoid adverse impacts to beneficial users, including domestic, municipal, tribal, agricultural, industrial, and environmental uses.

Avoiding adverse impacts is based on the evaluation of six Sustainability Indicators:





Note: Seawater intrusion was determined to be not applicable in the Colusa Subbasin.

Annual Report Requirements (23 CCR §356.2)

- Updates on Groundwater Conditions
 - Groundwater Elevation (Hydrographs, Contour Maps)
 - Change in Groundwater Storage
 - Progress Toward Interim Milestones
 - (i.e., subbasin conditions relative to the six Sustainability Indicators)



Focus of this presentation

Annual Report Requirements (23 CCR §356.2), continued...

- Water Supply and Water Use
 - Groundwater Extraction
 - Surface Water Supplies
 - Total Water Use
- Progress Toward Plan Implementation

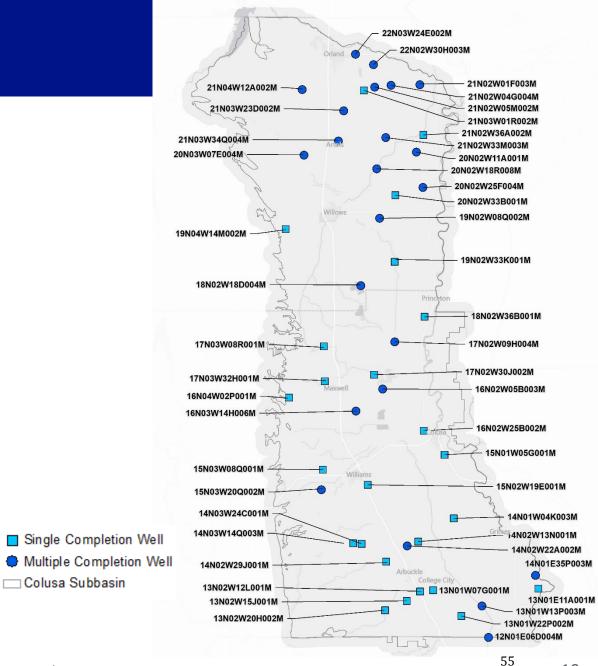
(e.g., implementation of planned projects and management actions)

Groundwater Conditions

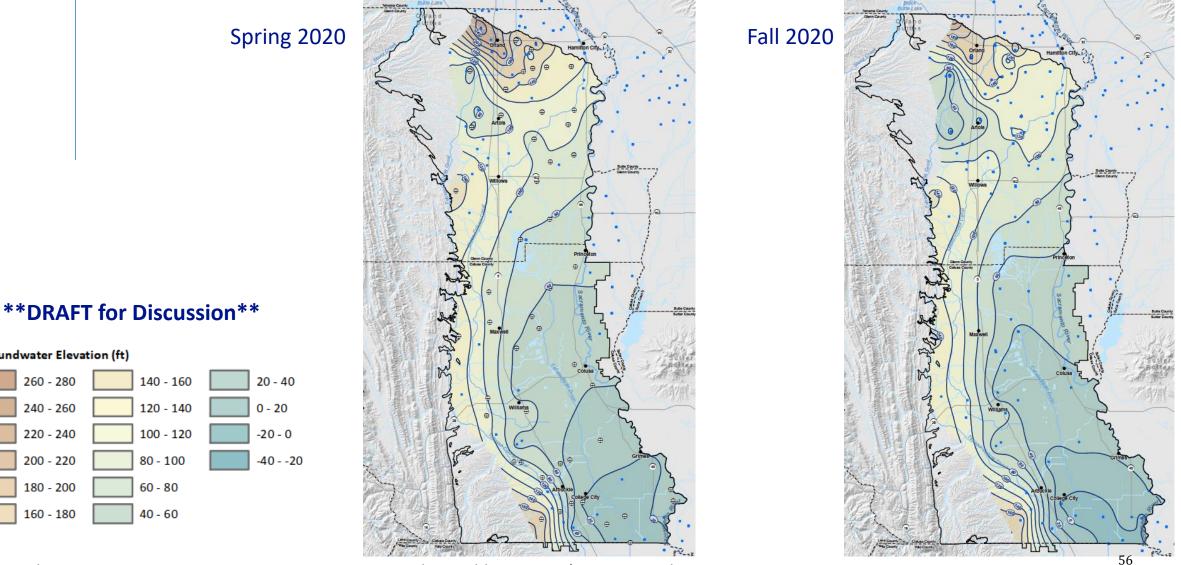
Anna Reimer, PG West Yost

Groundwater Elevations

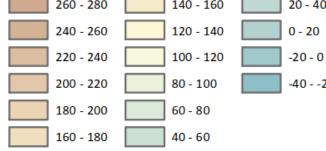
- Representative Groundwater Monitoring Network
 - 48 sites
 - Completion depths within multiple completion wells were selected based on median depth of domestic wells within the Thiessan polygon bounding each monitoring site.



2020 Groundwater Elevation Contour Maps



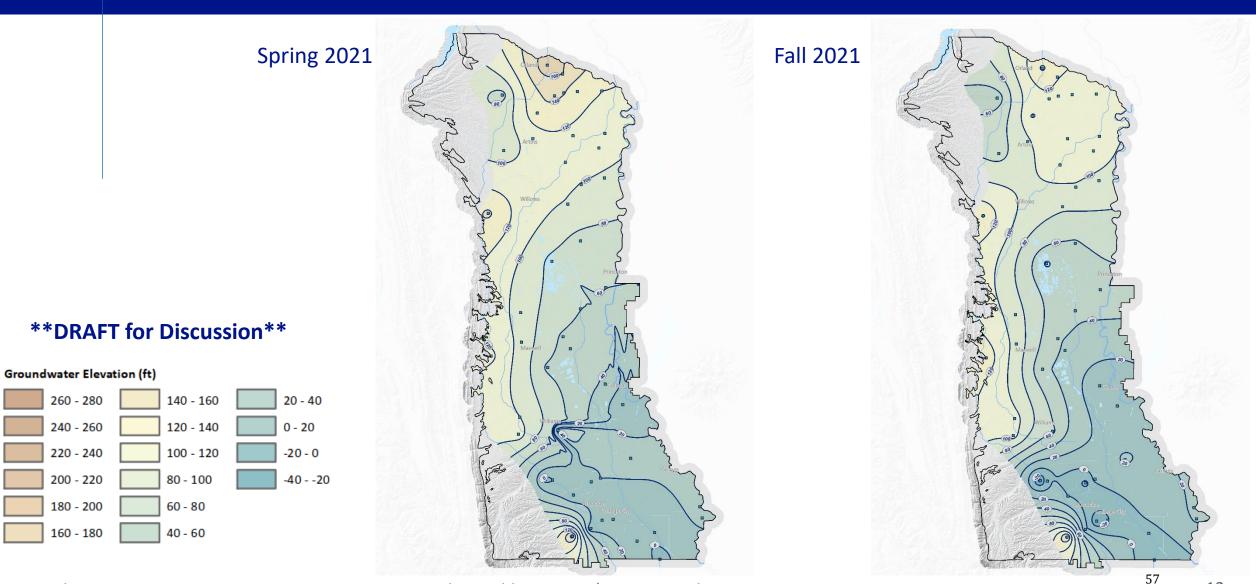
260 - 280 140 - 160



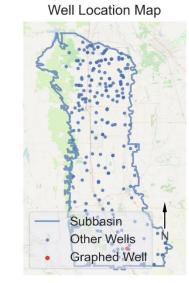
Colusa Subbasin GSP | First Annual Report, 2022

Groundwater Elevation (ft)

2021 Groundwater Elevation Contour Maps



COLUSA Subbasin - State Well Number (SWN): 13N01W07G001M



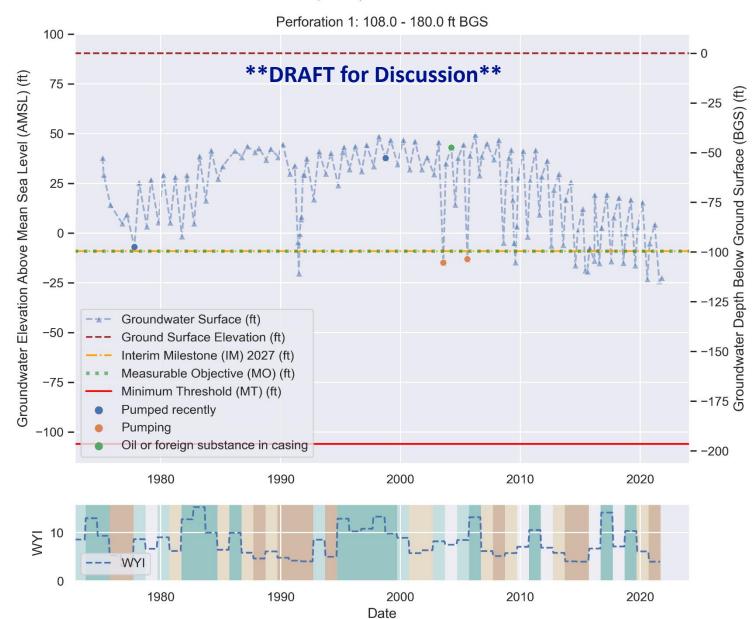
Sustainable Management Criteria:

IM (2027) = -9.0 ft AMSL MO = -9.0 ft AMSL MT = -106.0 ft AMSL

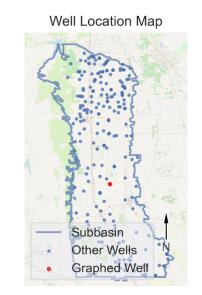
Minimum Threshold is 50% of Range Below Historical.

Sacramento Valley Water Year Index (WYI) shown on lower right. Meaning of colors defined below.





COLUSA Subbasin - State Well Number (SWN): 16N02W05B003M



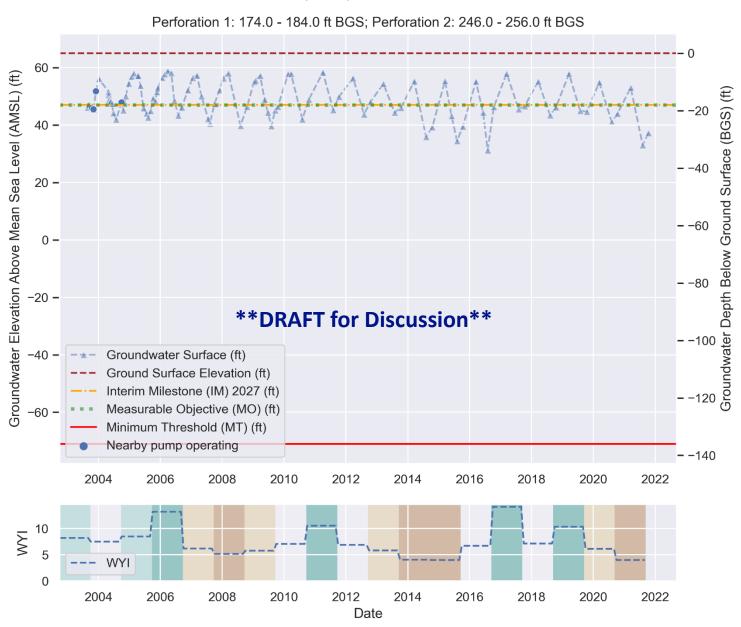
Sustainable Management Criteria:

IM (2027) = 47.0 ft AMSL MO = 47.0 ft AMSL MT = -71.0 ft AMSL

Minimum Threshold is the 20th Percentile of Domestic.

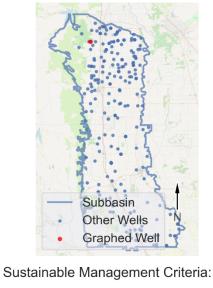
Sacramento Valley Water Year Index (WYI) shown on lower right. Meaning of colors defined below.





COLUSA Subbasin - State Well Number (SWN): 21N04W12A002M



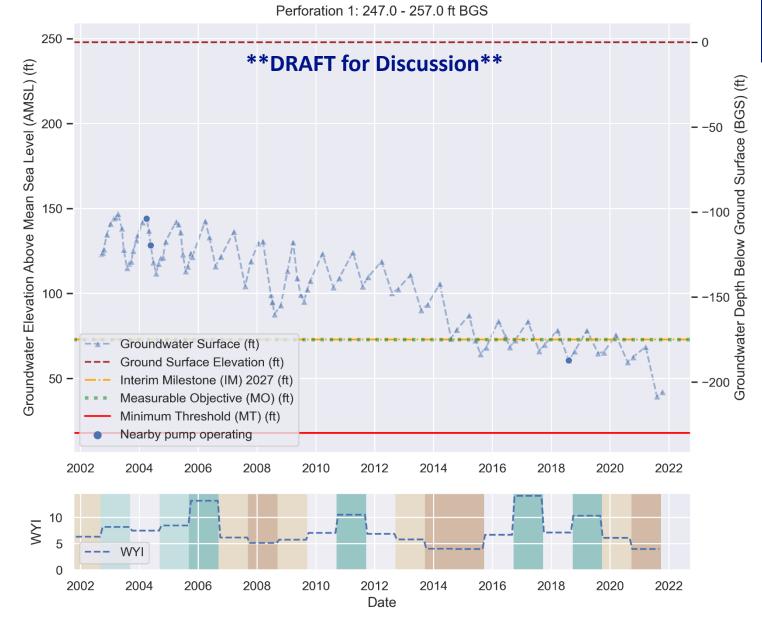


IM (2027) = 73.0 ft AMSL MO = 73.0 ft AMSL MT = 18.0 ft AMSL

Minimum Threshold is 50% of Range Below Historical.

Sacramento Valley Water Year Index (WYI) shown on lower right. Meaning of colors defined below.

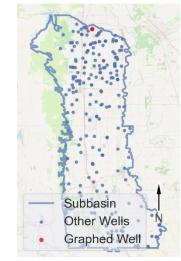




15

COLUSA Subbasin - State Well Number (SWN): 22N03W24E002M



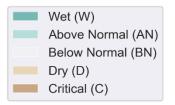


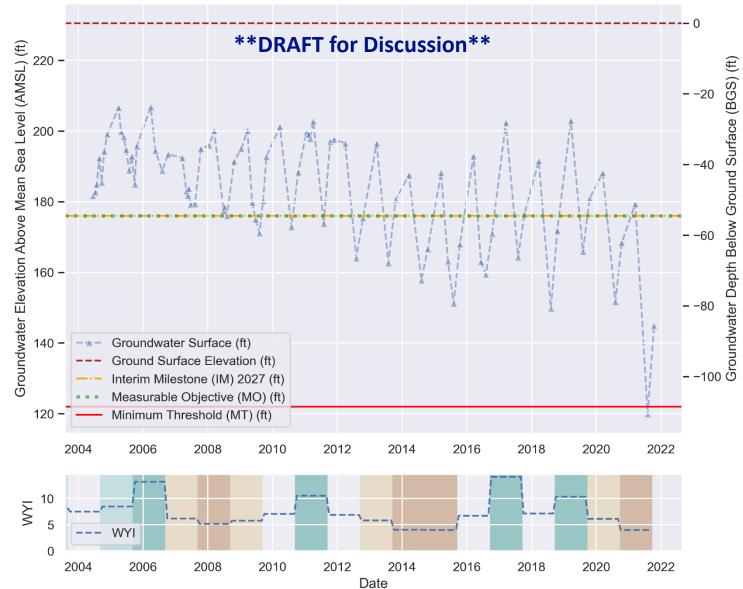
Sustainable Management Criteria:

IM (2027) = 176.0 ft AMSL MO = 176.0 ft AMSL MT = 122.0 ft AMSL

Minimum Threshold is 50% of Range Below Historical.

Sacramento Valley Water Year Index (WYI) shown on lower right. Meaning of colors defined below.

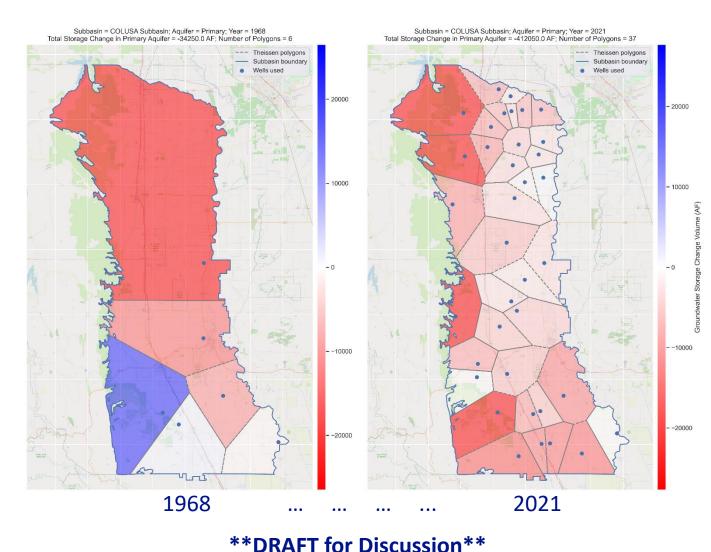




Perforation 1: 130.0 - 150.0 ft BGS; Perforation 2: 170.0 - 180.0 ft BGS

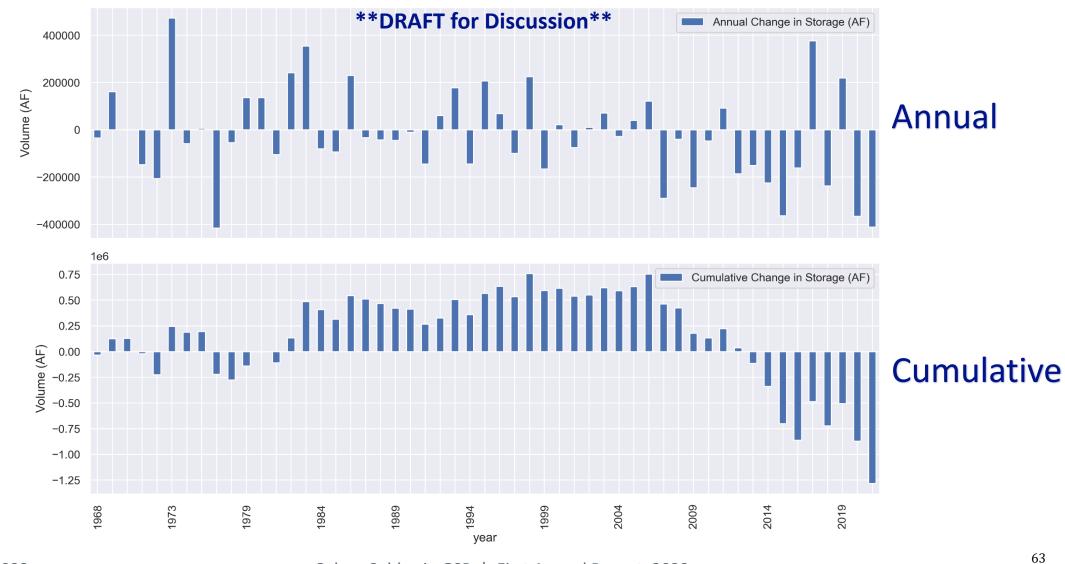
Change in Groundwater Storage Calculation

- Groundwater Elevation RMS as a Proxy
- Thiessan Polygon Method
 - Applied a spring-to-spring change in water level within each Groundwater Elevation RMS to a Thiessan polygon surrounding the RMS.
 - Annual change in storage calculated for 1968 to 2021 for each Thiessan polygon and summed for the Subbasin.
 - Cumulative change in storage calculated Subbasin-wide for 1968 through 2021.



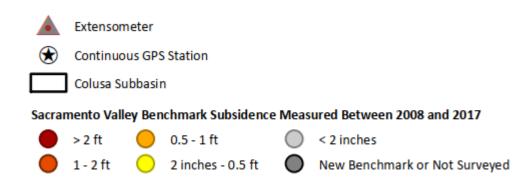
Colusa Subbasin GSP | First Annual Report, 2022

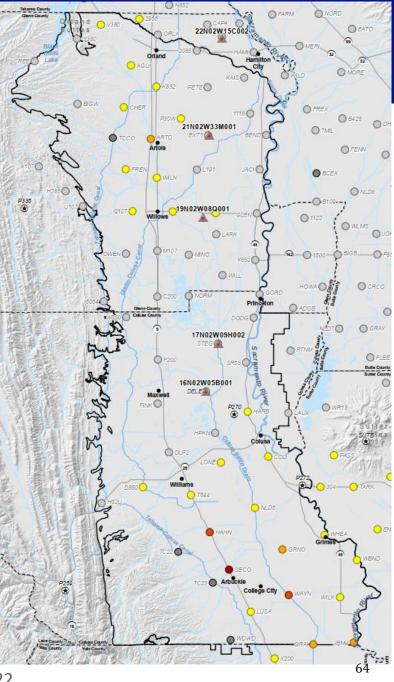
Annual and Cumulative Change in Groundwater Storage



Measured Subsidence 2008 to 2017

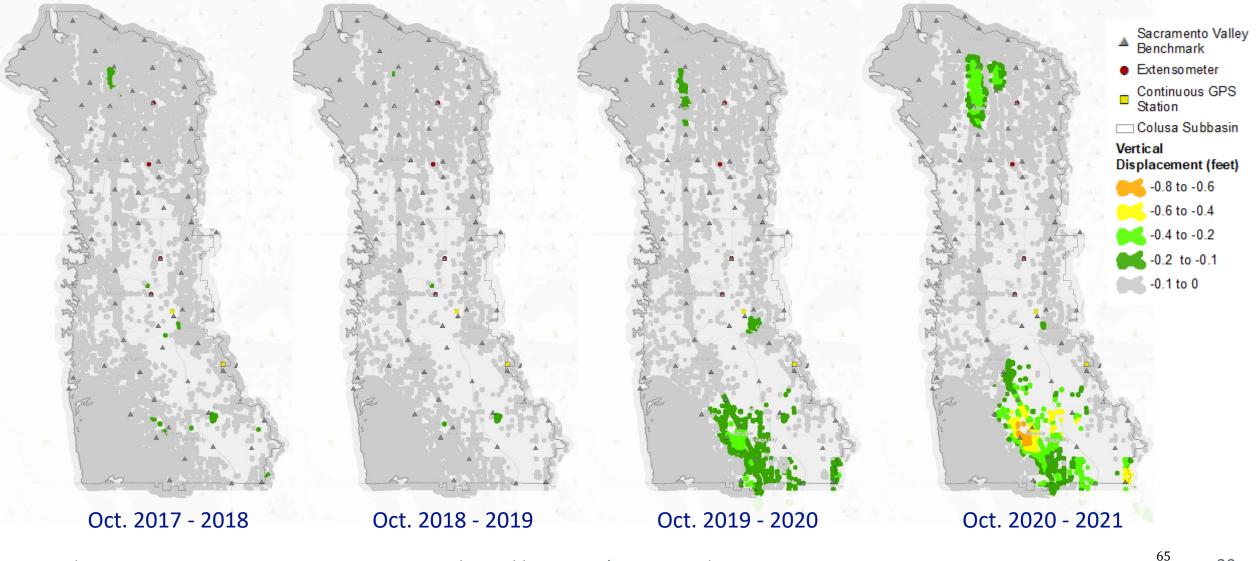
- Sacramento Valley Height Modernization Project
 - Initial Survey 2008
 - Re-Survey 2017
- Colusa Subbasin GSP, Figure 3-31





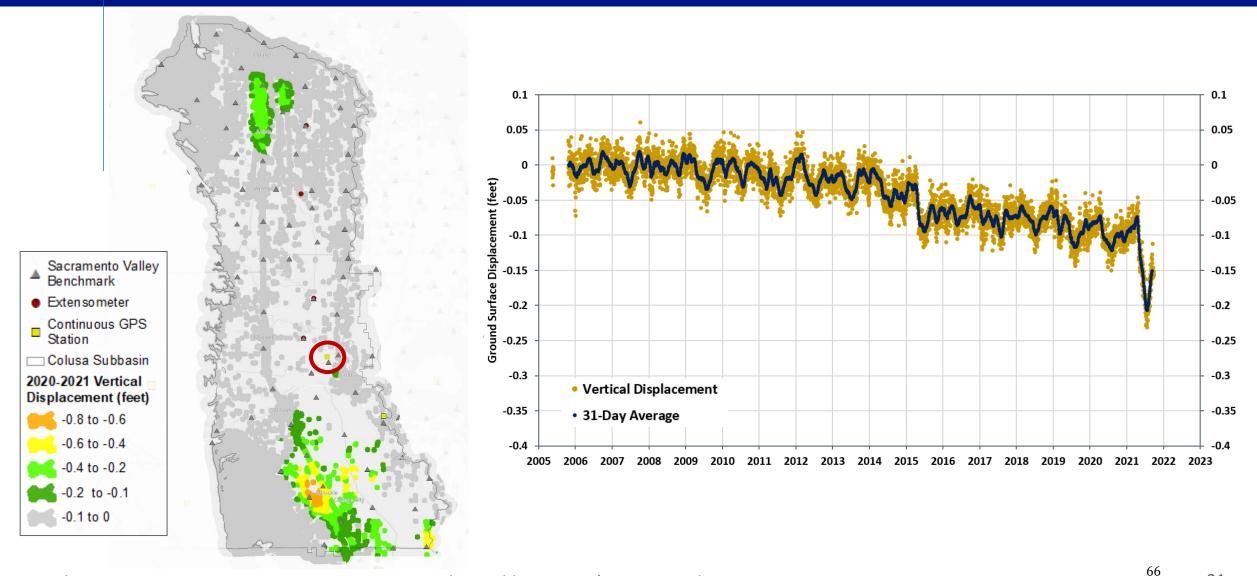
Annual Subsidence 2017 to 2021 (TRE-ALTAMIRA InSAR Land Survey)

****DRAFT for Discussion****



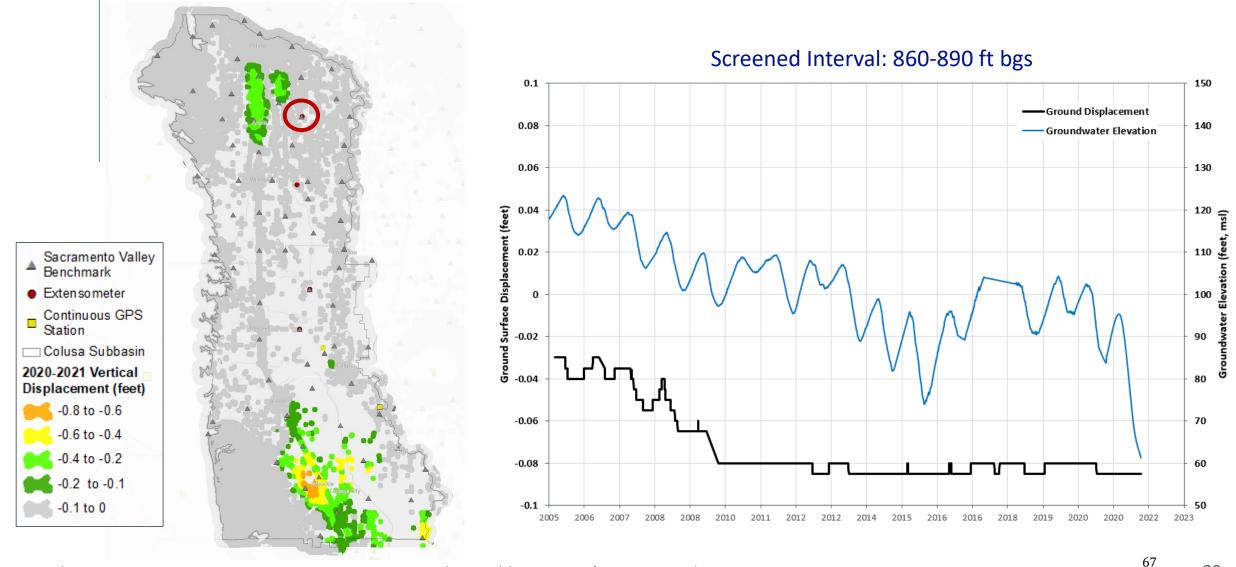
Continuous GPS Station P270

****DRAFT for Discussion****



DWR Extensometer 21N02W3M001M

****DRAFT for Discussion****

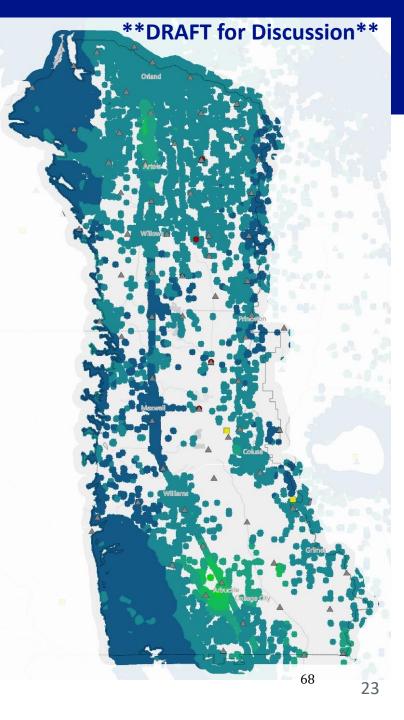


Net Land Subsidence 2015 to 2021

TRE-ALTAMIRA InSAR Land Survey

Net vertical displacement Oct. 2015 to Oct. 2021

Color Code	Vertical Displacement (feet)	Annual Average (feet/year)
	-2 to -1.5	-0.33 to -0.25
	-1.5 to -1	-0.25 to -0.17
	-1 to -0.5	-0.17 to -0.08
	-0.5 to 0	-0.08 to 0
	0 to 0.5	0 to +0.08



Water Supplies and Water Use

Katie Klug, PhD

Davids Engineering

Water Supplies and Water Use

- Groundwater Extraction: Groundwater pumped or otherwise extracted
 - By water use sector (e.g., agricultural, urban, native vegetation, etc.)
 - By method (direct measurements, estimates, etc.)
- Surface Water Supplies: Surface water diverted and delivered to land for use
 - By water source type (e.g., CVP, local supplies, recycled, etc.)
- Total Water Use: Sum of groundwater use and surface water use

Approach for Quantifying Water Use

- Use measured data (where available)
- Estimate the remaining use through a water balance approach
- Compare values back to GSP water budgets to ensure consistency

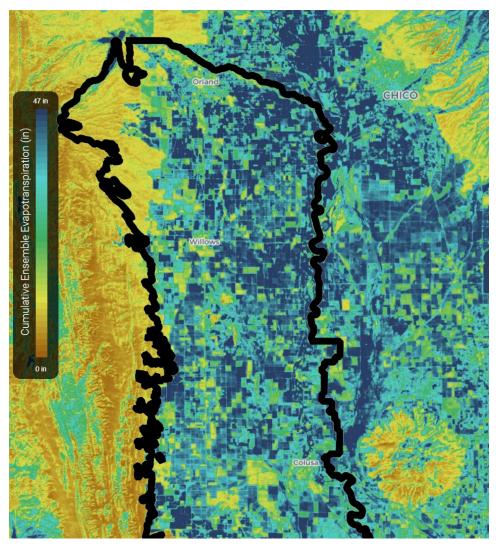
Evapotranspiration Precipitation AW Runoff Return Flow AW Reuse Root Zone Unsaturated Zone AW = Applied Water **Change in Land System Storage** for Agricultural Lands Recharge of Managed Aquifer Recharge AW & Precipitation (Intentional overapplication)

Figure 3-4 Components of Agricultural Water Use

Source: DWR. 2020. Draft Handbook for Water Budget Development With or Without Models. Available at: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Data-and-Tools/Files/Water-Budget-Handbook.pdf

Consumptive Water Use (Evapotranspiration)

- Evapotranspiration (ET) is a major driver of water use in the Colusa Subbasin
 - Water that is evaporated or consumed by plants, humans
 - Cannot be recovered or reused directly in the subbasin (unlike deep percolation, infiltration/seepage, runoff, etc.)
- Total ET quantified from OpenET data
 - Satellite-based estimates of total ET
 - Models widely-used in government and research in the U.S. and internationally
 - Source data: Landsat images
 - Spatial resolution: 30x30 m² (0.22 acres)
- Total ET parsed into portions derived from applied water/irrigation (ET_{aw}) and precipitation (ET_{pr}) based on precipitation, crop, and soil data

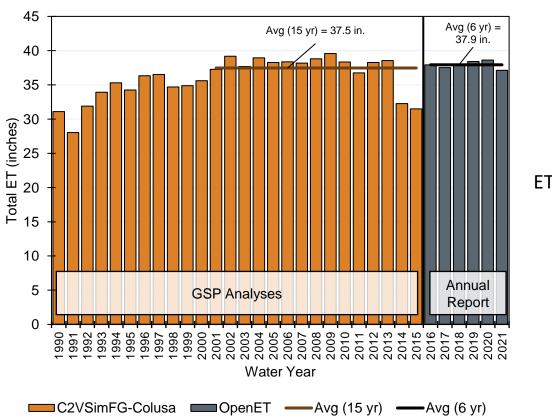


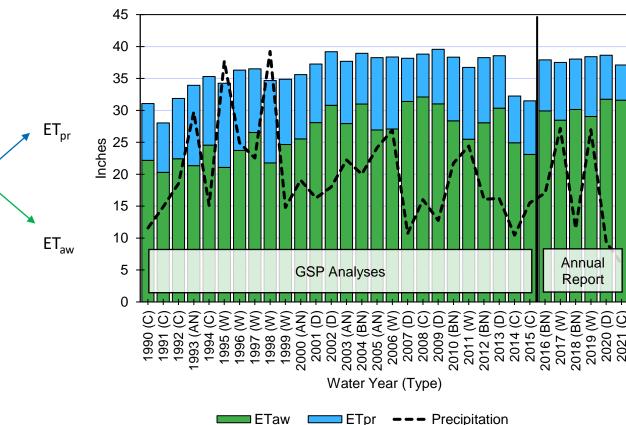
Source: https://openetdata.org/ 72

Correspondence between OpenET Data and GSP Model Results

****DRAFT for Discussion****

Agricultural ET





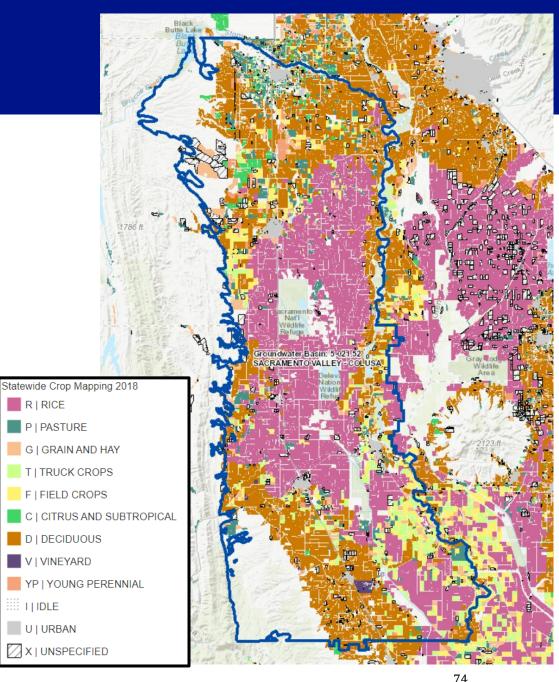
Agricultural ET

Water Use Sectors (reported in the GSP)

- Agricultural
- Urban
- Native Vegetation
- Managed Wetlands

Areas in each water use sector:

- Agricultural and urban areas identified from Land IQ 2018 data
 - Spatial crop mapping for the state of California
 - Similar data sources used in GSP (e.g., Land IQ 2014)
- Managed wetlands and native vegetation areas identified from the remaining subbasin area based on wildlife refuge boundaries and GSP analyses



Data Sources for Water Supplies

Surface Water Supplies

- CVP Contractor delivery records (USBR)
- Farm Gate Deliveries data (DWR)
- Water rights diversions (eWRIMS)
- Other District records (where available)

Groundwater Extraction

- City pumping data
- Other District records (where available)
- Remaining use estimated based on demand, after accounting for other supplies

Surface Water Supplies Available Each Water Year Average in 2016-2021 (Volume in 2021)

****DRAFT for Discussion****

- CVP Contract Supplies:
 - Tehama-Colusa Canal: 181 TAF (139 TAF)
 - Sacramento River: 929 TAF (778 TAF)
- Other Supplies:
 - Orland Project (South Canal): 44 TAF (28 TAF)
 - Colusa Basin Drain: some diversions of natural flows when available (most water is passed through from other originating sources)

Total Water Use for Agriculture

2,000,000 1,800,000 1,600,000 1,400,000 Acre-Feet ,200,000 1,000,000 800,000 600,000 400,000 200,000 **GSP** Analyses Annual Report 0 2001 (D) 2002 (D) 2009 (D) 2011 (W) 2013 (D) 2014 (C) 2020 (D) 2021 (C) 1991 (C) 0 (BN) 2008 (C) 2015 (C) S S S S 2016 (BN) Q 1993 (AN) S 2000 (AN) 2003 (AN) 2005 (AN) 0 2010 (BN) 2012 (BN) 2017 (W) 2018 (BN) 2019 (W) 1994 (C 2006 (W) 1990 1992 2007 1995 (1999 (1996 1998 1997 2004 Water Year (Type) ■ Surface Water Deliveries Groundwater Pumping

****DRAFT for Discussion****

Water Use for Other Purposes

• Urban and Rural Residential Groundwater Production: 10.2 TAF in 2021

- Measured (Williams, Orland, Willows): 4 TAF in 2021
- Estimated (Colusa, Arbuckle, Unincorporated): 6.2 TAF in 2021

Managed Wetlands:

- Primarily Sacramento NWR, Delevan NWR, and Colusa NWR
- Unconstrained conditions: CVPIA Full Level 4 water supplies
 - Sacramento NWR: 50,000 acre-feet,
 - Delevan NWR: 30,000 acre-feet, and
 - Colusa NWR: 25,000 acre-feet.
- Constrained conditions in 2021, refuges allocated 75% of this quantity
- Native Vegetation: Driven by ET, most is met by precipitation

GSP Implementation

Katie Klug, PhD

Davids Engineering

Projects and Management Actions (PMAs)

- PMAs describe what needs to be done to achieve sustainable management of the Colusa Subbasin by 2042 and maintain sustainability thereafter
- Thirty-four (34) PMAs described in the GSP:
 - Five (5) Planned PMAs: identified project proponents, "on track for implementation"
 - Six (6) <u>Ongoing PMAs</u>: existing PMAs that could be continued and/or expanded
 - Twenty-three (23) Potential PMAs: various stages of piloting and conceptual development
- Uncertain future calls for an adaptive management approach
 - Current *actual* drought is more compelling than *modeled* future sustainability challenges
 - PMAs cast in GSP as being more aligned with near-term drought mitigation, recognizing that they will contribute to long-term sustainable groundwater management

Progress on PMAs Since GSP Development

- Colusa Subbasin Multi-Benefit Groundwater Recharge
 - Recharge conducted in 2021, only one participating field (66 acres) due to surface water restrictions
 - Applied surface water was 290 AF, recharge benefit was 220 AF
- Sycamore Slough Groundwater Recharge Pilot Project
 - First season of flooding complete (flooded field for recharge in Jan-Feb 2022), analysis in progress
 - Purchased some monitoring equipment, some repurposed from multi-benefit groundwater recharge project
- Orland-Artois Water District Land Annexation and Groundwater Recharge
 - Continued planning efforts and discussions with OAWD, TCCA, Glenn LAFCO, USBR
 - Initiated processes with OAWD and USBR to review annexation of 12,000 acres of ag land (anticipated 2023)
 - Refined benefits (targeting 15 TAF of deliveries (Shasta Non-Critical years), pumping reduction of 14 TAF)
 - Refined costs (estimated \$12 million capital costs)
- Tehama-Colusa Canal Trickle Flow to Ephemeral Streams (RD 108)
 - Further concept development (identified potential streams, water sources, operating strategies)
 - Identifying discharge locations with CCWD and TCCA, coordinating monitoring/funding with landowners
 - Proof-of-concept test of trickle flow when portion of canal dewatered

Ongoing PMAs (No significant changes reported)

- RD 108 and Colusa County Water District Agreement for Five-Year In-Lieu Groundwater Recharge Project (pending extension)
- Glenn-Colusa Irrigation District Strategic Winter Water Use for Groundwater Recharge and Multiple Benefits
- Glenn-Colusa Irrigation District Expansion of In-Basin Program for In-lieu Groundwater Recharge
- Orland Unit Water Users Association Irrigation Modernization for Increased Surface Water Delivery and Reduced Groundwater Pumping
- Urban Water Conservation in Willows

Other Activities Since GSP Development

Well Monitoring Pilot Program

- Planning program expansion to add 16 new sites in spring 2022
- Setting up weekly/monthly reports of groundwater levels and groundwater pumping
- Plan for program operation through December 2024
- Hydrogeologic Investigation
 - Planning efforts to fill data gaps
 - Sample topics:
 - Shallow groundwater monitoring (GDEs, interconnected surface water)
 - Subsidence benchmarks (subsidence monitoring)
- Expansion of subsidence monitoring network (10 additional benchmarks)

Summary and Next Steps

- Recent completion of the GSP is a significant achievement, but it's also a starting point for GSP implementation (2022-2042)
- First Annual Report is due to DWR on April 1, 2022
 - Other annual reports due April 1 of each year through 2042
- Complete draft Annual Report will be available for review next week
- Comments and questions can be directed to:
 - Katie Klug <u>Katherine@davidsengineering.com</u>

Questions and Answers

Closing Remarks

Glenn Groundwater Authority

Groundwater Sustainability Agency

225 North Tehama Street, Willows, CA 95988 | 530.934.6540

Meeting of the Glenn Groundwater Authority Board of Directors

March 16, 2022 | 1:30 PM

LOCATION: 225 North Tehama Street, Willows, CA 95988

And

Teleconference

The meeting can be accessed via telephone at ± 1 (872) 240-3212 or by computer, smartphone, or tablet at:

https://meet.goto.com/809763605

Meeting Access Code: 809-763-605

MEETING AGENDA

- 1. CALL TO ORDER
- 2. ROLL CALL
- 3. AB 361 OPEN MEETINGS: STATE AND LOCAL AGENCIES: TELECONFERENCES
 - a. *Consider approval of Resolution 2022-003 Authorizing Remote Teleconference Meetings in Accordance with Government Code Section 54953 (e)
- 4. APPROVAL OF MINUTES
 - a. *Approval of meeting minutes from February 14, 2022
 - b. *Approval of special meeting minutes from February 23, 2022
- 5. 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.

- 6. FISCAL YEAR 2020/2021 ANNUAL AUDIT
 - a. *Receive presentation and accept Glenn Groundwater Authority Groundwater Sustainability Agency Financial Statements and Supplementary Information Year Ended June 30, 2021.
- 7. STAFF UPDATES
- 8. FINANCIAL REPORT
 - a. *Review and accept Monthly Activities Report
 - b. *Review and consider approval of claims
- 9. COLUSA SUBBASIN GROUNDWATER SUSTAINABILTY PLAN
 - a. Groundwater Sustainability Plan Annual Report
 - b. GSP Development Grants (Proposition 1 and Proposition 68) and Project Agreements
 - c. Groundwater Sustainability Plan Implementation
- **10. DISCUSSION ON STAFFING**

11. *CONSIDER APPROVING THE PROPOSAL FROM PROVOST & PRITCHARD CONSULTING GROUP TITLED ADDENDUM #3 TO CONSULTANT SERVICES AGREEMENT (CSA) NO. 18-344- CONSULTING SERVICES FOR TAX YEAR 2022-2023 DIRECT CHARGE PREPARATION, GLENN GROUNDWATER AUTHORITY, GLENN COUNTY, CALIFORNIA AND AUTHORIZE THE CHAIRMAN TO EXECUTE AN AGREEMENT PENDING LEGAL REVIEW

12. 2022/2023 BUDGET

- a. Discuss 2022/2023 Budget Preparations
- b. * Appoint 2022/2023 Budget Ad Hoc Committee
- 13. *TECHNICAL ADVIOSRY COMMITTEE MEMBER APPOINTMENT

14. COMMITTEE UPDATES

- a. Executive Committee
 - i. CGA/GGA Joint Executive Committee
- b. Multi-Benefit Recharge Pilot Project Ad Hoc Committee
- c. Recharge Pilot Project Ad Hoc Committee
- d. Technical Advisory Committee
- e. Water Well Drilling Permits and Standards Ad Hoc Committee

15. 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.

16. 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

- 17. REPORT OUT FROM CLOSED SESSION
- **18. MEMBER REPORTS AND COMMENTS**
- **19. NEXT MEETING**

20. ADJOURN

*Indicates Action Item

A complete agenda packet, including back-up information, is available for public inspection during normal work hours at 225 North Tehama Street, Willows, CA 95988. After posting of this Meeting Agenda, the public may request copies of support information for public agenda items listed.

In compliance with the Americans with Disabilities Act, The Glenn Groundwater Authority will make available to persons with a disability disabilityrelated modification or accommodations. Notification two days prior to the meeting will enable the Glenn Groundwater Authority to make arrangements to provide reasonable accommodations. If requested, this document and other agenda materials can be made available in an alternative format for persons with a disability who are covered by the Americans with Disabilities Act. Contact Lisa Hunter at 530-934-6540.

CERTIFICATION: Pursuant to Government Code §54954.2 the agenda for this meeting was properly posted on or before 1:30 pm on March 13, 2022.



Groundwater Sustainability Plan First Annual Report, 2022

Overview of Groundwater Conditions and Water Supply through 2021

March 16, 2022

Introductions

Grant Davids, PE Davids Engineering

Katie Klug, PhD Davids Engineering Ken Loy, PG, CEG, CHG West Yost

> Anna Reimer, PG West Yost

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Outline

March 16, 2022

1. Overview

- Colusa Subbasin GSP
- Annual Report Requirements

2. Groundwater Conditions

- Groundwater Levels
- Change in Groundwater Storage
- Subsidence
- 3. Water Supplies and Water Use
- 4. **GSP Implementation**
- 5. Questions and Answers

Overview

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Colusa Subbasin Groundwater Sustainability Plan (GSP)

GSP implementation has begun and will continue through 2042.

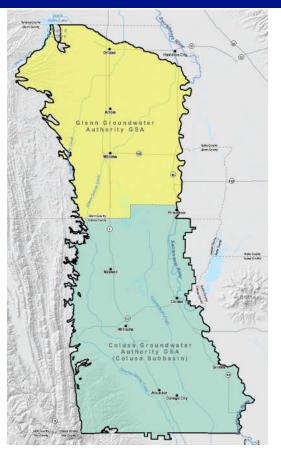
The <u>GSP is a dynamic planning document</u> that will guide how groundwater will be managed over the next two decades. <u>As conditions change and data gaps are filled, the GSP will be updated.</u>

GSP describes groundwater conditions and how groundwater management will avoid adverse impacts to beneficial users, including domestic, municipal, tribal, agricultural, industrial, and environmental uses.

Avoiding adverse impacts is based on the evaluation of six Sustainability Indicators:

	$\widehat{\mathbf{O}}$		\geq	
Surface Water Depletion				Lowering GW Levels

Note: Seawater intrusion was determined to be not applicable in the Colusa Subbasin.



Colusa Subbasin GSP | First Annual Report, 2022

Annual Report Requirements (23 CCR §356.2)

- GSAs must prepare Annual Reports each year during GSP implementation
 - Provide updates for a subset of GSP content every water year (Oct 1 Sept 30)
 - Due <u>April 1</u> each year from 2022 through 2042
- Required Contents:
 - Updates on Groundwater Conditions since the GSP analyses (2015) or, in future years, since prior Annual Report
 - Water Supply and Water Use Conditions
 - Progress Toward Plan Implementation

Groundwater Conditions

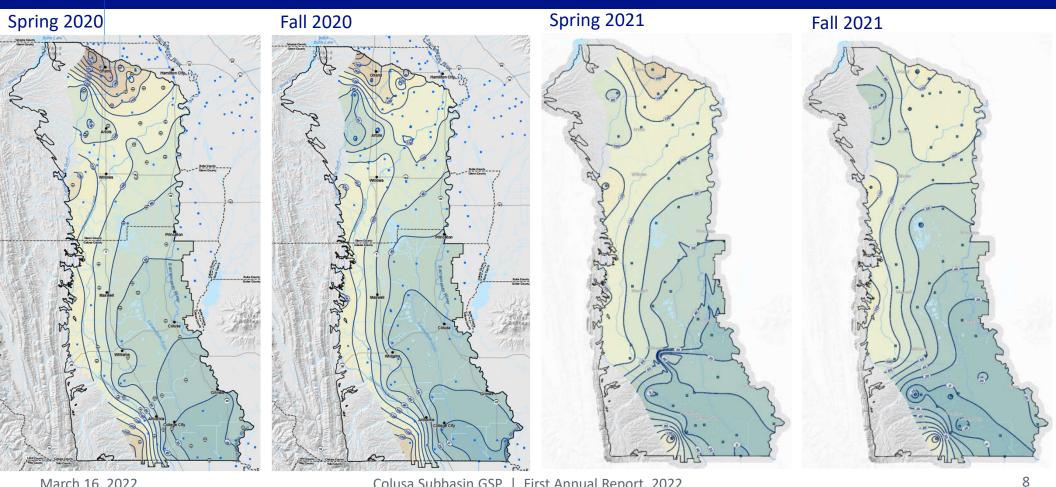
Groundwater Levels Change in Groundwater Storage Subsidence

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Groundwater Elevations 2020 through 2021

****DRAFT for Discussion****



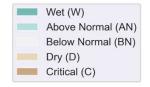
March 16, 2022

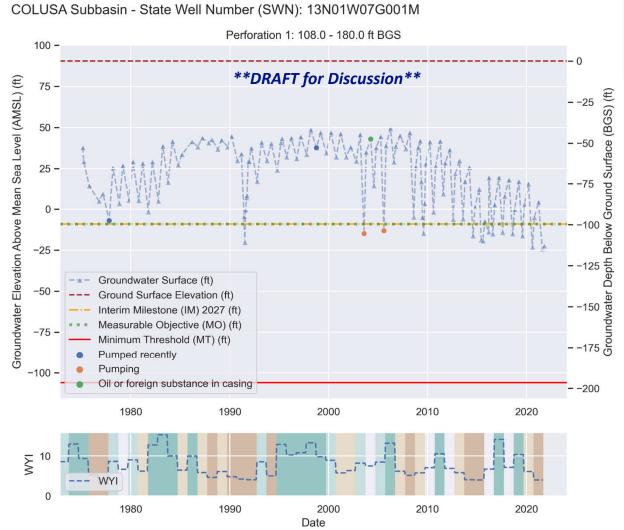
Colusa Subbasin GSP | First Annual Report, 2022





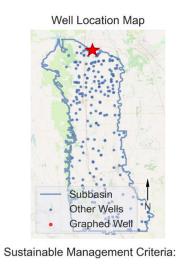
Index (WYI) shown on lower right. Meaning of colors defined below.





Colusa Subbasin GSP | First Annual Report, 2022

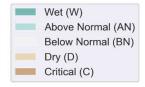
March 16, 2022

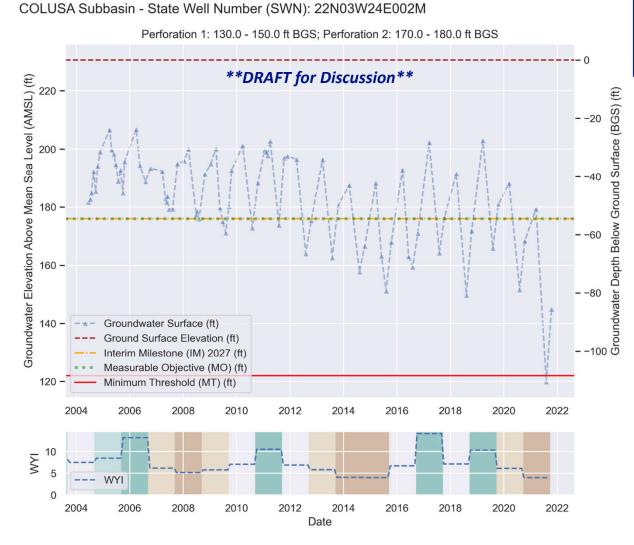


IM (2027) = 176.0 ft AMSL MO = 176.0 ft AMSL MT = 122.0 ft AMSL

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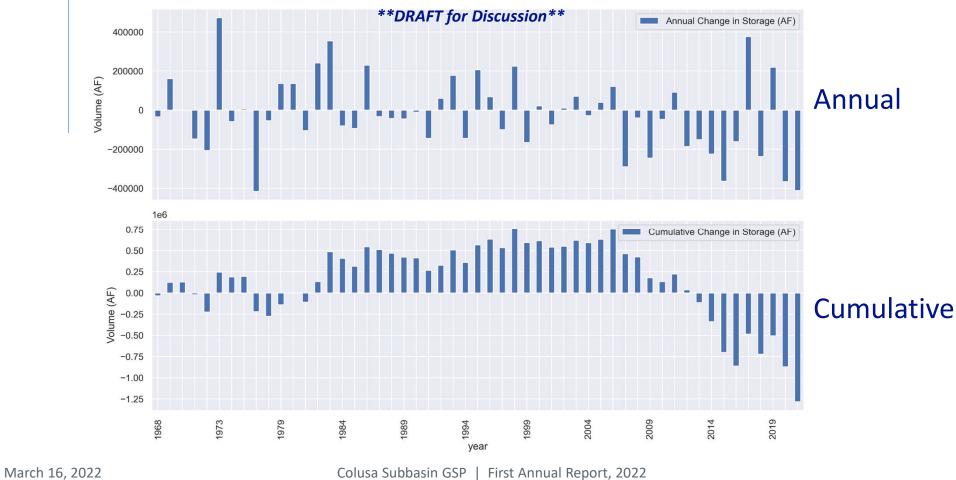




Colusa Subbasin GSP | First Annual Report, 2022

March 16, 2022

Annual and Cumulative Change in Groundwater Storage

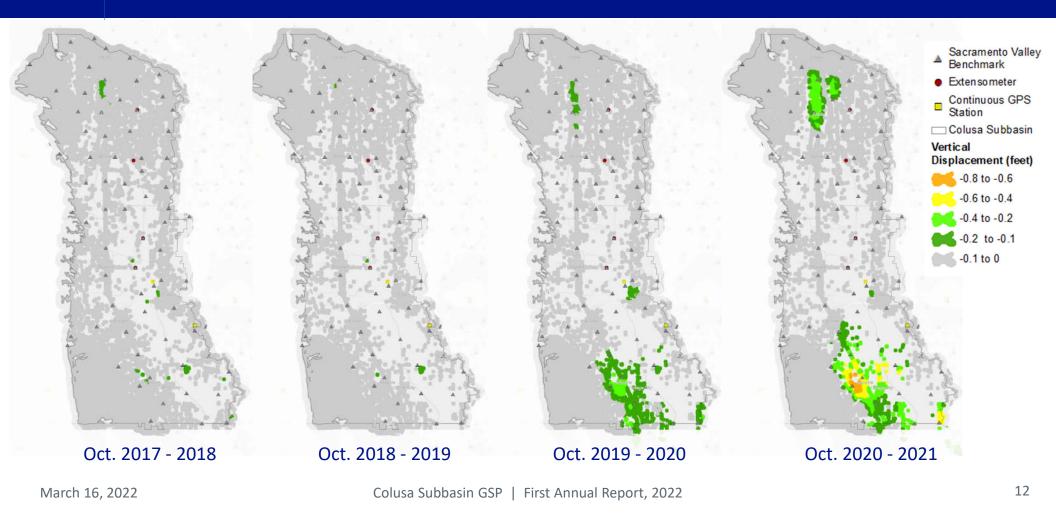


Colusa Subbasin GSP | First Annual Report, 2022

Annual Subsidence 2017 to 2021

(TRE-ALTAMIRA InSAR Land Survey)

****DRAFT for Discussion****



Water Supplies and Water Use

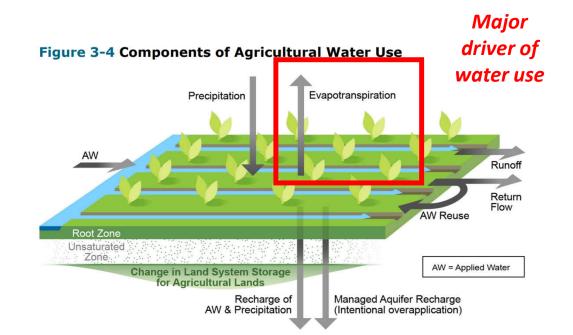
Surface Water Supplies Groundwater Extraction Total Water Use

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Approach for Quantifying Water Use

- Use measured data (where available)
- Estimate the remaining use through a water balance approach using reliable evapotranspiration data



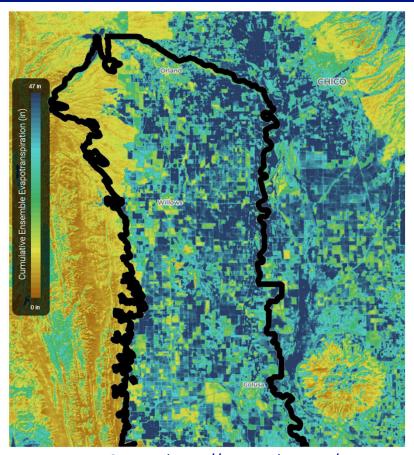
Source: DWR. 2020. Draft Handbook for Water Budget Development With or Without Models. Available at: https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Data-and-Tools/Files/Water-Budget-Handbook.pdf

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Consumptive Water Use (Evapotranspiration)

- Evapotranspiration (ET) is a major driver of water use in the Colusa Subbasin
- Total water demand quantified from OpenET and remote sensing data



Source: https://openetdata.org/

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Surface Water Supplies Available Each Water Year

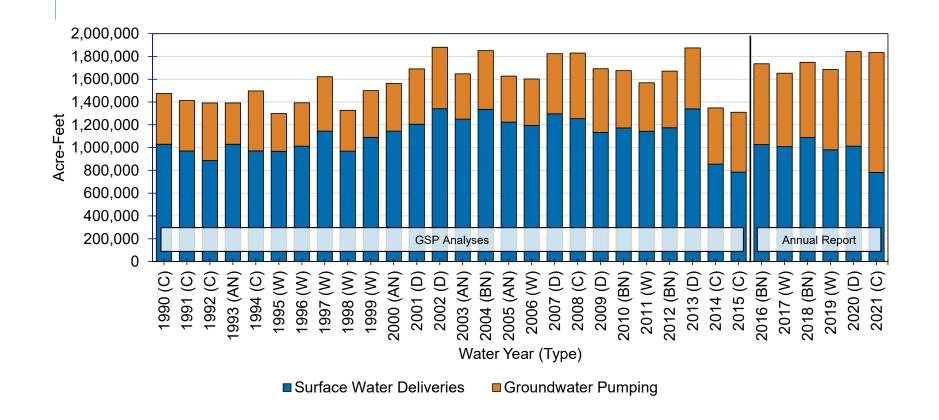
Average in 2016-2021 (Volume in 2021)

****DRAFT for Discussion****

- CVP Contract Supplies:
 - Tehama-Colusa Canal: 181 TAF (139 TAF)
 - Sacramento River: 929 TAF (778 TAF)
- Other Supplies:
 - Orland Project (South Canal): 44 TAF (28 TAF)
 - Colusa Basin Drain: some diversions of natural flows when available; not much in dry years (most water is passed through from upstream Sacramento diverters)

Total Water Use for Agriculture

****DRAFT** for Discussion**



Water Use for Other Purposes

****DRAFT** for Discussion**

Urban and Rural Residential Groundwater Production: 10.2 TAF in 2021

- Measured (Williams, Orland, Willows): 4 TAF in 2021
- Estimated (Colusa, Arbuckle, Unincorporated): 6.2 TAF in 2021

Managed Wetlands:

- Primarily Sacramento NWR, Delevan NWR, and Colusa NWR
- Unconstrained conditions: CVPIA Full Level 4 water supplies total more than 100 TAF
- Constrained conditions in 2021, refuges allocated 75% of this quantity
- Native Vegetation: Driven by ET, most is met by precipitation

GSP Implementation

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Progress on PMAs Since GSP Development

- Colusa Subbasin Multi-Benefit Groundwater Recharge
- Sycamore Slough Groundwater Recharge Pilot Project
- Orland-Artois Water District Land Annexation and Groundwater Recharge
- Tehama-Colusa Canal Trickle Flow to Ephemeral Streams (RD 108)

Other Activities Since GSP Development

- Well Monitoring Pilot Program
 - Planning program expansion to add 16 new sites in spring 2022
 - Plan for program operation through December 2024
- Hydrogeologic Investigation
 - Planning efforts to fill data gaps
 - Sample topics:
 - Shallow groundwater monitoring (GDEs, interconnected surface water)
 - Subsidence benchmarks (subsidence monitoring)
- Expansion of subsidence monitoring network (10 additional benchmarks)

Closing Remarks

- Complete draft Annual Report will be available for review 3/18
- Comments and questions can be directed to: Katie Klug <u>Katherine@davidsengineering.com</u>

Questions and Answers

March 16, 2022

Colusa Subbasin GSP | First Annual Report, 2022

Colusa Groundwater Authority Board of Directors

1213 Market Street, Colusa, CA 95932 | 530-458-0891 | www.colusagroundwater.org

<u>MEETING AGENDA</u> March 22, 2022 | 1:00 p.m.

NOTICE: Pursuant to Government Code section 54953(e) (AB 361), and due to the State of Emergency declared by Governor Newsom on March 4, 2020, this meeting will be conducted in person with a teleconference option. The public may attend the meeting and offer public comments in person or via

Zoom

In-person meeting location: Colusa Industrial Properties, 100 Sunrise Blvd., Colusa, CA 95932 Virtual meeting via Zoom:

> Colusa Groundwater Authority Board of Directors Meeting Time: Mar 22, 2022 01:00 PM Pacific Time (US and Canada)

Join Zoom Meeting https://countyofcolusa.zoom.us/j/6707238820?pwd=NjFMcnJOUENuSFhtRFFtaWltejYzZz09

> Meeting ID: 670 723 8820 Passcode: 004212 One tap mobile +16699006833,,6707238820#,,,,*004212# US (San Jose) +12532158782,,6707238820#,,,,*004212# US (Tacoma)

* Indicates action item

1. Call To Order and Determination of Quorum

- a. Roll Call of Officers and Alternates
- b. Introductions of others in attendance

2. Approval of Agenda and Minutes

a. * Approval of Minutes from the January 25, 2022 Board Meeting

3. Period Of Public Comment

At this time, members of the public may address the CGA Board regarding items that are not on the agenda but are of relevance to the CGA. The Board may not act on items not on the agenda.

4. Financial Report

- a. Review Financial Statements
- b. * Review and consider approval of Claims

5. Colusa Subbasin Groundwater Sustainability Plan Update

a. Groundwater Sustainability Plan Annual Report-Presentation by Davids Engineering

Page | 1 Colusa Groundwater Authority Board of Directors Meeting Agenda | March 22, 2022 | 1:00 p.m.

b. GSP Development Grants (Proposition 1 and Proposition 68) and Project Agreements

c. Groundwater Sustainability Plan Implementation

- *Consider approval of Provost and Prichard Addendum #3 to Consultant Services Agreement (CSA) No. 18-197: Consulting Services for Tax Year 2022-2023 Direct Charge Preparation, Colusa Groundwater Authority, Colusa and Yolo Counties, California
 - a. Staff recommends authorizing the Chair to execute an agreement with Provost & Pritchard Consulting Group pending legal review in an amount not to exceed \$3,500.

7. *Consider approval of RFP for Program Manager Services for the CGA.

Ad Hoc Committee Report (Denise Carter, Shelly Murphy)

a. Ad Hoc recommends approval to release RFP for Program Manager Services.

8. Committee Reports

- a. Long Term Funding Ad Hoc Thad Bettner, Darrin Williams, Jeff Moresco
- b. Program Manager Ad Hoc Shelly Murphy, Denise Carter
- c. Budget Ad Hoc Dan Ruiz, Shelly Murphy, Jeff Moresco, Denise Carter.
- d. Consider adding Ad Hoc on community outreach -

9. Presentation: Pilot Project, Trickle charge to Ephermal Streams – William Vanderwaal

10. Presentation from RCD on funding opportunities for Groundwater Sustainability Projects-Liz Harper

11. DWR Update: Brandon Davison

12. Program Manager Report

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

14. Report out of Closed Session

15. Member Reports and Comments

16. Next Meeting: April 26, 2022

17. Adjourn

A complete agenda packet, including back-up information, is available for inspection during normal business hours at 1213 Market Street, Colusa, CA 95932. The full agenda packet can also be found on the CGA website: https://colusagroundwater.org

In compliance with the Americans with Disability Act, if you require special accommodation to participate in CGA Board or Subcommittee meetings, please contact the Colusa County Water Resources Division at 530-458-0891 prior to any meeting and arrangements will be made to accommodate you.



Groundwater Sustainability Plan First Annual Report, 2022

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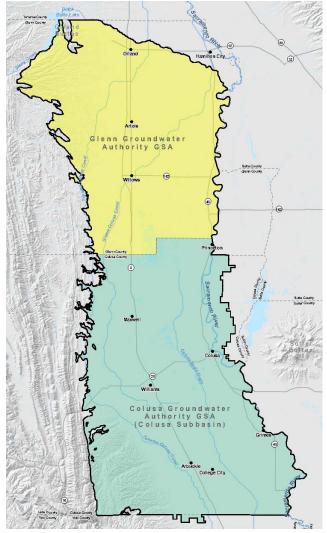
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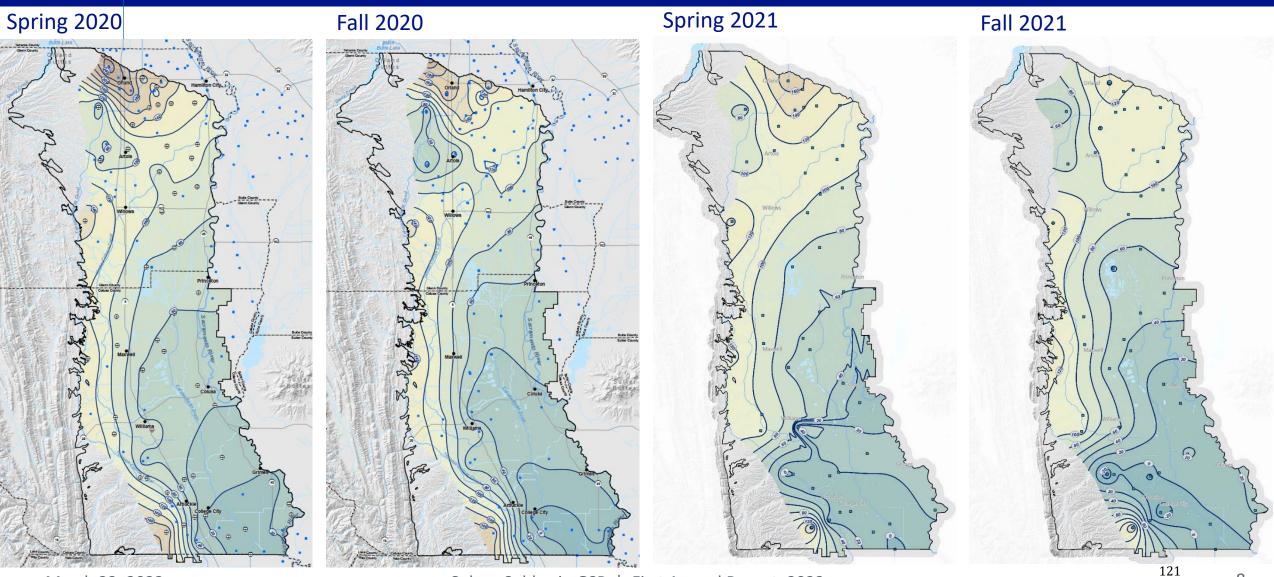
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Groundwater Conditions

Groundwater Levels Change in Groundwater Storage Subsidence

Groundwater Elevations 2020 through 2021

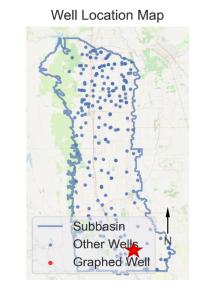
****DRAFT for Discussion****



March 22, 2022

Colusa Subbasin GSP | First Annual Report, 2022

COLUSA Subbasin - State Well Number (SWN): 13N01W07G001M



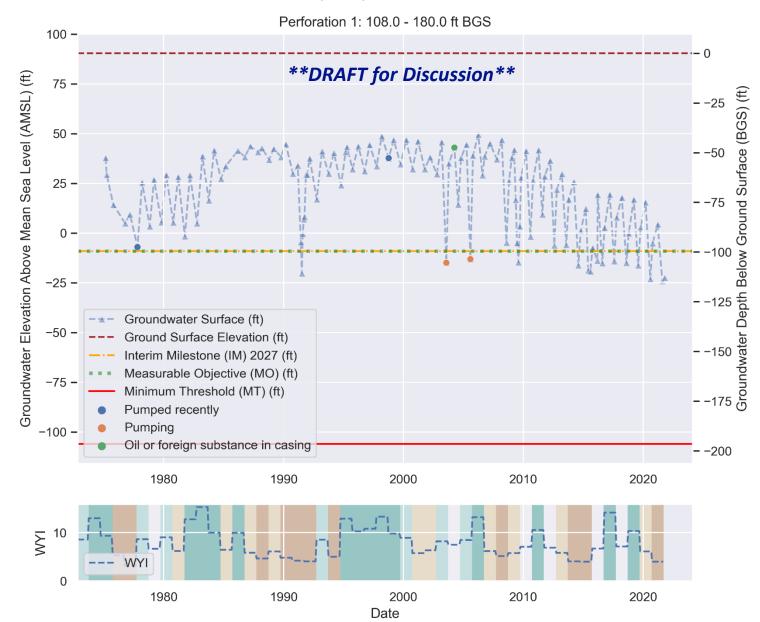
Sustainable Management Criteria:

IM (2027) = -9.0 ft AMSL MO = -9.0 ft AMSL MT = -106.0 ft AMSL

Minimum Threshold is 50% of Range Below Historical.

Sacramento Valley Water Year Index (WYI) shown on lower right. Meaning of colors defined below.





COLUSA Subbasin - State Well Number (SWN): 22N03W24E002M





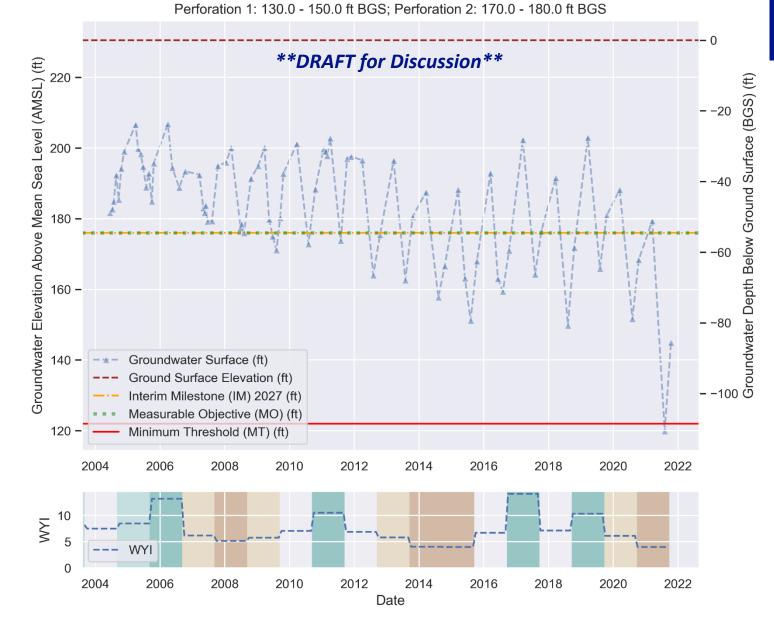
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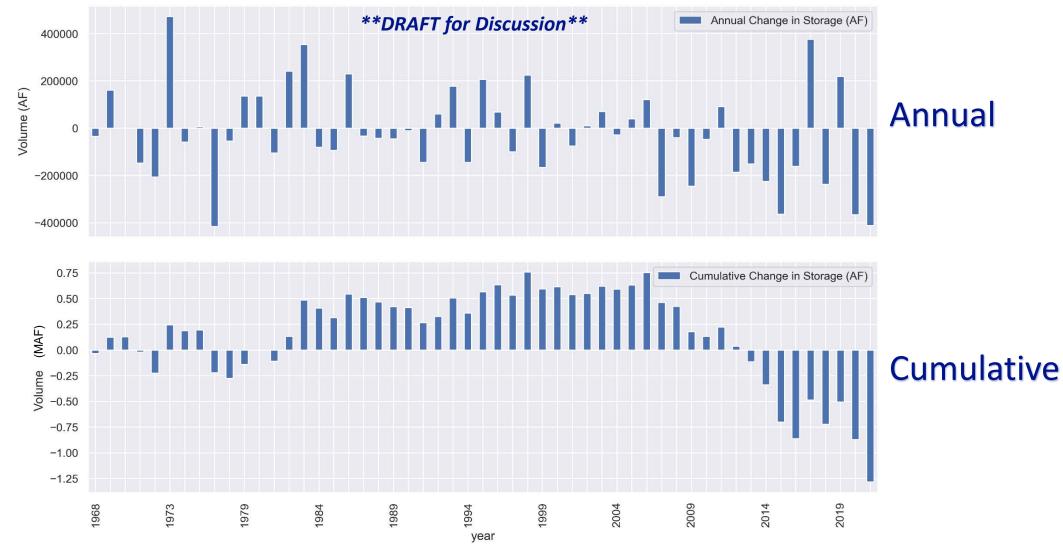
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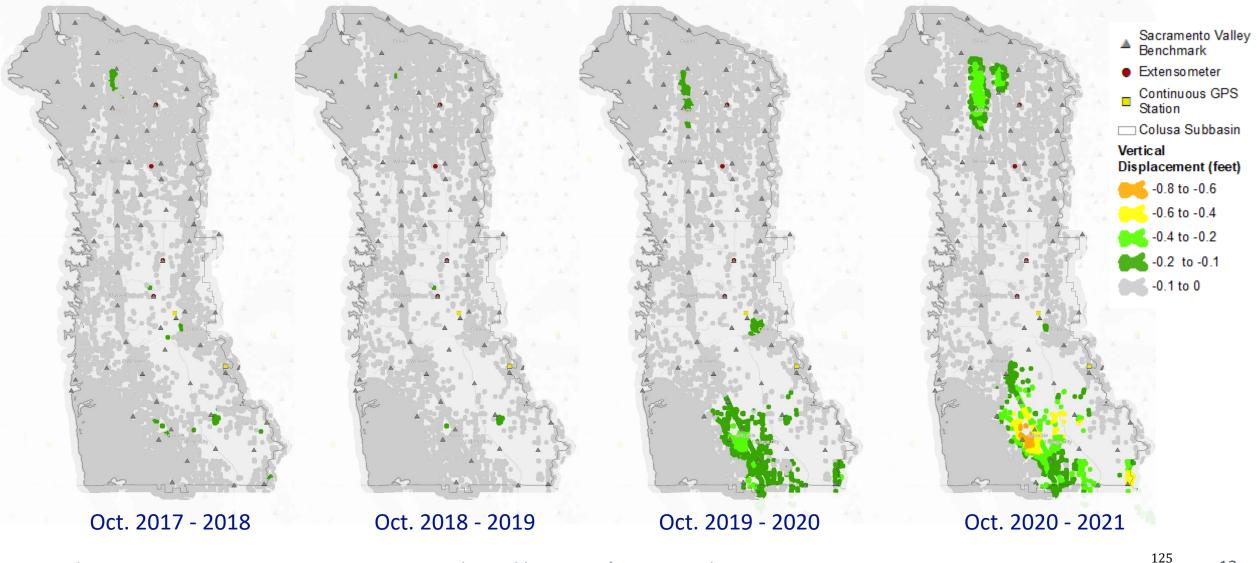


Annual and Cumulative Change in Groundwater Storage



Annual Subsidence 2017 to 2021 (TRE-ALTAMIRA InSAR Land Survey)

****DRAFT for Discussion****

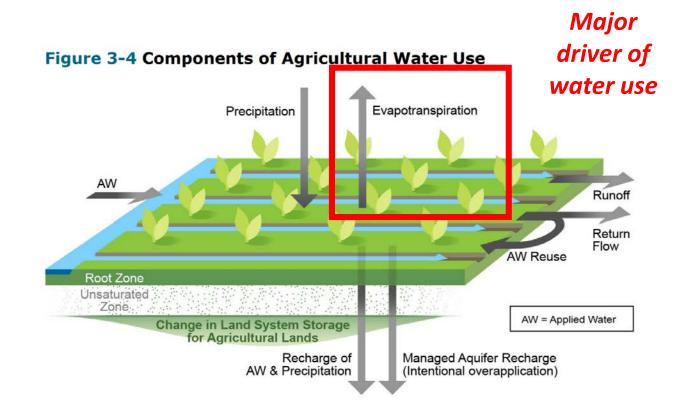


Water Supplies and Water Use

Surface Water Supplies Groundwater Extraction Total Water Use

Approach for Quantifying Water Use

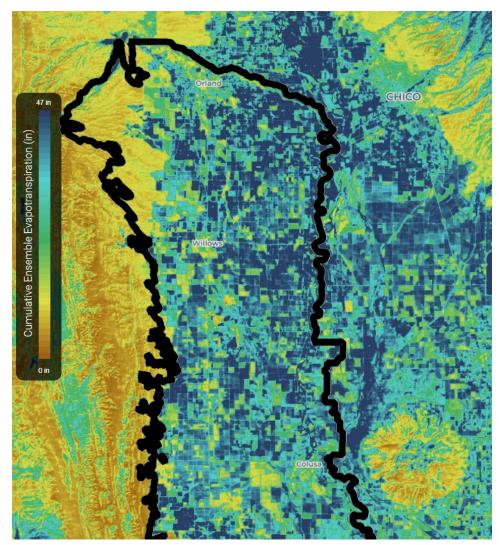
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Consumptive Water Use (Evapotranspiration)

- Evapotranspiration (ET) is a major driver of water use in the Colusa Subbasin
- Total water demand quantified from OpenET and remote sensing data



Source: https://openetdata.org/₁₂₈

Surface Water Supplies Available Each Water Year Average in 2016-2021 (Volume in 2021)

****DRAFT** for Discussion******

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Total Water Use for Agriculture

2,000,000 1,800,000 1,600,000 1,400,000 Acre-Feet ,200,000 1,000,000 800,000 600,000 400,000 200,000 **GSP** Analyses Annual Report 0 2001 (D) 2002 (D) 2009 (D) 2013 (D) 2020 (D) 2021 (C) 1991 (C) $(\underline{0})$ \mathbb{S} (BN) 2008 (C) Ś 2014 (C) 2015 (C) \mathbb{S} \mathbb{S} S S S S 2016 (BN) $\underline{0}$ 1993 (AN) 2000 (AN) 2003 (AN) 2005 (AN) 0 2010 (BN) 2012 (BN) 2018 (BN) 2019 (W) 1994 (C 1990 1992 2007 1995 (1999 (1996 2006 2011 1997 1998 2017 2004 Water Year (Type) ■ Surface Water Deliveries Groundwater Pumping

****DRAFT** for Discussion******

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GSP Implementation

Progress on PMAs Since GSP Development

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 - Planning efforts to fill data gaps
 - Sample topics:
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 - Subsidence benchmarks (subsidence monitoring)
- Expansion of subsidence monitoring network (10 additional benchmarks)

Closing Remarks

- Complete draft Annual Report is available for review now
- Comments and questions can be directed to:

Katie Klug Katherine@davidsengineering.com

Questions and Answers



Colusa Subbasin Well Monitoring Pilot Program Participant Information Form

BACKGROUND

The Colusa Subbasin Groundwater Sustainability Agencies (GSAs) are implementing an incentive-based pilot program to work with interested growers and landowners to continuously monitor groundwater use and water levels at participating wells. This voluntary, non-regulatory program is intended to support the GSAs in gathering information regarding groundwater use in the subbasin while providing participants with near-real time access to information on well production and groundwater levels at their wells to support irrigation management.

PROGRAM DESCRIPTION

Activities

Interested parties are invited to submit a brief application describing contact information, location, cropping, and other information related to the proposed groundwater well. Following the receipt of applications, participants will be selected considering certain criteria. Participants agree that the well location and information collected may be made publicly available. Participants also agree that GSA representatives may make site visits to inspect wells, verify installation, and collect manual measurements as needed.

Incentives

The program will cover the purchase cost of a flowmeter or upgrades to an existing flow meter (up to \$2,500), if needed, purchase and installation of a level sensor (to monitor groundwater levels), datalogger, solar panel, cellular modem, and 50 % of a 3-year subscription for web and mobile access to data gathered. Program participation may be extended beyond 3 years, as mutually agreed.

Participants will be responsible for:

- Installation of flow meter per manufacturer specifications
- Installation of access tube for level sensor in well casing, as needed
- 50% of a 3-year subscription for web and mobile data access (full payment at beginning of program, averages to approx. \$15 per month)
- Manual reporting of pumping data, in the event of device failure

Timeline

- February March 2022: Applications Accepted
- March May 2022: Participants Selected, Agreements Executed, Wells Inspected, and Equipment Installed
- June 2022 December 2024: Wells Monitored





Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68), and through an agreement with the State Department of Water Resources.

QUESTIONS?

For more information, please contact:

Colusa Groundwater Authority Denise Carter, CGA Chair 530-458-0891 • waterresources@countyofcolusa.com

Glenn Groundwater Authority Lisa Hunter, GGA Program Manager 530-934-6540 • lhunter@countyofglenn.net



To submit an application, please complete the survey at: https://arcg.is/148uzf or use the QR code

Appendix C GSP Development Activities

• See presentations under Appendix B

Appendix D

Project Photographs (as required)

None

<u>Appendix E</u> Invoice Projections (Prop. 1)

Project Ide	ntification Number:	3860-P01-242					
Calendar	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Total Grant Funds		
Year (CY)	Jan. 1 - Mar. 31	Apr. 1 - Jun. 30	Jul. 1 - Sep. 30	Oct. 1 - Dec. 31	per CY		
2018				\$ 13,059	\$ 13,059		
2019	\$ 2,822	\$ 10,715	\$ 51,229	\$ 55,592	\$ 120,358		
2020	\$ 20,538	\$ 147,533	\$ 70,427	\$ 112,507	\$ 351,005		
2021	\$ 231,205	\$ 213,997	\$ 18,429		\$ 463,631		
2022	\$-	\$ 51,947	\$-	\$-	\$ 51,947		
2023	\$-	\$-	\$-	\$-	\$-		
				PROJECT TOTAL:	\$ 1,000,000		

Appendix E Invoice Projections (Prop. 68)

-	\$						2018
-	\$						2019
5,668	\$	\$ 5,668	-	-			2020
635,390	\$	\$ 196,009	278,488	156,086	807	\$ 4,807	2021
358,542	\$	\$-	-	263,929	513	\$ 94,613	2022
-	\$	\$-	-	-	-	\$-	2023
999,600	: \$	PROJECT TOTAL:					
-	S	TOTAL GRANT PROJECT AWARD:					

Grantee Name and Address:	Agreement Number:	4600012655	Agreement Type:	Planning		1		Date of Invoice:		_		-		
Colusa Groundwater Authority		4600012655 Inv		Proposition:	4			Date of invoice:	5/31/2022		Invoice #	14		
100 Sunrise Blvd, Suite A		4000012000 111		Retention Amount:	1001									v5
Colusa, CA 95932	IRWM Region:	NDO	n n	Recention Amount.	10%	1		Period Covered	by this Invoice:				Invoicing	Funding Match
001004, 07(00002	ik www.kegion.	INRO				1		From	1/1/2022	To:	3/31/2022		Format:	Drawdown
		Budget Informati												
		Sudget informati			Current Invo	pice Summary				Tota	al Invoiced Sum	mary		
	Funding Match	2. Grant Share	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
	Funding Match	Grant Share	Match & Grant	Total Billed this	Grant Share	10% Retention	Net Amount to	Total Funding	Total Grant	Total Billed To	Total Funding	Total Grant	Total Grant	Total Retention
		THE REAL PROPERTY	Share	Invoice	Billed this Invoice		Be Paid by DWR		Share Billed in	Date	Match Billed to	Share Billed to	Share Paid by	Withheld to Date
	cle viviel.	1	Share		invoice	Grant Share Payment	this Invoice	Previous	Previous		DWR to Date	DWR to Date	DWR to Date	
Project 1:Colusa Subbasin Groundwater Sustainability Plan Development 3860-PM-242	20. A A A A A A A A A A A A A A A A A A A	All the second second				Payment		Invoices	Invoices					
SES# BE#	Sector Street	Carling to Press		Contract of the state			-							
Budget Category (a): Grant Administration	s -	\$ 16,320.00	\$ 16,320.00	s -	s -	s -	s -	s -	c	s .	s .			
Budget Category (b): Stakeholder Outreach and Coordination	s -	\$ 180,200.00	\$ 180,200,00	s -	s -	s .	s -	5	\$ 146,571,40			S 146 571 40	5 -	s -
Budget Category (c): GSP Development	s -	\$ 803,480,00	\$ 803,480,00	s -	s -	s -	s -	s -	\$ 801,480.00			0 140,071.40		
CD#: Project Subtotal	\$ -	\$ 1,000,000.00	\$ 1.000.000.00	s .	\$.	5	\$.	\$ -	\$ 948.051.40			S 801,480.00		
	120 ALSO R	Real Street							\$ 340,031.40	\$ 348,031.40	\$ -	\$ 948,051.40	\$ 853,246.26	\$ 94,805.14
GRANT TOTALS :	\$0.00	\$1,000,000,00	\$1,000,000.00	\$0.00	£0.00									
Signature* of Agency's Authorized Representative:	\$0.00	131,000,000.00		and the second se	\$0.00	\$0.00	\$0.00	\$0.00	\$948,051.40	\$948,051.40	\$0.00	\$948,051.40	\$853,246.26	\$94,805.14
Printed Name of Agency's Authorized Representative:		Denise Carter		Date: Title:	5/31/2022					R				
by signing this form r centry under penalty or law, that the infor	mation provided is	conect and accura	ite to the best of hi	y knowledge, repres	Chair									
part of any other invoice for this project		and the second		FOR DEPAR				•	period of this invo	ice, and that the re	inibulsement requ	esteu nas not been	nor will be submitt	eu for payment as
Approved by DWR Project Manager (Print Name):				FOR DEFAK	IMENI OF									
Title:														
Signed: Date: Date: Date: Date:														
I am verifying that the supporting documentation has been	Project Manager	Comments:				loigheu.								
reviewed, is satisfactory, and is available upon request.			paid to alternat	e vendor 506131										
DWR PM Initials	Cost Center:			AGPA Comment	s:			Remaining Gran	t Share:					
Purchase Order: 4500261960	Requisition No.: Requisition No.: 10145569 Vendor No.: 200721 (506131)						T	31,948.80						
				1		1		INCI AMOUNI	TO BE PAID E	IT DWR THIS IN	WOICE:			\$0.00

Grantee Name and Address:	Agreement Number:	4600012655	Agreement Type:	Planning		1		Date of Invoice:	E /24/2022			1		
Colusa Groundwater Authority	File Name:	4600012655 Inv		Retention Amount:	10%			Date of invoice:	5/31/2022				Invoice #	14b
100 Sunrise Blvd, Suite A	Proposition:	68		Execution Date:	10/29/2018			Desired Courses						v5
Colusa, CA 95932		Northern Sac Vall		Termination Date:				Period Covered					Invoicing	Funding Match
				Termination Date.	10/31/2022	1		From:	1/1/2022	To:	3/31/2022		Format:	Drawdown
	В	udget Informati	оп		Current Invoic	e Summary		1						
	1. Funding Match	2. Grant Share	3. Sum of Funding	4. Total Billed this	5.	6.	7.	8.	9.	10.	al Invoiced Sum 11.	12.	13.	14.
	i unung maten	Grant Share	Match & Grant	Invoice	Grant Share Billed this	10% Retention Withheld from	Net Amount to	Total Funding	Total Grant	Total Billed To	Total Funding	Total Grant	Total Grant	Total Retention
	1 Same		Share	invoice	Invoice	Grant Share	Be Paid by DWR this Invoice	Previous	Share Billed in Previous	Date	Match Billed to DWR to Date	Share Billed to DWR to Date	Share Paid by DWR to Date	Withheld to Date
Project Name 3860-PM-242	The second second second	12 13 18 18 18 18 18 18 18 18 18 18 18 18 18		In the second states of the		Payment		Invoices	Invoices					
SES# BE#	Service of the servic	PARTY CONTRACTOR		ELCIPTON NO.										
Budget Category (a): Grant Administration	s -	\$ 58,240.00	\$ 58,240,00	s -	s -	s -	s -	e		5				
Budget Category (b): Outreach and Communication	s -	\$ 49,560.00	S 49,560,00	\$ 5,116,75				s -	S 18,427,50	-	<u>s</u> -	S -	s -	s -
Budget Category (c): GSP Development	s -	\$ 825,680.00	\$ 825,680.00	\$ 87.611.25	\$ 87,611.25				\$ 567,085,73			\$ 23,544.25	\$ 21,189.83	
Budget Category (d) : Monitoring and Assessment	s -	\$ 66,120.00	\$ 66,120.00	\$ 1,884,75	\$ 1,884,75			s -	\$ 55,509,37	\$ 57,394.12		\$ 654,696.98	\$ 589,227.28	\$ 65,469.70
CD#: Project Subtotal	s .	\$ 999,600.00	\$ 999,600.00	\$ 94,612.75	\$ 94,612.75		- Hoodely	A Rent House	\$ 641,022.60			\$ 57,394.12 \$ 735,635,35	\$ 51,654.71 \$ 662,071.82	\$ 5,739.41 \$ 73,563,54
GRANT TOTALS :	\$0.00	\$999.600.00	\$999.600.00	\$94,612.75	\$94,612.75	£0.464.20	\$85,151.46							
Signature* of Agency's Authorized Representative:				Date: May 31, 2022	334,012.13	33,401.23	\$05,151.46	\$0.00	\$641,022.60	\$735,635.35	\$0.00	\$735,635.35	\$662,071.82	\$73,563.54
Printed Name of Agency's Authorized Representative: 1	Denise Carter	5.		Title: Chair										
* By signing this form I certify under penalty of law, that the in	formation provided i	s correct and accu	rate to the best of n	v knowledge represent	s the work perform	ed as outlined und	this grant agrees							
		a as and last	The state	FOR DEPAR	IMENT OF V	VATER RESC			od of this invoice, a	nd that the reimbur	sement requested	has not been nor wi	II be submitted for	payment as part of
Approved by DWR Project Manager (Print Name): Approved by DWR Program M														
Title														
Signed: Date: Date: Date:										1				
am verifying that the supporting documentation has Project Manager Comments: Deen reviewed, is satisfactory, and is available upon DWR PPM Initial;														
request. DWR PM Initials	Cost Center:			AGPA Comments:				Remaining Gran	Charo:					
Purchase Order: 4500280152	Requisition No .:	10145569			200721 (506131)				TO BE PAID B		10105			\$263,964.65
					200121 (000101)			INET AMOUNT	TO BE PAID B	Y DWR THIS IN	VOICE:			\$85,151.46

BACK UP DOCUMENTATION SUMMARY TABLE

Grantee: Colusa Groundwater Authority DWR Agreement No. 46-00012655 Invoicing Period: January 1, 2022-March 31, 2022 Report: 14; Invoice: 14 (Proposition 1) Report: 8; Invoice: 8 (Proposition 68)

need to be updated

				•	nt 1, Cat. b: Outreach and	Component 1	l, Cat. C: GSP	Cat D: Well Mon							
				Edu	cation	Development Program					REF	PORT PAGE N	UMBERS		
	Invoice		Total Invoice						Total Invoice				ERA	Woodard	
Consultant Invoice	number	Invoice Date	Amount	Prop. 1	Prop. 68	Prop. 1	Prop. 68	Prop. 68	Accuracy check	Summary	Davids Eng.	West Yost	Econ.	Curran	CSU Sac
Davids Engineering, Inc.	1178.04-5003	1/31/2022	\$1,293.50	\$0.00	\$0.00	\$0.00	\$1,293.50	\$0.00	\$1,293.50	144	146				
Davids Engineering, Inc.	1178.03-5028	1/31/2022	\$21,560.50	\$0.00	\$5,116.75	\$0.00	\$16,443.75	\$0.00	\$21,560.50	149	151	179	177		165
Davids Engineering, Inc.	1178.04-5050	2/28/2022	\$4,075.50		\$0.00		\$4,075.50		\$4,075.50	183	185				
Davids Engineering, Inc.	1178.03-5071	2/28/2022	\$6,615.75				\$5,652.00	\$963.75	\$6,615.75	191	193		207		
Davids Engineering, Inc.	1178.04-5122	3/31/2022	\$42,728.50				\$42,728.50		\$42,728.50	209	211	219			
Davids Engineering, Inc.	1178.03-5125	3/31/2022	\$18,339.00	\$0.00	\$0.00	\$0.00	\$17,418.00	\$921.00	\$18,339.00	226	228	243	241		
		TOTAL	\$94,612.75	\$0.00	\$5,116.75	\$0.00	\$87,611.25	\$1,884.75	\$94,612.75						

Prop 1 total	\$0.00
Prop 68 total	\$92,728.00
P. 68 Cat D total	\$1,884.75
	\$94,612.75

\$94,612.75 Prop 68 Total

Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.04-5003 Invoice total: \$1,293.50

BUDGET CATEGORY A: GRANT ADMINISTRATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY C: GSP DEVELOPMENT

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$1,293.50

Description of Work performed:

- Gather Required Annual Report Data
 - Reviewing data needs, downloading data, sending data requests, data request follow up, summarize SW data sources, project support
- Describe Groundwater Conditions and Water Budget Components
 - o Reformat Data
- Prepare Annual Report
 - o Outline Annual Report

BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$0.00

Invoice Tax ID#68-0346173 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 530/757-6107 - phone 530/757-6118 - fax January 31, 2022 Lisa Hunter Invoice No: 1178.04 - 5003 Glenn Groundwater Authority 225 N Tehama St. Willows, CA 95988 Glenn Groundwater Authority - Colusa GSP Annual Report 2022 Project 1178.04 Professional Services from December 1, 2021 to January 31, 2022 Gather Required Annual Report Data Task 01.00 Sub-Task DE.00 Davids Engineering, Inc. **Professional Personnel** Hours Rate Amount Secretary/Clerical II 95.00 47.50 Clark, Cynthia .50 Associate Engineer I Klug, Katherine 2.75 175.00 481.25 Associate Project Assistant Clark, Cynthia .25 94.00 23.50 Totals 3.50 552.25 Total Labor 552,25 **Total this Sub-Task** \$552.25 **Total this Task** \$552.25 **Billings to Date** Current Prior Total Labor 552.25 0.00 552.25 552.25 Totals 0.00 552.25 Task 02.00 Describe Groundwater Conditions and Water Budget Components Sub-Task DE.00 Davids Engineering, Inc. **Professional Personnel** Hours Rate Amount Staff Project Assistant Schroeder, Cathy 3.75 81.00 303.75 Totals 3.75 303.75 **Total Labor** 303.75 **Total this Sub-Task** \$303.75 **Total this Task** \$303.75

DAVIDS ENGINEERING, INC.

Project	1178.04	Glenn GWA -Colu	sa GSP Annual I	Report 2022	Invoice	5003
Billings to D)ate		100 C			
		Current	Prior	Total		
Labor		303.75	0.00	303.75		
Totals		303.75	0.00	303,75		
Task	04.00	Prepare Annual Rep	ort			
Sub-Task	DE.00	Davids Engineering,	Inc.			
Professiona	l Personnel					
			Hours	Rate	Amount	
	e Engineer I					
Klug	, Katherine		2.50	175.00	437.50	
	Totals		2.50		437.50	100 00
	Total Lab	or				437.50
				Total this Sub	o-Task	\$437.50
				Total this	Task	\$437.50
Billings to D	ate					
		Current	Prior	Total		
Labor		437.50	0.00	437.50		
Totals		437.50	0.00	437.50		
Contract Am	ount	0	urrent	Prior	To-Date	
Total Bill	ings	1	293.50	0.00	1,293.50	
Con	tract Amount				50,000.00	
Rem	aining				48,706.50	
				Total this In	voice	\$1,293.50
Billings to D	ate					
		Current	Prior	Total		
Labor		1,293.50	0.00	1,293.50		
Totals		1,293.50	0.00	1,293.50		
certify that th	ne above invoice is tr	rue and correct to the be	st of my knowled	ge.		
		Q LOA	P.			
Authorized By	/:	Starty Ele	rds	Date:	02/04/2022	

Project	1178.04	Glenn GWA -Colus	a GSP Annual F	Report 2022	Invoice	5003
Billina	Backup				Friday Fe	ebruary 4, 2022
Davids Engin		Inv	voice 5003 Date	1/31/2022	, nouy, i e	5:20:40 PN
<u></u>		100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- Ballen and Stanley	No. of the local data	States of Car
Project	1178.04	Glenn Groun	dwater Authority	- Colusa GSP	Annual Report 202	2
Task	01.00	Gather Required Ann	ual Report Data			
Sub-Task	DE.00	Davids Engineering, I	Inc.			
Professional	Personnel					
			Hours	Rate	Amount	
a second s	/Clerical II					
Clark, Cynthia		12/17/2021	.50	95.00	47.50	
	Project support, ac	counting				
Klug, Katherin	Engineer I	1/26/2022	1.50	175.00	262.50	
		eport data needs, downloa			202100	
en nord	data requests to ci	ties, agencies				
Klug, Katherin		1/27/2022	.75	175.00	131.25	
	eviewing annual n ollow-up	eport data needs, download	ding data, data r	equest		
Klug, Katherin		1/31/2022	.50	175.00	87.50	
	summarizing SW d	ata sources				
	Project Assistant	- No. 177 AD		1.000	30.55	
Clark, Cynthia		1/17/2022	.25	94.00	23.50	
	Project support, ac Totals	counting	3.50		552.25	
	Total Lab	or	5.50		552.25	552.25
	20,001 20,0			Tradition C.		
				Total this Su	D-Task	\$552.25
				Total thi	s Task	\$552.25
Task		Describe Groundwate		vvater Budget		
Sub-Task	DE.00	Davids Engineering, Ir	ю.			
Professional	Personnel		addition.	41.1.1	12400306	
Stoff Drois	ect Assistant		Hours	Rate	Amount	
Schroeder, Ca		1/26/2022	1.00	81.00	81.00	
	leformat Data		1.50	01.00	01.00	
Schroeder, Ca	thy	1/27/2022	1.00	81.00	81.00	
	leformat data		10.57	and the second		
Schroeder, Ca		1/28/2022	1.25	81.00	101.25	
Bchroeder, Ca	leformat Data	1/31/2022	.50	81.00	40.50	
	eformat data	ITO NZOZZ		01.00	40.00	
	Totals		3.75		303.75	
	Total Lab	or				303.75
				Total this Sut	23.0	\$303.75

Project	1178.04	Glenn GWA -Colusa GS	SP Annual F	Report 2022	Invoice	5003
				Total th	is Task	\$303.75
Task	04.00	Prepare Annual Report				
Sub-Task	DE.00	Davids Engineering, Inc.				
Profession	al Personnel					
			Hours	Rate	Amount	
	ate Engineer I					
Klug, Kathe		1/31/2022	2.50	175.00	437.50	
	outlining annual rep Totals	рог	2.50		437.50	
	Total Lab	or	2.50		457.50	437.50
				Total this Su	b-Task	\$437.50
				Total thi	is Task	\$437.50
				Total this I	Project	\$1,293.50
				Total this	Report	\$1,293.50

Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.03-5028 Invoice total: \$21,560.50

BUDGET CATEGORY A: GRANT ADMINISTRATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$5,116.75

Description of Work performed:

- Stakeholder Outreach and Coordination
 - o Conduct Outreach and Engagement Activities

BUDGET CATEGORY C: GSP DEVELOPMENT

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$16,443.75

Description of Work performed:

- Project Management
 - Coordinating funding/financing discussions, GSP check in, DMS discussion coordination, team meeting, project support
- Data Management System
 - o DMS discussion coordination, DMS discussion follow up
- Funding Mechanisms
 - Review GSP files and presentations, develop meeting notes and outline for GSP docs and presentation overview, refine outline presentation, notes for presentation, review other GSA financing and prepare notes, develop PowerPoint template/outline

- Hydrogeologic Investigation
 - Review and revise elements guide, Prepare and upload materials for GSP to SGMA portal, Annual Report/DMS data inventory, prepared revised outline for work plan, finalize and review GSP submittal

BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$0.00

Invoice

DAVIDS ENGINEERING, INC. Tax ID#68-0346173 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 530/757-6107 - phone 530/757-6118 - fax

> February 11, 2022 Invoice No: 1178.03 - 5028

Lisa Hunter Glenn Groundwater Authority 225 N Tehama St. Willows, CA 95988

Project 1178.03 Glenn Groundwater Authority - Colusa Subbasin GSP Development Professional Services from January 1, 2022 to January 31, 2022

Project Management

Task	01.00
Professional	Personnel

Professional Personnel				
	Hours	Rate	Amount	
Associate Engineer I				
Klug, Katherine	3.75	175.00	656.25	
Associate Project Assistant				
Clark, Cynthia	1.25	94.00	117.50	
Totals	5.00		773.75	
Total Labor				773.75
Contract Amount	Current	Prior	To-Date	
Total Billings	773.75	43,377.75	44,151.50	
Contract Amount			44,200.00	
Remaining			48.50	
		Total th	is Task	\$773.75

Billings	to	Date
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Construction of the second state of the						
		Current	Prior	Total		
Labor		773.75	43,377.75	44,151.50		
Totals		773.75	43,377.75	44,151.50		
Task	02.00	Stakeholder Out	treach and Coordin	ation		15332
Sub-Task	CS.US	California State	University, Sacram	iento		100466
Consultants			XMARIO SORON			
California Stat	e University, S	Sacramento				
1/25/2022	California Sacrame	State University, nto	Professional Ser November, 2021		3,536.25	
1/31/2022	California Sacrame	State University, nto	Professional Ser December, 2021	a server and the server of the	1,580.50	
	Total Co	nsultants		1.0 times	5,116.75	5,116.75
Contract Amount			Current	Prior	To-Date	
Total Billings			5,116.75	71,863.50	76,980.25	
Contract A	mount				104,540.15	
Remaining					27,559.90	

Serving Stewards of Western Water since 1993

Project	1178.03	Glenn GWA - (Colusa Subbasin	GSP Develop.	Invoice	5028
		1.2.2.000	A. S. S. A.	Total this Su	ıb-Task	\$5,116.75
Sub-Task	DE.00	Davids Engineer				
Contract A		Davids Engineen	Current	Prior	To-Date	
	and the second se				11.242.2017.212	
Total Bi Cor	ntract Amount		0.00	47,725.75	47,725.75 46,759.85	
				Total this Su	b-Task	0.00
				Total th	is Task	\$5,116.75
Billings to [Date					
		Current	Prior	Total		
Labor		0.00	47,725.75	47,725.75		
Consult	ant	5,116.75	71,863.50	76,980.25		
Totals		5,116.75	119,589.25	124,706.00		
Tools		Data Callesting		وبدائد المراجز المراجز		
Task	03.01	Data Collection a		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Sub-Task	DE.00	Davids Engineeri		1.2410		
Contract An			Current	Prior	To-Date	
Total Bil			0.00	3,558.75	3,558.75	
	itract Amount naining				3,559.00	
Ren	naining				.25	
				Total this Su	b-Task	0.00
11220	222222					
Sub-Task	WY.A0	West Yost Associ	ates			
Contract An	nount		Current	Prior	To-Date	
Total Bil			0.00	21,976.00	21,976.00	
Con	tract Amount				21,976.00	
				Total this Sul	o-Task	0.00
				Total this	s Task	0,00
Billings to D	ate					
		Current	Prior	Total		
Labor		0.00	3,558.75	3,558.75		
Consulta	int	0.00	21,976.00	21,976.00		
Totals		0.00	25,534.75	25,534.75		
ask	03.02	Integrated Hydrold				
Sub-Task	DE.00	Davids Engineerin	The second secon			
Contract Am			Current	Prior	To-Date	
Total Bill Cont	ings Iract Amount		0.00	111,913.00	111,913.00 111,913.00	
				Total this Sub	-Task	0.00
				Total this	Task	0.00

Project	1178.03	Glenn GWA - C	olusa Subbasin G	SSP Develop.	Invoice	5028
Billings to D	late					
		Current	Prior	Total		
Labor		0.00	111,913.00	111,913.00		
Totals		0.00	111,913.00	111,913.00		
Task	03.03	Monitoring Protoco				
Sub-Task	DE.00	Davids Engineerin	g, Inc.			
Contract Am	nount	•	Current	Prior	To-Date	
Total Bill	ings		0.00	110.00	110.00	
Cont	tract Amount				110.00	
				Total this Sub	o-Task	0.00
		West Yost Associa				
Contract Am		West Tust Associa	Current	Prior	To-Date	
Total Billi			0.00	6,455.00	6,455.00	
Contract Amount			0.00	0,455.00	6,455.00 6,455.00	
com				Total this Sub		0.00
					-1451	0.00
				Total this	Task	0.00
Billings to Da	ate					
N 12		Current	Prior	Total		
Labor		0.00	110.00	110.00		
Consultar	nt	0.00	6,455.00	6,455.00		
Totals		0.00	6,565.00	6,565.00		
Task	03.04	Data and Reporting	Standards			
Sub-Task	DE.00	Davids Engineering	g, Inc.			
				Total this Sub	-Task	0.00
 - Sub-Task	WY.A0	West Yost Associa	tes			
Contract Ame	ount		Current	Prior	To-Date	
Total Billin	ngs		0.00	9,451.00	9,451.00	
Contr	ract Amount				9,451.00	
				Total this Sub	-Task	0.00
				Total this	Task	0.00
Billings to Da	ite					
		Current	Prior	Total		
Consultar	nt	0.00	9,451.00	9,451.00		
Totals		0.00	9,451.00	9,451.00		
r a sk	03.05	Data Management	System			
			tind and best past best land			

Project	1178.03	Glenn GWA -	Colusa Subbasin G	SP Develop.	Invoice	5028
Profession	al Personnel					
			Hours	Rate	Amount	
	Data Scientist					
	ll, Lindsay		2.00	176.00	352.00	
	ate Engineer I					
Klu	g, Katherine		1.00	175.00	175.00	
	Totals		3.00		527.00	
	Total La	JOF				527.00
Contract Ar			Current	Prior	To-Date	
Total Bi			527.00	2,934.00	3,461.00	
	ntract Amount				21,146.00	
Rer	maining				17,685.00	
				Total this Su	b-Task	\$527.00
 - Sub-Task	WY.A0	West Yost Asso				
Contract An	nount	10.00000000000000000000000000000000000	Current	Prior	To-Date	
Total Bil	llings		0.00	4,999.00	4,999.00	
	ntract Amount		ann an Airthur an Airthur	n 🖕 a substance come (201920/2017)	5,000.00	
Ren	naining				1.00	
				Total this Su	b-Task	0.00
				Total thi	e Tack	\$527.00
				i otai thi	3 1031	\$327.UU
Billings to D	Date	•				
Labor		Current 527.00	Prior	Total		
Consulta	ant	527.00 0.00	2,934.00 4,999.00	3,461.00 4,999.00		8
Totals	2116	527.00	4,999.00 7,933.00	4,999.00 8,460.00		
Task	03.06	GSP Administrat				
Sub-Task	DE.00	Davids Engineer				
Contract Am			Current	Prior	To-Date	
Total Bill			0.00	307.50	307.50	
Con	tract Amount				307.00	
				Total this Sub	o-Task	0.00
 Sub-Task		West Yost Assoc	 iates			
Contract Am	ount		Current	Prior	To-Date	
Total Bill	ings		0.00	21,949.00	21,949.00	
	tract Amount			Υσ.	21,949.00	
				Total this Sub	o-Task	0.00
				Total this	a Task	0.00
Billings to Da	ate					
		Current	Prior	Total		
Labor		0.00	307.50	307.50		

Project	1178.03	Glenn GWA -	Colusa Subbasin (GSP Develop.	Invoice	5028
Consuli	tant	0.00	21,949.00	21,949.00		
Totals		0.00	22,256.50	22,256.50		
Task	02.07					
	03.07	Basin Setting				فيدادر كالكاجر
Sub-Task	DE.00	Davids Engineer				
Contract Ar			Current	Prior	To-Date	
Total Bi			0.00	19,465.00	19,465.00	
	ntract Amount				19,468.00	
Rer	maining				3.00	
				Total this Sul	b-Task	0.00
Sub-Task	ER.A0	ERA Economics,	LLC			
Contract An		2121222	Current	Prior	To-Date	
Total Bi			0.00	2,455.00	2,455.00	
	tract Amount				2,455.00	
				Total this Sub	and the second	0.00
عجرعابده	oopoebe					
Sub-Task	WY.A0	West Yost Assoc			4.4.4	
Contract An			Current	Prior	To-Date	
Total Billings			0.00	22,988.00	22,988.00	
Contract Amount Remaining					23,017.00 29.00	
Nen	naning			the stand wat wat of		
				Total this Sub-Task		0.00
				Total this	a Task	0.00
Billings to D	ate					
		Current	Prior	Total		
Labor		0.00	19,465.00	19,465.00		
Consulta	ant	0.00	25,443.00	25,443.00		
Totals		0.00	44,908.00	44,908.00		
ask	03.08	Sustainable Man				
		Sustainable Mana		******		
Sub-Task	DE.00	Davids Engineering		2007	2.2.0	
Contract Am			Current	Prior	To-Date	
Total Bill	A set T to a set of the set of th		0.00	52,647.20	52,647.20	
	tract Amount				52,654.00	
Rem	aining				6.80	
				Total this Sub	-Task	0.00
ub-Task	ER.A0	ERA Economics,				
Contract Am			Current	Prior	To-Date	
Total Bill	1.35.9		0.00	11,221.00	11,221.00	
	ract Amount		0.00		11,221.00	
				Total this Sub-	Teck	0.00

Project	1178.03	Glenn GWA - (Colusa Subbasin	GSP Develop.	Invoice	5028
Sub-Task	WC.00	Woodard and Cu				
Contract Am	nount		Current	Prior	To-Date	
Total Bill			0.00	154,669.25	154,669.25	
Con	tract Amount				154,669.25	
				Total this Su	b-Task	0.00
Sub-Task	WY.A0	West Yost Assoc	iates			
Contract Am	ount		Current	Prior	To-Date	
Total Bill			0.00	61,270.50	61,270.50	
	tract Amount				61,318.00	
Rem	aining				47.50	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to Da	ate					
		Current	Prior	Total		
Labor		0.00	52,647.20	52,647.20		
Consultar	nt	0.00	227,161.00	227,161.00		
Add-on		0.00	25	25		
Totals		0.00	279,807.95	279,807.95		
Task	03.09	Monitoring Netwo	<u>rk</u>			
Sub-Task	DE.00	Davids Engineerir	ng, Inc.			
Contract Ame			Current	Prior	To-Date	
Total Billin			0.00	4,590.00	4,590.00	
Contr	ract Amount				4,590.00	
				Total this Sub	o-Task	0.00
Sub-Task	WY.A0	West Yost Associa				
Contract Amo	ount		Current	Prior	To-Date	
Total Billir			0.00	72,878.00	72,878.00	
	act Amount				72,908.00	
Rema	aining				30.00	
				Total this Sub	o-Task	0.00
				Total this	a Task	0.00
Billings to Da	te					
		Current	Prior	Total		
Labor		0.00	4,590.00	4,590.00		
	ıt	0.00	72,878.00	72,878.00		
Consultan		0.00	77,468.00	77,468.00		
Consultan Totals						
	03.10	Projects and Mana		́		

	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5028
Contract Am	nount		Current	Prior	To-Date	
Total Bill	•		0.00	92,347.75	92,347.75	
	tract Amount				92,836.00	
Rem	naining				488.25	
				Total this Su	ıb-Task	0.00
 _	— — — — — — — — — — — — — — — — — — —	ERA Economics				
Contract Am			Current	Prior	To-Date	
Total Billi			0.00	48,363.75	48,363.75	
	tract Amount		0.00	40,000.70	50,000.00	
	aining				1,636.25	
	0			Total this Su		0.00
 . Sub-Task						
Contract Am		West Yost Assoc	ates Current	Prior	To-Date	
Total Billi			0.00			
	ract Amount		0.00	7,493.50	7,493.50 7,500.00	
	aining				7,500.00 6.50	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to Da	ate					
		Current	Prior	Total		
Labor		0.00	92,350.75	92,350.75		
Consultar	nt	0.00	55,857.25	55,857.25		
Add-on		0.00	-3.00	-3.00		
Totals		0.00	148,205.00	148,205.00		
Task	03.11	GSP Document P	reparation and A	doption		
Sub-Task	DE.00	Davids Engineerir	ng, Inc.			
Contract Amo	ount		Current	Prior	To-Date	
Total Billin	ngs		0.00	39,549.00	39,549.00	
Contra	act Amount				39,549.00	
				Total this Sub	o-Task	0.00
- — — — — – Sub-Task	WY.A0	West Yost Associa				
Jub-Tusk	ount		Current	Prior	To-Date	
	as		0.00	65,202.37	65,202.37	
Contract Amo Total Billin	•				65,278.00	
Contract Amo Total Billin Contra	act Amount					
Contract Amo Total Billin	act Amount				75.63	
Contract Amo Total Billin Contra	act Amount			Total this Sub	75.63	0.00

Billings to D	1178.03	Glenn GWA -	Colusa Subbasin C	SSP Develop.	Invoice	5028
	Date					
		Current	Prior	Total		
Labor		0.00	39,549.00	39,549.00		
Consulta	ant	0.00	65,202.37	65,202.37		
Totals		0.00	104,751.37	104,751.37		
Task	04.00	Funding Mechai	- 			
Sub-Task	DE.00	Davids Engineer				
Contract An	nount		Current	Prior	To-Date	
Total Bil	linas		0.00	9,680.00	9,680.00	
	tract Amount		0.00	0,000.00	9,680.00	
				Total this Su		0.00
Sub-Task Consultants	ER.A0	ERA Economics	, LLC			
ERA Eco	onomics, LLC					
1/31/2	2022 ERA Ecor	nomics, LLC	Professional Serv January 1 to Janu - see attached		2,202.50	
	Total Cor	nsultants		1.0 times	2,202.50	2,202.50
Contract Am	ount		Current	Prior	To-Date	
Total Bill	ings		2,202.50	31,710.00	33,912.50	
Cont	tract Amount				40,000.00	
Rem	aining				6,087.50	
				Total this Sub	o-Task	\$2,202.50
				Total this	s Task	\$2,202.50
Billings to Da	ate					
Ū		Current	Prior	Total		
Labor		0.00	9,680.00	9,680.00		
-	nt	2,202.50	31,710.00	33,912.50		
Consulta		2,202.50	41,390.00	43,592.50		
Consultar Totals			41,000.00			
Totals	05.00	Hydrogeologic In				
Totals ask sub-Task	DE.00		vestigation			
Totals ask Sub-Task	DE.00	Hydrogeologic In	vestigation			
Totals Task Sub-Task Professional	DE.00 Personnel	Hydrogeologic In	vestigation			
Totals ask Sub-Task Professional Principal	DE.00 Personnel Engineer	Hydrogeologic In	vestigation ng, Inc. Hours			
Totals ask bub-Task Professional Principal David	DE.00 Personnel Engineer ds, Grant	Hydrogeologic In	vestigation		Amount 440.00	
Totals ask ub-Task rofessional Principal David Senior Pr	DE.00 Personnel Engineer ds, Grant oject Assistant	Hydrogeologic In	vestigation ng, Inc. Hours 2.00	Rate 220.00	440.00	
Totals ask bub-Task Professional Principal David Senior Pr David	DE.00 Personnel Engineer ds, Grant oject Assistant ds, Kristi	Hydrogeologic In	vestigation ng, Inc. Hours			
Totals ask bub-Task Professional Principal David Senior Pr David Associate	DE.00 Personnel Engineer ds, Grant oject Assistant ds, Kristi Engineer I	Hydrogeologic In	vestigation ng, Inc. Hours 2.00 1.50	Rate 220.00 105.00	440.00 157.50	
Totals ask bub-Task professional Principal David Senior Pr David Associate Klug,	DE.00 Personnel Engineer ds, Grant oject Assistant ds, Kristi Engineer I Katherine	Hydrogeologic In	vestigation ng, Inc. Hours 2.00	Rate 220.00	440.00	
Totals ask ub-Task rofessional Principal David Senior Pri David Associate Klug, Staff Proje	DE.00 Personnel Engineer ds, Grant oject Assistant ds, Kristi Engineer I Katherine ect Assistant	Hydrogeologic In	vestigation ng, Inc. 2.00 1.50 51.50	Rate 220.00 105.00 175.00	440.00 157.50 9,012.50	
Totals ask bub-Task Professional Principal David Senior Pri David Associate Klug, Staff Proje	DE.00 Personnel Engineer ds, Grant oject Assistant ds, Kristi Engineer I Katherine	Hydrogeologic In	vestigation ng, Inc. Hours 2.00 1.50	Rate 220.00 105.00	440.00 157.50	

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5028
Contract Amo	unt		Current	Prior	To-Date	
Total Billings Contract Amount Remaining			11,108.50	23,018.25	34,126.75 65,099.00 30,972.25	
	1.00			Total this Su		\$11,108.50
						يقفقوه
Sub-Task	WY.A0	West Yost Asso	ciates			
Consultants						
	Associates, Inc.	CA CONCESS NO	-	Notes and	1444	
1/31/20	22 VVest Yo	st Associates, Inc.	Professional Ser January 1 to Jan - see attached		1,832.00	
	Total Co	nsultants	and a proposition of the second	1.0 times	1,832.00	1,832.00
Contract Amou	unt		Current	Prior	To-Date	
Total Billings Contract Amount Remaining			1,832.00	67,404.00	69,236.00 75,759.75 6,523.75	
				Total this Sul	o-Task	\$1,832.00
				Total this	s Task	\$12,940.50
Billings to Date	n l					
		Current	Prior	Total		
Labor		11,108.50	23,018.25	34,126.75		
Consultant		1,832.00	67,404.00	69,236.00		
Totals	202002	12,940.50	90,422.25	103,362.75		
Task	06.00	GDE Evaluation	8208328	9855555	620232	100000
Sub-Task	DE.00	Davids Engineer	ing, Inc.			
Contract Amou	nt	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Current	Prior	To-Date	
Total Billings Contract A Remaining	t Amount		0.00	15,532.50	15,532.50 20,532.00 4,999.50	
				Total this Sub	-Task	0.00
Sub-Task Contract Amou	WY.A0	West Yost Assoc	and the group of the state of the	Delaw	Te Dete	
Total Billing			Current	Prior	To-Date	
	t Amount		0.00	0.00	0.00 5,000.00 5,000.00	
				Total this Sub	-Task	0.00
				Total this	Task	0.00

Project	1178.03	Glenn GWA -	Colusa Subbasin (GSP Develop.	Invoice	5028
Billings to I	Date			and the second second second second		
		Current	Prior	Total		
Labor		0.00	15,532.50	15,532.50		
Totals	Second Second	0.00	15,532.50	15,532.50		
Task	07.00	Well Monitoring I	Pilot Program			55575
Sub-Task	DE.00	Davids Engineer	ing, Inc.			22222
Contract Ar	nount		Current	Prior	To-Date	
17.51	llings htract Amount naining		0.00	61,989.51	61,989.51 66,100.00 4,110.49	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to C	Date					
		Current	Prior	Total		
Labor		0.00	32,035.00	32,035.00		
Add-on		0.00	29,954.51	29,954.51		
Totals		0.00	61,989.51	61,989.51		
				Total this I	nvoice	\$21,560.50
Outstanding	Invoices			1		
	Number	Date	Balance			
	4976	12/31/2021	39,988.50			
	Total		39,988.50	A States		1.1.1.1
	V.			Total Now	Due	\$61,549.00
Billings to D	ate	Lass and Ba	S- 98 1	AL 14		
i church		Current	Prior	Total		
Labor		12,409.25	498,794.45	511,203.70		
Consulta	int	9,151.25	682,349.12	691,500.37		
Add-on		0.00	29,951.26	29,951.26		
Totals		21,560.50	1,211,094.83	1,232,655.33		
certify that th	he above invoice is	true and correct to the	best of my knowle	edge.		
		Q. LOA	0,	2010		
Authorized By	y:	Just of the	urds	Date:	02/11/2022	

Project	1178.03	Glenn GWA - Colusa S	ubbasin GS	P Develop.	Invoice	5028
Billing Davids Engin		Invoice	5028 0040	d 2/11/2022	Friday, Fel	bruary 11, 2022 4:08:13 PM
Davids Eligin	cering, me.	Invoice	5020 Date	u z/ 1 1/2022		4.00.13 PIV
Project	1178.03	Glenn Groundwat	er Authority	/ - Colusa Subba	asin GSP Develop	ment
Task	01.00	Project Management				
Professional	Personnel					
			Hours	Rate	Amount	
Associate	e Engineer I					
Klug, Katherin	Ie	1/20/2022	.75	175.00	131.25	
		funding/financing discussions				
Klug, Katherin		1/24/2022	.75	175.00	131.25	
		; DMS discussion coordination				
Klug, Katherin		1/26/2022	1.25	175.00	218.75	
	Colusa team meeting		4.00		/	
Klug, Katherin		1/28/2022	1.00	175.00	175.00	
		ancing discussion notes and o	coordinating	9		
	Project Assistant	1/7/2022	05	04.00	00 50	
Clark, Cynthia	Project support, acco	1/7/2022	.25	94.00	23.50	
Clark, Cynthia		1/10/2022	.75	94.00	70.50	
10 (E.).	Project support, acco		.75	94.00	70.50	
		1/25/2022	.25	94.00	23.50	
	Project support, acco		.20	01.00	20.00	
	Totals	5	5.00		773.75	
	Total Labor					773.75
				Total thi	o Took	\$770 7E
				i Otar tiri	SIdSK	\$773.75
Task	02.00	Stakeholder Outreach and	Coordinatio	on — — — — — — — — — — — — — — — — — — —		
 Sub-Task	CS.US	California State University,	Sacrament			
Consultants		oumonna otato omroioty,	ouoramon			
	Linivoraite Constant					
AP 8554	e University, Sacram 1/25/2022		reity Sacra	monto /	2 526 25	
AI 0004	1/20/2022	California State Univer Professional Services see attached			3,536.25	
AP 8578	1/31/2022	California State Univer Professional Services see attached	ersity, Sacra for Decem	amento / ber, 2021 -	1,580.50	
	Total Cons			1.0 times	5,116.75	5,116.75
		andino				
				Total this Sub	D-TASK	\$5,116.75
				Total this	s Task	\$5,116.75
- _	03.05	Data Management System				
 Fask 	03.05 DE.00	Data Management System Davids Engineering, Inc.				

Project	1178.03	Glenn GWA - Colus	a Subbasin GS	P Develop.	Invoice	5028
Profession	al Personnel					
			Hours	Rate	Amount	
Senior	Data Scientist					
Hall, Lindsa	ıy	1/26/2022	1.00	176.00	176.00	
	meeting with Client	on next steps				
Hall, Lindsa	ıy	1/27/2022	1.00	176.00	176.00	
	dms next steps					
Associa	ate Engineer I					
Klug, Kathe		1/26/2022	.50	175.00	87.50	
		ordination and follow-up				
Klug, Kathe		1/27/2022	.50	175.00	87.50	
		ordination and follow-up				
	Totals		3.00		527.00	
	Total Lab	or				527.00
				Total this Su	b-Task	\$527.00
						<i>+</i>
				Total thi	s Task	\$527.00
						<i>401</i> 00
- 	04.00	Funding Mechanisms				
Sub-Task	ER.A0	ERA Economics, LLC				
Consultant	S					
RA Econor	mics, LLC					
AP 8592	1/31/2022		LLC / Professi	onal	2,202.50	
		Services from Ja	nuary 1 to Janu	iary 31,		
	T-4-LO-	2022 - see attach	led	104	0 000 50	0 000 50
	Total Co	isultants		1.0 times	2,202.50	2,202.50
				Total this Sul	o-Task	\$2,202.50
				Total this	s Task	\$2,202.50
						,_,
ask	05.00	Hydrogeologic Investig	 _			
ub-Task	DE.00	Davids Engineering, Inc	с.			
rofessiona	al Personnel					
			Hours	Rate	Amount	
	l Engineer					
avids, Grar	nt	1/5/2022	2.00	220.00	440.00	
		icipate in general coordinat	tion meeting			
	Project Assistant					
avids, Krist		1/20/2022	.25	105.00	26.25	
	project support, acco	T MARK N CONTRACTOR				
avids, Krist		1/21/2022	1.00	105.00	105.00	
	project support, acco	•				
avids, Krist		1/31/2022	.25	105.00	26.25	
	project support, acco	ounting				
	te Engineer I		tai Marchar		R Martin Martin	
lug, Katheri		1/4/2022	2.50	175.00	437.50	
	upload; reviewing hy	completing Colusa GSP ele drogeologic investigation o Colusa SGMA coordination	utline; preparin			

usa SGMA coordination ewing and revising eler usa annual report/DMS usa SGMA coordination revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C paring materials for Col	ments guide; updat data inventory 1/6/2022 n meeting follow-up de; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	ing GSP upload 5.75 and action item tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 vith ERA .25	I materials; 175.00 ns; reviewing 175.00 with G. 175.00 summary 175.00 isa GSP 175.00 175.00	1,006.25 1,006.25 262.50 131.25 87.50 131.25 43.75	
ewing and revising eler usa annual report/DMS usa SGMA coordination revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	ments guide; updat data inventory 1/6/2022 n meeting follow-up de; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	ing GSP upload 5.75 and action iterr tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 rith ERA .25 cing work with E	I materials; 175.00 ns; reviewing 175.00 with G. 175.00 summary 175.00 isa GSP 175.00 175.00	1,006.25 262.50 131.25 87.50 131.25	
usa annual report/DMS usa SGMA coordinatior revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	6 data inventory 1/6/2022 n meeting follow-up de; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	5.75 e and action item tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 vith ERA .25 cing work with E	175.00 ns; reviewing 175.00 with G. 175.00 summary 175.00 isa GSP 175.00 175.00	262.50 131.25 87.50 131.25	
usa SGMA coordination revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	1/6/2022 n meeting follow-up le; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	and action item tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 rith ERA .25 cing work with E	ns; reviewing 175.00 with G. 175.00 summary 175.00 sa GSP 175.00 175.00	262.50 131.25 87.50 131.25	
revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	n meeting follow-up de; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 items follow-up; pr ssions 1/11/2022 items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	and action item tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 rith ERA .25 cing work with E	ns; reviewing 175.00 with G. 175.00 summary 175.00 sa GSP 175.00 175.00	262.50 131.25 87.50 131.25	
revising elements guid ual report coordination ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	de; WMPP coordina 1/7/2022 meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 olusa funding/finan 1/18/2022	tion 1.50 eport; follow-up .75 reparing budget .50 pordinating Colu .75 /ith ERA .25 cing work with E	175.00 with G. 175.00 summary 175.00 isa GSP 175.00 175.00	131.25 87.50 131.25	
ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	meeting; monthly r 1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	eport; follow-up .75 eparing budget .50 pordinating Colu .75 /ith ERA .25 cing work with E	with G. 175.00 summary 175.00 sa GSP 175.00 175.00	131.25 87.50 131.25	
ids chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	1/10/2022 i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	.75 eparing budget .50 bordinating Colu .75 vith ERA .25 cing work with E	175.00 summary 175.00 isa GSP 175.00 175.00	87.50 131.25	
chlist discussion action unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	50 50 bordinating Colu .75 vith ERA .25 cing work with E	summary 175.00 Isa GSP 175.00 175.00	87.50 131.25	
unding/financing discus chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	i items follow-up; pr ssions 1/11/2022 i items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 folusa funding/finan 1/18/2022	50 50 bordinating Colu .75 vith ERA .25 cing work with E	summary 175.00 Isa GSP 175.00 175.00	87.50 131.25	
chlist discussion action rences uploads ussion of Colusa fundir il to GSAs regarding C	1/11/2022 items follow-up; co 1/14/2022 ng/financing work w 1/17/2022 olusa funding/finan 1/18/2022	oordinating Colu .75 vith ERA .25 cing work with E	sa GSP 175.00 175.00	131.25	
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on Elements table	1/5/2022	3.00	81.00	243.00	
UN Elements table	1/11/2022	2 00	81.00	242.00	
rences for GSP	1/11/2022	3.00	01.00	243.00	
	1/13/2022	3 00	81.00	243.00	
rences for GSP	1110/2022	3.00	01.00	243.00	
	1/14/2022	3 50	81.00	283 50	
rences for GSP	1/17/2022	0.00	01.00	203.00	
	1/17/2022	3.00	81.00	243 00	
eferences	11112022	5.00	01.00	270.00	
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Project	1178.03	Glenn GWA - Colusa	Subbasin GS	P Develop.	Invoice	5028
Schroeder,	Cathy	1/20/2022	1.00	81.00	81.00	
	Update references					
	Totals		73.50		11,108.50	
	Total Labor					11,108.50
				Total this Su	b-Task	\$11,108.50
Sub-Task	WY.A0	West Yost Associates				
Consultant	s					
Nest Yost A	Associates, Inc.					
AP 8579	1/31/2022	West Yost Association Services from Jan 2022 - see attache	uary 1 to Janu		1,832.00	
	Total Cons	ultants		1.0 times	1,832.00	1,832.00
				Total this Sul	\$1,832.00	
				Total this	s Task	\$12,940.50
				Total this P	Project	\$21,560.50
				Total this Report		

	1947.00 1947.00	Payment Terms Due Date Total Amount Du	Net 30 02/18/2022 1e \$3,536.25
Att 177	vids Engineering n:Cynthia Clark / Accts. Payable /2 Picasso Ave, Suite A vis CA 95618-0550		
	regarding this invoice can be directed to the Description	Bursar's Office at 916.278.6 Identifier	833 Amount
Note:	RE: COLUSA GSA GSP	Identifier	Amount
Troic.	PROJECT NO. 1178-03	CSUS PO #CE2002	237
	IN ACCORDANCE WITH THE ABOVE REFER SUBMITTED FOR YOUR REVIEW AND AUTH TOTAL AMOUNT OF CONTRACT: \$ 104,540. TOTAL INVOICED TO DATE: \$ 75,399.75 AMOUNT REMAINING: \$ 29,140.40 AMOUNT PAID TO DATE: \$ 54,189.75 CURRENT INVOICE: \$ 3,536.25 PROFESSIONAL SERVICES FOR NOVEMBER (SEE ATTACHED FOR DETAILS) *** FOR QUESTIONS REGARDING THIS INV OEHNINGER AT (916) 278-6581 ***	IORIZATION FOR PAYMENT 15 2021	AS FOLLOWS:

INVOICE 1090940

Date: January 20, 2022 To: Davids Engineering Attn: Cynthia Clark, Accounts Payable 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 Teresa Oehninger From: Re: Colusa GSA GSP Project No. 1178-03 CSUS PO #CE200237 In accordance with the above referenced contract, our billing is submitted for your review and authorization for payment as follows: Total Amount of Contract \$ 104,540.15 Total Invoiced To Date \$ 75,399.75 % Billed 72.13% Amount Remaining 29,140.40 \$ % Remaining 27.87% Amount Paid to Date 54,189.75 \$ **Current Invoice** 3,536.25 \$ November 1 - 30, 2021 **Professional Services** Hours Rate Dave Ceppos, Managing Senior Mediator 9.00 @ \$ 206.00 \$ 1,854.00 Corin Choppin 16.75 @ \$ 95.00 \$ 1,591.25 Teresa Oehninger 1.00 @ \$ 91.00 \$ 91.00 **Total Professional Services:** 26.75 \$ 3,536.25 **Direct Expenses Total Direct Expenses Total Invoice** 3,536,25 Please make check payable to: California State University, Sacramento 6000 J Street, Sacramento, CA 95819-6010 Accounts Receivable - Lassen Hall 1003 Please use this revenue chartstring: 502843 TECCE 93000 Internal Reference #19-007

Davids Engineering Colusa Subbasin Groundwater Sustainability Agency Hours by Task November 1, 2021 - November 30, 2021

Tasks Deborah Hunt	Task 1 0.00	Task 2.1 0.00	Task 2.2 0.00	Task 2.3 0.00
Dave Ceppos	0.00	0.00	9.00	0.00
Corin Choppin	0.00	0.00	16.75	0.00
Teresa Oehninger	1.00	0.00	0.00	0.00
Hours per Task	1.00	0.00	25.75	0.00

Total Hours:

26.75

	Dave Ceppos	
November 2021	Work Performed	Hours Charged
	1	
	2	
	3	
4	4 2.2 Conduct Outreach and Engagement Activities	
	5	
	6	
-	7	
	8	
	9	
1	0 2.2 Conduct Outreach and Engagement Activities	1
1		
1.		1
1		
1		
1		
1		
1	7	
18	3	
19	2.2 Conduct Outreach and Engagement Activities	
20		
2:		
	2.2 Conduct Outreach and Engagement Activities	
	2.2 Conduct Outreach and Engagement Activities	
24		
25	5	
26	5	
27	7	
28	3	
	2.2 Conduct Outreach and Engagement Activities	1
30		
31		
	Total	

	Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03 Corin Choppin	_
November 2021	Work Performed	Hours Charged
1	2.2 Conduct Outreach and Engagement Activities	0.
	2.2 Conduct Outreach and Engagement Activities	1.7
	2.2 Conduct Outreach and Engagement Activities	2
	2.2 Conduct Outreach and Engagement Activities	1.7
~~~~	2.2 Conduct Outreach and Engagement Activities	0
6		
7		
8	2.2 Conduct Outreach and Engagement Activities	2
9		
10		
11		
12		
13		1
14	V.S. J. T.S. There are strong to the	
15	2.2 Conduct Outreach and Engagement Activities	1.
	2.2 Conduct Outreach and Engagement Activities	
	2.2 Conduct Outreach and Engagement Activities	3.7
18		
19		1
20		
21		-
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
	Total	16.7

	Teresa Oehninger		
November 2021	Work Performed		Hours Charged
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12	And a second		
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
	upport/Accounting-Invoicing		
31			
		Total	

ITo Da	vids Engineering	Account No. Payment Terms Due Date Total Amount Du	000007074 Net 30 03/03/2022 1e \$1,580.50
Att 177	m:Cynthia Clark / Accts. Payable 72 Picasso Ave, Suite A vis CA 95618-0550		
	regarding this invoice can be directed to the l Description	Bursar's Office at 916.278.6 Identifier	833 Amoun
Note:	RE: COLUSA GSA GSP	Includer	Alloui
THOLE	PROJECT NO. 1178-03	CSUS PO	# CE200237
	IN ACCORDANCE WITH THE ABOVE REFER. SUBMITTED FOR YOUR REVIEW AND AUTH TOTAL AMOUNT OF CONTRACT: \$ 104,540 TOTAL INVOICED TO DATE: \$ 76,980.25 AMOUNT REMAINING: \$ 27,559.90 AMOUNT PAID TO DATE: \$ 54,189.75 CURRENT INVOICE: \$ 1,580.50 PROFESSIONAL SERVICES FOR DECEMBER (SEE ATTACHED FOR DETAILS) *** FOR QUESTIONS REGARDING THIS INV OEHNINGER AT (916) 278-6581 ***	ORIZATION FOR PAYMENT 15 2021	AS FOLLOWS:
	Please return this po mount Due: \$1,580.50 nclude the following on the payment:	Payable to:	ent

#### **INVOICE 1091006**

Date: February 1, 2022 To: **Davids Engineering** Attn: Cynthia Clark, Accounts Payable 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 From: Teresa Oehninger Colusa GSA GSP Re: Project No. 1178-03 CSUS PO #CE200237 In accordance with the above referenced contract, our billing is submitted for your review and authorization for payment as follows: Total Amount of Contract 104,540.15 \$ Total Invoiced To Date \$ 76,980.25 % Billed 73.64% Amount Remaining \$ 27,559.90 % Remaining 26.36% Amount Paid to Date \$ 54,189.75 **Current Invoice** \$ 1,580.50 December 1 - 31, 2021 **Professional Services** Hours Rate Dave Ceppos, Managing Senior Mediator 7.00 @ \$ 206.00 \$ 1,442.00 0.50 @ \$ Corin Choppin 95.00 \$ 47.50 1.00 @ \$ Teresa Oehninger 91.00 91.00 \$ **Total Professional Services:** 8.50 1.580.50 \$ **Direct Expenses Total Direct Expenses** Total Invoice ¢ 1,580.50 Please make check payable to: California State University, Sacramento 6000 J Street, Sacramento, CA 95819-6010 Accounts Receivable - Lassen Hall 1003 Please use this revenue chartstring: 502843 TECCE 93000 Internal Reference #19-007

# Davids Engineering Colusa Subbasin Groundwater Sustainability Agency Hours by Task Decemer 1, 2021 - December 31, 2021

Tasks Deborah Hunt	Task 1 0,00	Task 2.1 0.00	Task 2.2 0.00	Task 2.3 0.00
Dave Ceppos	0.00	0.00	7.00	0.00
Corin Choppin	0.00	0.00	0.50	0.00
Teresa Oehninger	1.00	0.00	0.00	0.00
Hours per Task	1.00	0.00	7.50	0.00

Total Hours:

8.50

-	Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03	
_	Dave Ceppos	
December 2021	Work Performed	Hours Charged
1	2.2 Conduct Outreach and Engagement Activities	
2		
3		A
4		
5		
6		
7		
8		
	2.2 Conduct Outreach and Engagement Activities	
	2.2 Conduct Outreach and Engagement Activities	
11		
12		
13		
	2.2 Conduct Outreach and Engagement Activities	
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
	Total	

	Daily Activity Report - Colusa Subbasin GSP - Project - #1178.03 Corin Choppin	
December		Hours
2021	Work Performed	Chargeo
1		Charget
2		
	2.2 Conduct Outreach and Engagement Activities	0.
4		0.
5		
	2.2 Conduct Outreach and Engagement Activities	0.
7		0.
8		
• 9		
10		
10		
11		
12		
13		
14		
15		
10		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		1
28		
29		
30		é
31		
	Total	0.
		0.

	Teresa Oehninger	
December 2021	Work Performed	Hours Charged
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		i
26		L
27		
28		
29		
30 P	roject Support/Accounting-Invoicing	- 3
31		
	Total	

# INVOICE

From

ERA Economics, LLC 1111 Kennedy Place, Suite 4 Davis, CA 95616 530.341.3374

Invoice ID	DE20f.12	Invoice For	Davids Engineering
Issue Date	02/07/2022		1772 Picasso Avenue, Suite A
Due Date	03/09/2022 (Net 30)		Davis CA 95618
Subject	Colusa Subbasin GSP		

Description	Quantity	Unit Price	Amount
[DE20f] Colusa Subbasin GSP - 01/14/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Meeting	0.50	\$185.00	\$92.50
[DE20f] Colusa Subbasin GSP - 01/14/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Conf call with Grant re finance; review GSP files and presentations	1.00	\$225.00	\$225.00
[DE20f] Colusa Subbasin GSP - 01/23/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Develop meeting notes and outline for Colusa GSP docs and FP presentation/overview and send to Steve	0.75	\$185.00	\$138.75
[DE20f] Colusa Subbasin GSP - 01/24/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Client meeting; follow up with Steve; refine outline presentation	1.50	\$185.00	\$277.50
[DE20f] Colusa Subbasin GSP - 01/24/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Review finance presentation; conf call	1.50	\$225.00	\$337.50
[DE20f] Colusa Subbasin GSP - 01/28/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Notes for presentation; review other GSA financing and prepare notes	3.00	\$225.00	\$675.00
[DE20f] Colusa Subbasin GSP - 01/30/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Notes for presentation outline	1.00	\$225,00	\$225.00
[DE20f] Colusa Subbasin GSP - 01/31/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Memorandum re: presentation outline; incorporate Steve outline; internal edits; transmit to DE; Add GSA FP summary from to project file and develop draft ppt template/outline	1.25	\$185.00	\$231.25
		Amount Due	\$2,202.50

Notes

Colusa Subbasin Groundwater Sustainability Plan

### Davids Engineering PROJECT NUMBER: 1178.03

ERA work performed 1/1/22 - 1/31/22.

Budget Summary:

Task 4: Funding Mechanisms Review Task 4 Budget: \$39,180 This invoice: \$2,202.50 Total invoiced: \$33,912.50



Remit Payment To: 2020 Research Park Drive, Suite #100 Davis, CA 95618

	Invoice Number:	January 28, 2022 2048045
Mr. Grant Davids	Client Project:	Project No. 1178.03
Davids Engineering, Inc.	WY Project No:	277-60-20-11
1772 Picasso Avenue., Suite A	Contract Amount:	375,611.75
Davis, CA 95618	Job Name:	Colusa Subbasin GSP Preparation

## Professional Services from January 1, 2022 to January 28, 2022

				ding This Invoic	e :	362,066.37 1,832.00 363,898.37 11,713.38
Task	011	Hydrogeologic I			_	
Professiona	Personnel	Address radia :	Cherry Workson			
			Hours	Rate	Amount	
Princina	Eng/Scientist/Ge	ologist II	2.00	200 00	579.00	

Principal Eng/Scientist/Geologist II	2.00	289.00	578.00	
Associate Eng/Scientist/Geologist I	6.00	209.00	1,254.00	
Totals	8.00		1,832.00	
Total Labor				1,832.00
		Total th	is Task	\$1,832.00
		Total this I	nvoice	\$1,832.00

Project	277-60-20-11	Colusa Subbasin GSP Preparation	Invoice	2048045
Description	of Services:			
Task 1. No a	ctivity.			
Task 2. No a	ctivity.			
Task 3. No a	ctivity.			
Task 4. No a	ctivity.			
Task 5. No a	ctivity.			
Task 6. No a	ctivity.			
Task 7. No a	ctivity.			
Task 8. No a	ctivity.			
Task 9. No a	ctivity.			
Task 10. No a	activity.			
Task 11. Prej	pared final GSP for sub	pmittal. Developed outline for hydrogeologic inv	vestigation.	
Task 12. No a	activity.			
Outstanding	Invoices			

Number	Date	Balance
2047713	12/31/2021	22,054.00
Total		22,054.00

Project	277-60-20-11 Colus	a Subbasin GSP Prepa	aration	Invoice	2048045
Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Data Collection and Analysis	21,976.00	0.00	21,976.00	0.00
002	Monitoring Protocols	6,455.00	0.00	6,455.00	0.00
003	Data and Reporting Standards	9,451.00	0.00	9,451.00	0.00
004	Data Management System	5,000.00	0.00	4,999.00	1.00
005	GSP Administrative Information	21,949.00	0.00	21,949.00	0.00
006	Basin Setting	23,017.00	0.00	22,988.00	29.00
007	Sustainable Management Criteria	61,318.00	0.00	61,270.50	47.50
008	Monitoring Network	72,908.00	0.00	72,878.00	30.00
009	Projects and Management Actions	7,500.00	0.00	7,493.50	6.50
010	GSP Document Preparation and Adoption	65,278.00	0.00	65,202.37	75.63
011	Hydrogeologic Investigation	75,759.75	1,832.00	69,236.00	6,523.75
012	GDE Evaluation	5,000.00	0.00	0.00	5,000.00
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
TOTAL		375,611.75	1,832.00	363,898.37	11,713.38

Please direct questions to:

Project Manager	Kenneth Loy	10
Principal	Lindsay Smith	15

Project	277-60-20-11	Colusa Subbasin G	SP Preparation		Invoice	2048045
Billing	Backup			117	Thursday	, February 3, 2022
West Yost	Associates, Inc.	Invoi	ce 2048045 Dat	ed 1/28/2022		11:53:27 AM
Task	011	Hydrogeologic Invest	igation		77777	
Profession	al Personnel					
			Hours	Rate	Amount	
Principal Er	ng/Scientist/Geologist	t II				
25 - Loy, Ke	nneth	1/5/2022	2.00	289.00	578.00	
	Prepared revised o	utline for work plan.				
Associate E	ng/Scientist/Geologis	it l				
41 - Reimer	, Anna	1/25/2022	6.00	209.00	1,254.00	
	Finalize and review	GSP submittal.			1.1	
	Totals		8.00		1,832.00	
	Total Labo	or				1,832.00
				Total th	nis Task	\$1,832.00
				Total this	Project	\$1,832.00

Total this Report \$1,832.00

Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.04-5050 Invoice total: \$4,075.50

#### **BUDGET CATEGORY A: GRANT ADMINISTRATION**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

**BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION** 

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

## **BUDGET CATEGORY C: GSP DEVELOPMENT**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$4,075.50

## **Description of Work performed:**

- Gather Required Annual Report Data
  - o Review PMAs contact information, gather and summarize PMAs information
- Describe Groundwater Conditions and Water Budget Components
  - Review hydrographs and groundwater storage, discuss hydrographs and storage chage figures and results, obtain OpenET data for annual reporting
- Summarize progress Toward GSP Implementation
  - Summarize results of multi-benefit groundwater recharge pilot study for annual report, update PMA section of annual report outline
- Prepare Annual Report
  - o Outline annual report

## BUDGET CATEGORY D: MONITORING AND ASSESSMENT

Invoice total – Proposition 68: \$0.00

Invoice

DAVIDS ENGINEERING, INC. Tax ID#68-0346173 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 530/757-6107 - phone 530/757-6118 - fax

> March 07, 2022 Invoice No:

1178.04 - 5050

Lisa Hunter Glenn Groundwater Authority 225 N Tehama St. Willows, CA 95988

Project 1178.04 Glenn Groundwater Authority - Colusa GSP Annual Report 2022 Professional Services from February 1, 2022 to February 28, 2022

Task	01.00	Gather Required Annu	al Report Data	622222		
Sub-Task	DE.00	Davids Engineering, In	IC.			
Professional P	ersonnel					
			Hours	Rate	Amount	
Associate I	Engineer I				Consecutive	
	atherine		6.25	175.00	1,093.75	
	Project Assistant					
Clark,	Cynthia		.50	94.00	47.00	
	Totals		6.75		1,140.75	
	Total Labo	pr				1,140.75
				Total this Sub	-Task	\$1,140.75
				Total this	Task	\$1,140.75
Billings to Date						
		Current	Prior	Total		
Labor		1,140.75	552.25	1,693.00		
Totals		1,140.75	552.25	1,693.00		
Task	02.00	Describe Groundwater	Conditions and	d Water Budget C	omponents	
Sub-Task	DE.00	Davids Engineering, In	c.			
Professional P	ersonnel	Contraction of the				
			Hours	Rate	Amount	
Supervising	Engineer					
Davids,			7.00	213.00	1,491.00	
Associate E	ngineer l					
Klug, K	atherine		4.25	175.00	743.75	
	Totals		11.25		2,234.75	
	Total Labo	r				2,234.75
				Total this Sub	-Task	\$2,234.75

Serving Stewards of Western Water since 1993

the second se	1178.04	Glenn GWA -C	olusa GSP Annual	Report 2022	Invoice	5050
Billings to	Date					
Labor <b>Totals</b>		Current 2,234.75 2,234.75	Prior 303.75 <b>303.75</b>	Total 2,538.50 <b>2,538.50</b>		
Task	03.00	Summarize Progr	ess Towards GSP	Implementation		
Sub-Task	DE.00	Davids Engineerir	ng. Inc.			
Profession	al Personnel	Ū	0.			
			Hours	Rate	Amount	
	ate Engineer I					
	rter, Chris		1.00	175.00	175.00	
Klu	g, Katherine		.75	175.00	131.25	
	Totals		1.75		306.25	
	Total Labor	h.				306.25
				Total this Sub	o-Task	\$306.25
				Total this	s Task	\$306.25
Billings to D	Date					
		Current	Prior	Total		
Labor		306.25	0.00	306.25		
Totals		306.25	0.00	306.25		
Task	04.00	Prepare Annual R	- <b></b>			
Sub-Task	DE.00	Davids Engineerin	g, Inc.			
Professiona	al Personnel	0				
			Hours	Rate	Amount	
Associat	te Engineer I					
Kluç	g, Katherine		2.25	175.00	393.75	
	Totals		2.25		393.75	
	Result.		2.20			
	Total Labor		2.23			393.75
	Total Labor		2.23	Total this Sub		393.75 \$393.75
	Total Labor		2.25	Total this Sub Total this	-Task	
Billings to D			2.25		-Task	\$393.75
		Current	Prior		-Task	\$393.75
Billings to D Labor		<b>Current</b> 393.75		Total this	-Task	\$393.75
			Prior	Total this Total	-Task	\$393.75
Labor <b>Totals</b>	Pate	393.75	<b>Prior</b> 437.50	Total this Total 831.25	-Task	\$393.75
Labor <b>Totals</b>	Pate	393.75 <b>393.75</b>	Prior 437.50 437.50 Current	Total this Total 831.25 831.25 Prior	-Task Task To-Date	\$393.75
Labor <b>Totals</b> Contract Am Total Bill	Pate	393.75 <b>393.75</b>	<b>Prior</b> 437.50 <b>437.50</b>	Total this Total 831.25 831.25	-Task Task	\$393.75
Labor <b>Totals</b> Contract Am Total Bill Cont	bate nount lings	393.75 <b>393.75</b>	Prior 437.50 437.50 Current	Total this Total 831.25 831.25 Prior	-Task Task To-Date 5,369.00	\$393.75

Current	Prior	Total		
4,075.50	1,293.50	5,369.00		
4,075.50	1,293.50	5,369.00		
involoo io truo o	4,075.50 <b>4,075.50</b>	4,075.50 1,293.50 4,075.50 1,293.50	4,075.50 1,293.50 5,369.00	4,075.501,293.505,369.004,075.501,293.505,369.00

Authorized By: <u>Last G. Durch</u> Date:

03/07/2022

	1178.04	Glenn GWA -Colus	a GSP Annual	Report 2022	Invoice	5050
Billing	Backup				Monday	March 7, 2022
Davids En	gineering, Inc.	In	voice 5050 Date	ed 3/7/2022		1:45:34 PM
Project	1178.04	Glenn Ground	dwater Authorit	v - Colusa GSP	Annual Report 202	19
Task	01.00	Gather Required Ann				
				Laburati		
Sub-Task	DE.00	Davids Engineering, I	nc.			
Profession	al Personnel					
			Hours	Rate	Amount	
	ate Engineer I					
Klug, Kathe		2/1/2022	3.50	175.00	612.50	
		tact information and distr arizing PMAs information		quests;		
Klug, Kathe	erine	2/2/2022	2.75	175.00	481.25	
	gathering and summa	tact information and distr arizing PMAs information		quests;		
	ate Project Assistant	0/0/2000	44		بطاعلان	
Clark, Cynt		2/3/2022	.25	94.00	23.50	
Clark Curt	Project support, acco	TY I B GREATHAN	00	04.00	00.00	
Clark, Cynt	Project support, acco	2/4/2022	.25	94.00	23.50	
	Totals	unung	6.75		1 140 75	
	Total Labor		0.75		1,140.75	1,140.75
	Total Euro			Exercite X	2.3.1	
				Total this Su	b-Task	\$1,140.75
				Total th	is Task	\$1,140.75
ask	02.00	Describe Groundwater	Conditions and	d Water Budget	Components	
	02.00 DE.00	Describe Groundwater Davids Engineering, In		d Water Budget	Components	
Sub-Task				d Water Budget	Components	
Fask Sub-Task Profession	DE.00			Water Budget		
Sub-Task Profession	DE.00		ic.		Components	
Sub-Task Profession Superv	DE.00 al Personnel ising Engineer		ic.			
Sub-Task Profession	DE.00 al Personnel ising Engineer	Davids Engineering, In	ic. Hours .75	Rate 213.00	Amount	
Sub-Task Profession Superv Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes.	Davids Engineering, In 2/1/2022	ic. Hours .75	Rate 213.00	Amount	
Sub-Task Profession Superv	DE.00 al Personnel ising Engineer Call with K. Klug to re changes.	Davids Engineering, In 2/1/2022 view hydrographs and gr	Hours .75 oundwater stor. 1.50	Rate 213.00 age 213.00	Amount 159.75	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes. Working with West Yo	Davids Engineering, In 2/1/2022 view hydrographs and gr 2/4/2022	Hours .75 oundwater stor. 1.50	Rate 213.00 age 213.00	Amount 159.75	
Sub-Task Profession Superv Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes. Working with West Yo	2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes a 2/9/2022 . Klug, G. Davids to disc	ic. Hours .75 oundwater stor 1.50 nd hydrographs 1.25	Rate 213.00 age 213.00 213.00	Amount 159.75 319.50	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes. Working with West Yost, K	2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes a 2/9/2022 . Klug, G. Davids to disc	ic. Hours .75 oundwater stor 1.50 nd hydrographs 1.25	Rate 213.00 age 213.00 213.00	Amount 159.75 319.50	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes. Working with West You Call with West Yost, K storage change figure Call with K. Loy and A	Davids Engineering, In 2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes a 2/9/2022 . Klug, G. Davids to disc s and results.	Hours .75 oundwater stor 1.50 nd hydrographs 1.25 uss hydrograph 1.75 odology and ne	Rate 213.00 age 213.00 213.00 is and 213.00	Amount 159.75 319.50 266.25	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K. Klug to re changes. Working with West You Call with West Yost, K storage change figure Call with K. Loy and A	2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes a 2/9/2022 . Klug, G. Davids to disc s and results. 2/11/2022 . Reimer regarding meth	Hours .75 oundwater stor 1.50 nd hydrographs 1.25 uss hydrograph 1.75 odology and ne	Rate 213.00 age 213.00 213.00 is and 213.00	Amount 159.75 319.50 266.25	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K, Klug to re changes. Working with West Yos Call with West Yost, K storage change figure Call with K. Loy and A hydrograph preparatio Obtaining OpenET da	2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes at 2/9/2022 . Klug, G. Davids to disc s and results. 2/11/2022 . Reimer regarding methon n and storage change gr 2/14/2022 ta for annual reporting. C	Hours .75 oundwater stor 1.50 nd hydrographs 1.25 uss hydrograph 1.75 odology and ne aphs. 1.25 Coordination wit	Rate 213.00 age 213.00 213.00 s and 213.00 xt steps for 213.00	Amount 159.75 319.50 266.25 372.75	
Sub-Task Profession Superv Davids, Jeff Davids, Jeff Davids, Jeff	DE.00 al Personnel ising Engineer Call with K, Klug to re changes. Working with West Yost, K storage change figure Call with K. Loy and A hydrograph preparatio Obtaining OpenET da	2/1/2022 view hydrographs and gr 2/4/2022 st on storage changes at 2/9/2022 . Klug, G. Davids to disc s and results. 2/11/2022 . Reimer regarding methor n and storage change gr 2/14/2022	Hours .75 oundwater stor 1.50 nd hydrographs 1.25 uss hydrograph 1.75 odology and ne aphs. 1.25 Coordination wit	Rate 213.00 age 213.00 213.00 s and 213.00 xt steps for 213.00	Amount 159.75 319.50 266.25 372.75	

Project	1178.04	Glenn GWA -Colus	a GSP Annual	Report 2022	Invoice	5050
Associa	ate Engineer I			174577		
Klug, Kathe	rine	2/2/2022	.75	175.00	131.25	
	preparing diversion	inputs for Colusa subba	sin water budge			
Klug, Kathe		2/4/2022	2.25	175.00	393.75	
	Colusa hydrograph to discuss Colusa v	s and annual report coord water budget development	ination; meeting ; reviewing Colu	with L. Hall usa GSP data		
Klug, Kathe		2/7/2022	.25	175.00	43.75	
	Colusa hydrograph				12112	
Klug, Kather		2/9/2022	.25	175.00	43.75	
61. <del>X</del> . 617.01		discuss annual report hyd	drograph develo		11 - 11 - 1	
Klug, Kather		2/22/2022	.75	175.00	131.25	
a na <del>K</del> anta ana	coordination with N portion of the Colus	I&A on reporting GW cond a Subbasin	itions in the Gle	nn County		
	Totals		11.25		2,234.75	
	Total Lab	or	20122		2000 100	2,234.75
				Total this Su	ıb-Task	\$2,234.75
				Total th	is Task	\$2,234.75
Task	03.00	Summarize Progress	Towards GSP I	mplementation		영양관성 직원
Sub Tools						
Sub-Task	DE.00	Davids Engineering, I	nc.			
Professiona	al Personnel					
			Hours	Rate	Amount	
Associa	te Engineer I					
Harter, Chris		2/3/2022	1.00	175.00	175.00	
		. Klug. Summarizing result ge pilot study for GSP ann		lit		
Klug, Katheri	ine	2/1/2022	.50	175.00	87.50	
	updating Annual Re and proponent infor	port outline PMAs section, mation	, reviewing PMA	updates		
Klug, Katheri	ine	2/11/2022	.25	175.00	43.75	
and the second		PMAs information from pro				
	Totals		1.75		306.25	
	Total Labo	or				306.25
				Total this Su	b-Task	\$306.25
				Total thi	s Task	\$306.25
Task	04.00	Prepare Annual Repor	t			
Sub-Task	DE.00	Davids Engineering, In	ic.			
rofessiona	Personnel					
			Hours	Rate	Amount	
Associat	e Engineer I					
CARLES AND THE AVE	ne	2/1/2022	.75	175.00	131.25	
lug, Katheri					20200	
Contraction of the second second second	outlining Colusa GS	P annual report				

Project	1178.04	Glenn GWA -Colusa (	GSP Annual F	Report 2022	Invoice	5050
	outlining Colusa G	SP annual report				
Klug, Kath	erine	2/7/2022	.25	175.00	43.75	
	coordinating discu	ssion of Annual Report figures	6			
	Totals		2.25		393.75	
	Total La	oor				393.75
				Total this Sub	o-Task	\$393.75
				Total this	s Task	\$393.75
				Total this P	roject	\$4,075.50
				Total this F	Report	\$4,075.50

Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.03-5071 Invoice total: \$6,615.75

#### **BUDGET CATEGORY A: GRANT ADMINISTRATION**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

**BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION** 

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

## **BUDGET CATEGORY C: GSP DEVELOPMENT**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$5,652.00

## **Description of Work performed:**

- Project Management
  - o Project support
- Data Management System
  - Review data management system guide, coordinate data upload, review and update task outline, downloading and importing of USGS data, running QC processes
- Funding Mechanisms
  - Map out PowerPoint outline, develop presentation outline for cost allocation approaches, develop cost allocation methodologies overview, develop presentation content, cost allocation approach, GIS cost allocation outline
- Hydrogeologic Investigation
  - Obtain OpenET data for annual reporting, OpenET coordination or collecting raster ET coverage of entire subbasin, preparing and distributing shapefiles to ERA for funding/financing work

## **BUDGET CATEGORY D: MONITORING AND ASSESSMENT**

Invoice total – Proposition 68: \$963.75

#### **Description of Work performed:**

- Well Monitoring Pilot Program
  - Meeting on project expansion, update flyer, WMPP outreach

Invoice

DAVIDS ENGINEERING, INC. Tax ID#68-0346173 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 530/757-6107 - phone 530/757-6118 - fax

March 22, 2022

1178.03 - 5071

Invoice No:

Lisa Hunter Glenn Groundwater Authority 225 N Tehama St. Willows, CA 95988

Project 1178.03 Glenn Groundwater Authority - Colusa Subbasin GSP Development Professional Services from February 1, 2022 to February 28, 2022

Task 01.00 Professional Personnel	Project Manage	ment			
		Hours	Rate	Amount	
Associate Project Ass	istant				
Clark, Cynthia		.50	94.00	47.00	
Tot		,50		47.00	
Tot	al Labor				47.00
Contract Amount		Current	Prior	To-Date	
Total Billings Contract Amount Remaining		47.00	44,151.50	44,198.50 44,200.00 1.50	
			Total thi	s Task	\$47.00
Billings to Date					
	Current	Prior	Total		
Labor	47.00	44,151.50	44,198.50		
Totals	47.00	44,151.50	44,198.50		
Task 02.00	Stakeholder Out	each and Coordina	tion		
Sub-Task CS.US	California State U	University, Sacrame	nto		
Contract Amount		Current	Prior	To-Date	
Total Billings Contract Amount Remaining		0.00	76,980.25	76,980.25 104,540.15 27,559.90	
			Total this Sul	b-Task	0.00
Sub-Task DE.00	Davids Engineeri				
Contract Amount	a second as the second second second	Current	Prior	To-Date	
Total Billings Contract Amount		0.00	47,725.75	47,725.75 46,759.85	
			Total this Sut	Tack	0.00

Serving Stewards of Western Water since 1993

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5071
				Total th	nis Task	0.00
Billings to	Date					
		Current	Prior	Total		
Labor		0.00	47,725.75	47,725.75		
Consult	ant	0.00	76,980.25	76,980.25		
Totals		0.00	124,706.00	124,706.00		
Task	03.01	Data Collection a	nd Analysis			
Sub-Task	DE.00	Davids Engineeri				
Contract Ar		Davido Eliginical	Current	Prior	To-Date	
Total Bi			0.00			
	ntract Amount		0.00	3,558.75	3,558.75	
	naining				3,559.00	
Ner	nan mg			leave me his	.25	
				Total this Su	ıb-Task	0.00
Sub-Task		West Yost Assoc	·			ومرجوم
Contract An		110011001710000	Current	Prior	To-Date	
Total Bi			0.00	21,976.00	21,976.00	
	tract Amount		0.00	21,970.00	21,976.00	
001	add Amount			and the same same	and the second second	
				Total this Su	b-Task	0.00
				Total th	is Task	0.00
Billings to D	ate					
		Current	Prior	Total		
Labor		0.00	3,558.75	3,558.75		
Consulta	int	0.00	21,976.00	21,976.00		
Totals		0.00	25,534.75	25,534.75		
Fask	03.02	Integrated Hydrol	ogic Modeling			
Sub-Task	DE.00	Davids Engineerin				
Contract An		E Stree Engineerin	Current	Prior	To-Date	
Total Bill			0.00	111,913.00	111,913.00	
	tract Amount		0,00	111910.00	111,913.00	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to D	ate					
	7.57	Current	Prior	Total		
Labor		0.00	111,913.00	111,913.00		
Totals		0.00	111,913.00	111,913.00		
	والمراجع المراجع المراجع					000000
Contraction of the local data	03.03	Monitoring Protoc	ols	5. mar 6 2 1 3.		
ask						

Project	1178.03	Glenn GWA - C	Colusa Subbasin G	SP Develop.	Invoice	5071
Contract Ame	ount		Current	Prior	To-Date	
Total Billin	ngs		0.00	110.00	110.00	
Contr	act Amount				110.00	
				Total this Su	b-Task	0.00
– – – – – – Sub-Task	 WY.A0	West Yost Associ	<b>-</b>			
Contract Amo		West 1051 A55001	Current	Prior	To-Date	
Total Billir			0.00	6,455.00	6,455.00	
	act Amount		0.00	0,455.00	6,455.00	
				Total this Sul	b-Task	0.00
				Total thi	s Task	0.00
Billings to Da	te					
		Current	Prior	Total		
Labor		0.00	110.00	110.00		
Consultan	t	0.00	6,455.00	6,455.00		
Totals		0.00	6,565.00	6,565.00		<u></u>
Task	03.04	Data and Reportin	g Standards			
Sub-Task	DE.00	Davids Engineerin	g, Inc.			
				Total this Sub	o-Task	0.00
<b></b> Sub-Task	WY.A0	West Yost Associa				
Contract Amo	unt		Current	Prior	To-Date	
Total Billin	gs		0.00	9,451.00	9,451.00	
Contra	act Amount				9,451.00	
				Total this Sub	-Task	0.00
				Total this	a Task	0.00
Billings to Dat	e					
		Current	Prior	Total		
Consultant		0.00	9,451.00	9,451.00		
Totals		0.00	9,451.00	9,451.00		
ask	03.05	Data Management	System			
	DE.00	Davids Engineering	g, Inc.			
ub-Task						
	ersonnel			Dete	Annant	
Professional P			Hours	Rate	Amount	
Professional P Associate I	Engineer I					
Professional P Associate I Klug, k			Hours 4.75	175.00	831.25	
Professional P Associate I Klug, k Intern II	Engineer I Katherine		4.75	175.00	831.25	
Professional P Associate I Klug, k	Engineer I Katherine					

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5071
Contract An	nount		Current	Prior	To-Date	
Total Bi	llings		1,119.25	3,461.00	4,580.25	
(m. 1997)	ntract Amount				21,146.00	
Rer	maining				16,565.75	
				Total this Su	b-Task	\$1,119.25
Sub-Task		West Yost Assoc				réseté
Contract Ar		11001 1001 1000	Current	Prior	To-Date	
Total Bi	llings		0.00	4,999.00	4,999.00	
	tract Amount		0.00	11000.00	5,000.00	
	naining				1.00	
				Total this Sul		0.00
				Total thi	s Task	\$1,119.25
Billings to D	late					
Dininga to c	, are	Current	Prior	Total		
Labor		1,119.25	3,461.00	4,580.25		
Consulta	ant	0.00	4,999.00	4,999.00		
Totals		1,119.25	8,460.00	9,579.25		
Task	03.06					
		GSP Administrat				
Sub-Task Contract An	DE.00	Davids Engineeri	ng, Inc. Current	Prior	To-Date	
				2.2.2.2.1		
Total Bill	tract Amount		0.00	307.50	307.50 307.00	
Con				2		
				Total this Sub	o-Task	0.00
Sub-Task	WY.A0	West Yost Assoc	iates			
Contract Am			Current	Prior	To-Date	
Total Bill Con	ings tract Amount		0.00	21,949.00	21,949.00 21,949.00	
				Total this Sub		0.00
				Total this	Task	0.00
Billings to D	ate					
an air an		Current	Prior	Total		
Labor		0.00	307.50	307.50		
Consulta	nt	0.00	21,949.00	21,949.00		
Totals		0.00	22,256.50	22,256.50		
Fask	03.07	Basin Setting				
	DE.00	Davids Engineerin				

	1178.03	Glenn GWA - Colu	sa Subbasin	GSP Develop.	Invoice	5071
Contract A	mount	(	urrent	Prior	To-Date	
Total B	-		0.00	19,465.00	19,465.00	
	ntract Amount				19,468.00	
Rei	maining				3.00	
				Total this Su	ıb-Task	0.00
<b></b> _	ER.A0	ERA Economics, LLC				
Contract Ar			urrent	Prior	To-Date	
Total Bi	llings		0.00	2,455.00	2,455.00	
Cor	ntract Amount				2,455.00	
				Total this Su	b-Task	0.00
Sub-Task	WY.A0	West Yost Associates				
Contract An	nount	C	urrent	Prior	To-Date	
Total Bi	llings		0.00	22,988.00	22,988.00	
	ntract Amount				23,017.00	
Ren	naining				29.00	11 M
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to D	Date					
		Current	Prior	Total		
Labor		0.00	19,465.00	19,465.00		
	ant	0.00	25,443.00	25,443.00		
Consulta			44,908.00			
Consulta Totals		0.00	44,900.00	44,908.00		
	03.08	0.00 Sustainable Managen		44,908.00 		
Totals Task Sub-Task	DE.00		nent Criteria	44,908.00 		
Totals Task Sub-Task	DE.00	Sustainable Managen Davids Engineering, I	nent Criteria	44,908.00 		
Totals ask Sub-Task Contract An Total Bill	DE.00 nount	Sustainable Managen Davids Engineering, I	nent Criteria		52,647.20	
Totals ask Sub-Task Contract Am Total Bill Con	DE.00 nount lings tract Amount	Sustainable Managen Davids Engineering, I	nent Criteria nc. urrent		52,647.20 52,654.00	
Totals ask Sub-Task Contract Am Total Bill Con	DE.00 nount	Sustainable Managen Davids Engineering, I	nent Criteria nc. urrent		52,647.20	
Totals ask Sub-Task Contract Am Total Bill Con	DE.00 nount lings tract Amount	Sustainable Managen Davids Engineering, I	nent Criteria nc. urrent		52,647.20 52,654.00 6.80	0.00
Totals ask Sub-Task Contract Am Total Bill Con	DE.00 nount lings tract Amount	Sustainable Managen Davids Engineering, I	nent Criteria nc. urrent	Prior 52,647.20	52,647.20 52,654.00 6.80	0.00
Totals ask Sub-Task Contract Am Total Bill Con Rem	DE.00 nount lings tract Amount haining ER.A0	Sustainable Managen Davids Engineering, I Ci	nent Criteria nc. urrent	Prior 52,647.20	52,647.20 52,654.00 6.80	0.00
Totals Task Sub-Task Contract Am Total Bill Con Rem Sub-Task Contract Am Total Bill	DE.00 nount lings tract Amount naining ER.A0 nount ings	Sustainable Managen Davids Engineering, I Ci	nent Criteria nc. urrent 0.00	Prior 52,647.20 Total this Sub	52,647.20 52,654.00 6.80 <b>D-Task</b>	0.00
Totals Task Sub-Task Contract Am Total Bill Con Rem Sub-Task Contract Am Total Bill	DE.00 nount lings tract Amount naining ER.A0 nount	Sustainable Managen Davids Engineering, I Ci	nent Criteria nc. urrent 0.00	Prior 52,647.20 Total this Sut Prior	52,647.20 52,654.00 6.80 D-Task To-Date	0.00
Totals Task Sub-Task Contract Am Total Bill Con Rem Sub-Task Contract Am Total Bill	DE.00 nount lings tract Amount naining ER.A0 nount ings	Sustainable Managen Davids Engineering, I Ci	nent Criteria nc. urrent 0.00	Prior 52,647.20 Total this Sut Prior	52,647.20 52,654.00 6.80 <b>D-Task</b> <b>To-Date</b> 11,221.00 11,221.00	0.00
Totals Task Sub-Task Contract Am Total Bill Con Rem Sub-Task Contract Am Total Bill	DE.00 nount lings tract Amount haining ER.A0 nount ings tract Amount	Sustainable Managen Davids Engineering, I Cr ERA Economics, LLC Cr	nent Criteria nc. urrent 0.00	Prior 52,647.20 Total this Sut Prior 11,221.00	52,647.20 52,654.00 6.80 <b>D-Task</b> <b>To-Date</b> 11,221.00 11,221.00	
Totals Task Sub-Task Contract Am Total Bill Con Rem Sub-Task Contract Am Total Bill Cont	DE.00 nount lings tract Amount haining ER.A0 hount ings tract Amount WC.00	Sustainable Managen Davids Engineering, I Cr ERA Economics, LLC Cr	nent Criteria nc. urrent 0.00	Prior 52,647.20 Total this Sut Prior 11,221.00 Total this Sut	52,647.20 52,654.00 6.80 <b>D-Task</b> <b>To-Date</b> 11,221.00 11,221.00 <b>D-Task</b>	
Totals Gub-Task Contract Am Total Bill Con Rem Gub-Task Contract Am Total Bill Contract Am	DE.00 nount lings tract Amount naining ER.A0 nount ings tract Amount WC.00 nount	Sustainable Managen Davids Engineering, I Cr ERA Economics, LLC Cr	nent Criteria nc. urrent 0.00 urrent 0.00	Prior 52,647.20 Total this Sut Prior 11,221.00	52,647.20 52,654.00 6.80 <b>D-Task</b> <b>To-Date</b> 11,221.00 11,221.00	

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5071
				Total this Su	b-Task	0.00
Sub-Task	WY.A0	West Yost Assoc				
Contract A	mount		Current	Prior	To-Date	
Total B	illings		0.00	61,270.50	61,270.50	
Co	ntract Amount				61,318.00	
Rei	maining				47.50	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to I	Date					
		Current	Prior	Total		
Labor		0.00	52,647.20	52,647.20		
Consult	ant	0.00	227,161.00	227,161.00		
Add-on		0.00	25	25		
Totals		0.00	279,807.95	279,807.95		
Task	03.09	Monitoring Netwo	ork			
Sub-Task	DE.00	Davids Engineeri	ng, Inc.			
Contract An	nount		Current	Prior	To-Date	
Total Bil	lings		0.00	4,590.00	4,590.00	
Con	tract Amount				4,590.00	
				Total this Sub	o-Task	0.00
Sub-Task	WY.A0	West Yost Assoc	<b></b>			
Contract An	nount		Current	Prior	To-Date	
Total Bil	lings		0.00	72,878.00	72,878.00	
	tract Amount				72,908.00	
Ren	naining				30.00	
				Total this Sub	-Task	0.00
				Total this	Task	0.00
Billings to D	ate					
	ate	Current	Prior	Total		
Labor		0.00	4,590.00	4,590.00		
Labor Consulta		0.00 0.00	4,590.00 72,878.00	4,590.00 72,878.00		
Labor		0.00	4,590.00	4,590.00		
Labor Consulta		0.00 0.00	4,590.00 72,878.00 <b>77,468.00</b>	4,590.00 72,878.00		
Labor Consulta <b>Totals</b> ask Sub-Task	nt 	0.00 0.00 <b>0.00</b>	4,590.00 72,878.00 <b>77,468.00</b> agement Actions	4,590.00 72,878.00		
Labor Consulta <b>Totals</b> ask Sub-Task	nnt 03.10 DE.00 iount	0.00 0.00 0.00 Projects and Man	4,590.00 72,878.00 <b>77,468.00</b> agement Actions	4,590.00 72,878.00	— — — — — — — — — — — — — — — — — — —	
Labor Consulta <b>Totals</b> ask Sub-Task Contract Am Total Bill	nnt <u> </u>	0.00 0.00 0.00 Projects and Man	4,590.00 72,878.00 <b>77,468.00</b> agement Actions ng, Inc.	4,590.00 72,878.00 <b>77,468.00</b>	92,347.75	
Labor Consulta <b>Totals</b> ask Sub-Task Contract Am Total Bill Cont	nnt 03.10 DE.00 iount	0.00 0.00 0.00 Projects and Man	4,590.00 72,878.00 77,468.00 agement Actions ng, Inc. Current	4,590.00 72,878.00 77,468.00 		

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5071
				Total this Su	b-Task	0.00
 Sub-Task		ERA Economics,	 ис			
Contract A			Current	Prior	To-Date	
Total B	lillings		0.00	48,363.75	48,363.75	
	Intract Amount			10,000110	50,000.00	
Re	maining				1,636.25	
				Total this Su	b-Task	0.00
Sub-Task		West Yost Assoc				
Contract A		West Fost Assoc	Current	Prior	To-Date	
Total Bi			0.00	7,493.50		
	ntract Amount		0.00	7,493.50	7,493.50 7,500.00	
	maining				6.50	
			3	Tetal		
				Total this Sul	o-lask	0.00
				Total this	s Task	0.00
Billings to I	Date					
		Current	Prior	Total		
Labor		0.00	92,350.75	92,350.75		
Consult	ant	0.00	55,857.25	55,857.25		
Add-on		0.00	-3.00	-3.00		
Totals		0.00	148,205.00	148,205.00		
			,	,		
<b></b> - Task	03.11	GSP Document P				
Task Sub-Task		GSP Document P	reparation and A			
	DE.00	GSP Document P Davids Engineerir	reparation and Ad		— — — — — — — — — — — — — — — — — — —	
Sub-Task Contract An	DE.00 mount		reparation and Ad ng, Inc. Current	doption	To-Date	
Sub-Task Contract An Total Bil	DE.00 mount		reparation and Ad		39,549.00	
Sub-Task Contract An Total Bil	DE.00 nount llings		reparation and Ad ng, Inc. Current	doption	39,549.00 39,549.00	 
Sub-Task Contract An Total Bil Con	DE.00 nount llings htract Amount	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00	Prior 39,549.00	39,549.00 39,549.00	
Sub-Task Contract An Total Bil Con	DE.00 nount llings ntract Amount WY.A0		reparation and Ad ng, Inc. <b>Current</b> 0.00	Prior 39,549.00 Total this Sub	39,549.00 39,549.00 <b>p-Task</b>	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An	DE.00 nount llings ntract Amount WY.A0 nount	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub	39,549.00 39,549.00 <b>-Task</b> 	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil	DE.00 nount llings ntract Amount WY.A0 nount llings	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00	Prior 39,549.00 Total this Sub	39,549.00 39,549.00 <b>Task</b> 	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con	DE.00 nount llings htract Amount WY.A0 nount llings htract Amount	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub	39,549.00 39,549.00 <b>Task</b> <b>To-Date</b> 65,202.37 65,278.00	
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con	DE.00 nount llings ntract Amount WY.A0 nount llings	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub Prior 65,202.37	39,549.00 39,549.00 <b>p-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63	
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con	DE.00 nount llings htract Amount WY.A0 nount llings htract Amount	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub	39,549.00 39,549.00 <b>p-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con	DE.00 nount llings htract Amount WY.A0 nount llings htract Amount	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub Prior 65,202.37	39,549.00 39,549.00 <b>o-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63 <b>-Task</b>	
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con	DE.00 nount llings ntract Amount WY.A0 nount llings ntract Amount naining	Davids Engineerir	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub Prior 65,202.37 Total this Sub	39,549.00 39,549.00 <b>o-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63 <b>-Task</b>	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con Ren Billings to D	DE.00 nount llings ntract Amount WY.A0 nount llings ntract Amount naining	Davids Engineerir West Yost Associa	reparation and Ad ng, Inc. <b>Current</b> 0.00 ates <b>Current</b>	Prior 39,549.00 Total this Sub Prior 65,202.37 Total this Sub	39,549.00 39,549.00 <b>o-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63 <b>-Task</b>	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con Rem Billings to D Labor	DE.00 nount llings htract Amount WY.A0 nount lings htract Amount naining	Davids Engineerir West Yost Associa	reparation and Ad ng, Inc. Current 0.00 ates Current 0.00	Prior 39,549.00 Total this Sub Prior 65,202.37 Total this Sub Total this Sub	39,549.00 39,549.00 <b>o-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63 <b>-Task</b>	0.00
Sub-Task Contract An Total Bil Con Sub-Task Contract An Total Bil Con Ren Billings to D	DE.00 nount llings htract Amount WY.A0 nount lings htract Amount naining	Davids Engineerir West Yost Associa	reparation and Ad ng, Inc. Current 0.00 ates Current 0.00 Prior	Prior 39,549.00 Total this Sub Prior 65,202.37 Total this Sub Total this	39,549.00 39,549.00 <b>o-Task</b> <b>To-Date</b> 65,202.37 65,278.00 75.63 <b>-Task</b>	0.00

Project	1178.03	Glenn GWA -	- Colusa Subbasin C	SP Develop.	Invoice	5071
Task	04.00	Funding Mecha				
Sub-Task	DE.00	Davids Enginee	ering, Inc.			
Contract A	mount		Current	Prior	To-Date	
Total B	-		0.00	9,680.00	9,680.00	
Co	ontract Amount				9,680.00	
				Total this Su	ıb-Task	0.00
Sub-Task	ER.A0	ERA Economics	s, LLC			
Consultant						
	conomics, LLC					
2/28	3/2022 ERA Eco	nomics, LLC	Professional Sen February 1 to Fel 2022 - see attach	oruary 28,	2,766.25	
	Total Co	nsultants		1.0 times	2,766.25	2,766.25
Contract A	mount		Current	Prior	To-Date	
Total B	illings		2,766.25	33,912.50	36,678.75	
Co	ntract Amount				40,000.00	
Re	maining				3,321.25	
				Total this Su	b-Task	\$2,766.25
				Total thi	s Task	\$2,766.25
						<i>4_1</i>
Billings to I	Date					
		Current	Prior	Total		
Labor		0.00	9,680.00	9,680.00		
Consult Totals	ant	2,766.25	33,912.50	36,678.75		
		2,766.25	43,592.50	46,358.75		
Task	05.00	Hydrogeologic Ir	vestigation			
Sub-Task	DE.00	Davids Engineer	ing, Inc.			
	al Personnel					
Professiona						
			Hours	Rate	Amount	
Senior F	Project Assistant					
Dav	Project Assistant vids, Kristi		Hours 1.00	<b>Rate</b> 105.00	<b>Amount</b> 105.00	
Senior F Dav Supervis	Project Assistant /ids, Kristi sing Engineer		1.00	105.00	105.00	
Senior F Dav Supervis Dav	Project Assistant /ids, Kristi sing Engineer /ids, Jeff					
Senior F Dav Supervis Dav Associa	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I		1.00 3.00	105.00 213.00	105.00 639.00	
Senior F Dav Supervis Dav Associa Klug	Project Assistant /ids, Kristi sing Engineer /ids, Jeff		1.00	105.00	105.00	
Senior F Dav Supervis Dav Associa Klug Associa	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia		1.00 3.00	105.00 213.00	105.00 639.00	
Senior F Dav Supervis Dav Associa Klug Associa	Project Assistant <i>i</i> ids, Kristi sing Engineer <i>i</i> ids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia Totals		1.00 3.00 4.50	105.00 213.00 175.00	105.00 639.00 787.50	
Senior F Dav Supervis Dav Associa Klug Associa	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia	ər	1.00 3.00 4.50 2.00	105.00 213.00 175.00	105.00 639.00 787.50 188.00	1,719.50
Senior F Dav Supervis Dav Associa Klug Associa	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia Totals Total Labo	ər	1.00 3.00 4.50 2.00	105.00 213.00 175.00	105.00 639.00 787.50 188.00	1,719.50
Senior F Dav Supervis Dav Associa Klug Associa Clar	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia Totals Total Labo nount	זכ	1.00 3.00 4.50 2.00 10.50	105.00 213.00 175.00 94.00	105.00 639.00 787.50 188.00 1,719.50	1,719.50
Senior F Dav Supervis Dav Associa Klug Associa Clar Contract An Total Bil Con	Project Assistant vids, Kristi sing Engineer vids, Jeff te Engineer I g, Katherine te Project Assistant rk, Cynthia Totals Total Labo nount	Dr	1.00 3.00 4.50 2.00 10.50 Current	105.00 213.00 175.00 94.00 <b>Prior</b>	105.00 639.00 787.50 188.00 1,719.50 <b>To-Date</b>	1,719.50

WY.A0 ount ngs ract Amount aining	West Yost Assoc		Total this Sul	b-Task <b>To-Date</b> 69,236.00 75,759.75	\$1,719.50 
ount ngs ract Amount	West Yost Assoc	Current	69,236.00	69,236.00	
ount ngs ract Amount		Current	69,236.00	69,236.00	
ract Amount			69,236.00	69,236.00	
ract Amount		0.00			
aining				2	
				6,523.75	
			Total this Sub	o-Task	0.00
			Total this	s Task	\$1,719.50
te					
	Current	Prior	Total		
	1,719.50	34,126.75	35,846.25		
ıt	0.00	69,236.00	69,236.00		
	1,719.50	103,362.75	105,082.25		
06.00	GDE Evaluation				
DE.00	Davids Engineerii	— — — — — — — — ng, Inc.			
ount		Current	Prior	To-Date	
igs		0.00	15,532.50	15,532.50	
				20,532.00	
ining				4,999.50	
			Total this Sub	-Task	0.00
WY.A0	West Yost Associ	<b></b>			
unt		Current	Prior	To-Date	
gs		0.00	0.00	0.00	
act Amount				5,000.00	
ining				5,000.00	
			Total this Sub	-Task	0.00
			Total this	Task	0.00
e					
	Current	Prior	Total		
	0.00	15,532.50 	15,532.50 — — — — — — —		
07.00	Well Monitoring Pi	lot Program			
DE.00	Davids Engineerin	g, Inc.			
Personnel					
<b>F</b> acala a sa 11		Hours	Rate	Amount	
		4.00	196.00	106 00	
		1.00	100.00	100.00	
		3.75	175.00	656.25	
	DE.00 punt ngs act Amount ining WY.A0 punt ngs act Amount ining te	t 0.00 1,719.50 06.00 GDE Evaluation DE.00 Davids Engineerin ount act Amount ining WY.A0 West Yost Associ ount ags act Amount ining te Current 0.00 0.00 0.00 0.00 0.00 0.00 Engineer II ader, Nadya Engineer I	te 0.00 69,236.00 1,719.50 103,362.75 06.00 GDE Evaluation DE.00 Davids Engineering, Inc. Dunt Current Igs 0.00 act Amount tining 0.00 WY.A0 West Yost Associates ount Current Igs 0.00 act Amount ining 0.00 15,532.50 0.00 15,532.50 0.00 15,532.50 DE.00 Davids Engineering, Inc. Personnel Hours Engineer II ader, Nadya 1.00 Engineer I	nt         0.00         69,236.00         69,236.00           1,719.50         103,362.75         105,082.25           06.00         GDE Evaluation         DE.00         Davids Engineering, Inc.           punt         Current         Prior           ngs         0.00         15,532.50           act Amount         Total this Sub           WY.A0         West Yost Associates           wurt         Current         Prior           ngs         0.00         0.00           act Amount         0.00         0.00           ining         Total this Sub           WY.A0         West Yost Associates         Prior           ngs         0.00         0.00           act Amount         0.00         0.00           ining         Total this Sub         Total this Sub           Ining         Total this Sub         Total this           Ining         0.00         15,532.50         15,532.50           07.00         Well Monitoring Pilot Program         DE.00         Davids Engineering, Inc.           Personnel         Hours         Rate           Engineer II         1.00         186.00           Engineer I         1.00	tt 0.00 69,236.00 69,236.00 1,719.50 103,362.75 105,082.25 06.00 GDE Evaluation DE.00 Davids Engineering, Inc. bunt Current Prior To-Date 195 0.00 15,532.50 15,532.50 act Amount 20,532.00 ining 4,999.50 Total this Sub-Task WY.A0 West Yost Associates bunt Current Prior To-Date 195 0.00 0.00 0.00 0.00 act Amount 5,000.00 act Amount 5,000.00 Total this Sub-Task WY.A0 West Yost Associates bunt Current Prior To-Date 195 0.00 10,00 15,532.50 Total this Sub-Task Total this Sub-Task te Current Prior Total 0.00 15,532.50 15,532.50 0.00 15,532.50 15,532.50 15,532.50 0.0

Project	1178.03	Glenn GWA -	Colusa Subbasin G	GSP Develop.	Invoice	5071
Staff P	roject Assistant					
Sc	hroeder, Cathy		1.50	81.00	121.50	
	Totals		6.25		963.75	
	Total Labor					963.75
Contract A	mount		Current	Prior	To-Date	
Total B	illings		963.75	61,989.51	62,953.26	
Co	ntract Amount				66,100.00	
Re	maining				3,146.74	
				Total this Su	b-Task	\$963.75
				Total thi	s Task	\$963.75
Billings to I	Date					
		Current	Prior	Total		
Labor		963.75	32,035.00	32,998.75		
Add-on		0.00	29,954.51	29,954.51		
Totals		963.75	61,989.51	62,953.26		
				Total this li	nvoice	\$6,615.75
Outstanding	g Invoices					
	Number	Date	Balance			
	5028	2/11/2022	21,560.50			
	Total		21,560,50	a	2.0	And the second
				Total Now	Due	\$28,176.25
Billings to D	Date					
		Current	Prior	Total		
Labor		3,849.50	511,203.70	515,053.20		
Consult	ant	2,766.25	691,500.37	694,266.62		
Add-on		0.00	29,951.26	29,951.26		
Totals		6,615.75	1,232,655.33	1,239,271.08		
certify that t	the above involce is true a	2 0 2		dge.		
Authorized E		last GD	rurds	Bala	00/00/00/00	
Authorized E	y. /	100	· · · · · · · · · · · · · · · · · · ·	Date:	03/22/2022	

Project	1178.03	Glenn GWA - C	Colusa Subbasin GS	P Develop.	Invoice	5071
Billina	Backup				- vebeeuT	March 22, 2022
Davids Engin			Invoice 5071 Date	d 3/22/2022	racoudy, i	4:07:05 PM
_ arias Erigin						TN
Project	1178.03	Glenn Gr	oundwater Authority	/ - Colusa Subb	asin GSP Develop	ment
Task	01.00	Project Managem	ient			
Professional	Personnel					
			Hours	Rate	Amount	
Associate	e Project Assistant					
Clark, Cynthia		2/3/2022	.25	94.00	23.50	
	Project support, acc			0.1.05	<b>a</b> c <b></b>	
Clark, Cynthia		2/9/2022	.25	94.00	23.50	
	Project support, acc Totals	Jounung	.50		47.00	
	Total Lab	or	.00		47.00	47,00
						41150
				Total #	nis Task	\$47.00
						941.00
Task	03.05	Data Managemen	t System			
Sub-Task	DE.00	Davids Engineerir	ng, Inc.			
Professional	Personnel					
			Hours	Rate	Amount	
	Engineer I					
Klug, Katherin		2/2/2022	1.50	175.00	262.50	
		MS guide, coordinating				
Klug, Katherin		2/3/2022 J. Otto with DMS uplo	1.25	175.00	218.75	
ہ Klug, Katherin		2/7/2022	ads and DMS open 1.50	ation 175.00	262.50	
		ting DMS task outline,			202.00	
Klug, Katherin		2/14/2022	.25	175.00	43.75	
	QC review of DMS u	uploads				
Klug, Katherin		2/23/2022	.25	175.00	43.75	
	MS task followup					
Intern II		010/0000	4.65	70.00		
Otto, Joshua	Coordination mostin	2/3/2022 g with K. Klug on impo	1.25	72.00 a data	90.00	
	nrough DMS		orang and processin	y uala		
Otto, Joshua	-	2/7/2022	2.75	72.00	198.00	
C		porting of USGS data	CED CA SUSAN	ses	2 il biel econo	
	Totals		8.75		1,119.25	
	Total Labo	)r				1,119.25
				Total this Su	b-Task	\$1,119.25
				Total th	is Task	\$1,119.25
Task	04.00	Funding Mechanis	ms			

Project	1178.03	Glenn GWA - Colusa	Subbasin GS	SP Develop,	Invoice	5071
Consultant	S					
ERA Econo	mics, LLC					
AP 8625	2/28/20	Services from Feb	ruary 1 to Fe		2,766.25	
	Total C	2022 - see attach onsultants	ed	1.0 times	2,766.25	2,766.25
				Total this Sub	-Task	\$2,766.25
				Total this	Tack	\$2,766.25
				i otai tilis	Task	\$2,700,25
Task	05.00	Hydrogeologic Investiga	tion			
Sub-Task	DE.00	Davids Engineering, Inc				
	al Personnel	burido Engineering, me				
FIDIessiona	a reisonnei		A		And best	
	La Maria and Andrea		Hours	Rate	Amount	
	Project Assistant	0/0/0000				
Davids, Krist		2/2/2022	.25	105.00	26.25	
Davida Kilai	project support, ac		95	105 00	00.05	
Davids, Krist		2/7/2022	.25	105.00	26.25	
Davids, Krist	project support, ac	2/9/2022	05	105.00	00.05	
Davius, Krist	project support, ac		.25	105.00	26.25	
Davids, Krist		2/22/2022	.25	105.00	00.05	
Davius, Mist	project support, ac		.20	105.00	26.25	
Supervis	sing Engineer	counting				
Davids, Jeff	ang Engineer	2/14/2022	.75	213.00	159.75	
Davido, dell	Obtaining OpenET	data for annual reporting.		213.00	105.75	
Davids, Jeff	opener	2/15/2022	1.25	213.00	266.25	
	Working with IrriWa	atch to get monthly IrriTracker	2170.0		200.20	
	between GSP and	GSP annual reports				
Davids, Jeff		2/16/2022	.75	213.00	159.75	
	<b>Obtaining OpenET</b>	data for annual reporting.				
Davids, Jeff		2/24/2022	.25	213.00	53.25	
Associat	OpenET coordination te Engineer I	on for collecting raster ET cov	verage of enti	re subbasin.		
Klug, Katheri	a server and the server of the	2/2/2022	.75	175.00	131.25	
raug, namen		plan presentation outline		175.00	131.20	
Klug, Katheri		2/8/2022	.25	175.00	43.75	
and granded and a		rdinating WY meeting			40.10	
Klug, Katheri	The second s	2/10/2022	.75	175.00	131.25	
		t meeting coordination; project			12.120	
Klug, Katheri		2/11/2022	.50	175.00	87.50	
		ort updates; funding/financing			1000	
Klug, Katheri	Second second States and Ended seconds	2/14/2022	.25	175.00	43.75	
NE KOM	funding/financing di	scussion coordination				
Klug, Katheri	T (T	2/18/2022	1.00	175.00	175.00	
	project status updat	e, reviewing and revising gra	nt progress r			
klug, Katherin		2/22/2022	.50	175.00	87.50	
	coordination with M portion of the Colus	&A on reporting GW condition a Subbasin	ns in the Gler	in County		
dug, Katherin		2/28/2022	.50	175.00	87.50	
a set a set of the set		buting shapefiles to ERA for f			121022	

Project	1178.03	Glenn GWA - Colusa	Subbasin GS	SP Develop.	Invoice	5071
Associa	te Project Assistant		1	1000 A 100		
Clark, Cynth		2/4/2022	.50	94.00	47.00	
	Project support, ad	counting				
Clark, Cynth	ia	2/10/2022	.25	94.00	23.50	
	Project support, ad	counting				
Clark, Cynth	ia	2/11/2022	.25	94.00	23.50	
	Project support, ac	counting				
Clark, Cynth	ia	2/23/2022	.50	94.00	47.00	
	Project support, ac	counting				
Clark, Cynth	ia	2/28/2022	.50	94.00	47.00	
	Project support, ac	counting				
	Totals		10.50		1,719.50	
	Total Lab	or				1,719.50
				Total this Su	h-Task	\$1,719.50
				iotal tills Su	D-I dok	\$1,1 19.50
				Total thi	s Task	\$1,719.50
	ب با بر بر بر بر بر		دعكري	ومولولاته	وحيوهم	
Task	07.00	Well Monitoring Pilot Pro	ogram			
Sub-Task	DE.00	Davids Engineering, Inc				
Professiona		Barriss Engineering, me				
rolessiona	rersonner		62-10-0	12.5		
			Hours	Rate	Amount	
	e Engineer II		9.66	444	544 44	
Alexander, N	· · · · · · · · · · · · · · · · · · ·	2/15/2022	1.00	186.00	186.00	
	Meeting on project	expansion				
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	e Engineer I	2121222		100 000	1202	
Rug, Katheri		2/8/2022	.25	175.00	43.75	
the second second second second	WMPP expansion p		1.63		10.44	
Gug, Katherin		2/10/2022	.25	175.00	43.75	
	WMPP expansion p					
(lug, Katherin		2/14/2022	.75	175.00	131.25	
	Constraints and the standard sector of the sector	tes, meeting coordination		14.122	1000	
Klug, Katherin		2/15/2022	1.75	175.00	306.25	
		lanning meeting; follow-up o		10.1.1	25.00	
Klug, Katherin	a second and the second s	2/17/2022	.50	175.00	87.50	
(1) T. (1) (1) (1) (1)	updating WMPP ex				Ness	
Gug, Katherin		2/24/2022	.25	175.00	43.75	
	coordinating WMPP	outreach				
and the second	ect Assistant		444			
Schroeder, Ca		2/16/2022	1.00	81.00	81.00	
	Edit text in Well Moi pdf	nitoring Pilot Program docum	ent and prepa	are a fillable		
Schroeder, Ca		2/17/2022	.50	81.00	40.50	
	Edit text in Well Mor	nitoring Pilot Program docum	ent	- C 22		
	Totals		6.25		963.75	
	Total Labo	Dr				963.75
				Total this Sub	Tack	
				Total this out	-Idsk	\$963.75

Project	1178.03	Glenn GWA - Colusa Subbasin GSP Develop.	Invoice	5071
		Total this I	Project	\$6,615.75
		Total this	Report	\$6,615.75

# INVOICE

From

ERA Economics, LLC

1111 Kennedy Place, Suite 4 Davis, CA 95616 530.341.3374

Invoice ID	DE20f.13	Invoice For	Davids Engineering
Issue Date	03/02/2022		1772 Picasso Avenue, Suite A
Due Date	04/01/2022 (Net 30)		Davis CA 95618
Subject	Colusa Subbasin GSP		

Description	Quantity	Unit Price	Amount
[DE20f] Colusa Subbasin GSP - 02/15/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Misc Coordination and follow up re: presentation materials and topics	0.75	\$185.00	\$138.75
[DE20f] Colusa Subbasin GSP - 02/22/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Review GSP	1.00	\$225.00	\$225.00
[DE20f] Colusa Subbasin GSP - 02/23/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Presentation slides; call to discuss	1.50	\$225.00	\$337.50
[DE20f] Colusa Subbasin GSP - 02/23/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Internal meeting. Map out ppt outline; develop data requests for DE; develop internal requests for GSP review and data analysis	1.25	\$185.00	\$231.25
[DE20f] Colusa Subbasin GSP - 02/24/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Review GSP, funding needs, PMAs; develop presentation outline for cost allocation approaches; prepare data request for DE re: basin land use and GIS data; develop cost allocation methodologies overview	2.25	\$185.00	\$416.25
[DE20f] Colusa Subbasin GSP - 02/25/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Inventory existing GSA fee studies, prepare workbook for Eugene/internal meeting. Work on ppt sildes flow chart for finance plan development and rate study	1.00	\$185.00	\$185.00
[DE20f] Colusa Subbasin GSP - 02/27/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Review GIS data and inventory; develop workplan notes for rate options for Brooks	1.00	\$185.00	\$185.00
[DE20f] Colusa Subbasin GSP - 02/28/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Develop presentation content, cost allocation approach; GIS data cost allocation outline for Brooks; internal meetings and follow up on options/analysis	2.50	\$185.00	\$462.50
[DE20f] Colusa Subbasin GSP - 02/28/2022 - Task 4: Funding Mechanisms Review / Brooks Ronsples: - Meeting for GIS analysis and map layers	1.00	\$135.00	\$135.00

		Amount Due	\$2,766.25
[DE20f] Colusa Subbasin GSP - 02/28/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Workshop presentation	2.00	\$225.00	\$450.00

Notes

Colusa Subbasin Groundwater Sustainability Plan Davids Engineering PROJECT NUMBER: 1178.03

ERA work performed 2/1/22 - 2/28/22.

Budget Summary:

Task 4: Funding Mechanisms Review This invoice: \$2,766.25 Total invoiced: \$36,678.75 Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.04-5122 Invoice total: \$42,728.50

#### **BUDGET CATEGORY A: GRANT ADMINISTRATION**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

**BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION** 

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

## **BUDGET CATEGORY C: GSP DEVELOPMENT**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$42,728.50

#### **Description of Work performed:**

- Gather Required Annual Report Data
  - Download farm gate deliveries data, download precipitation data, download water supply/delivery data
- Describe Groundwater Conditions and Water Budget Components
  - Discuss groundwater hydrograph changes, input perforation data into code format, OpenET analysis, work on hydrographs of groundwater wells, annual report water budget development, Joint TAC presentation development and updates, prepare water supply updates for annual report
- Summarize Progress Towards GSP Implementation
  - Annual report documentation updates, participated in Joint TAC meeting, finalized content for annual report presentation, prepared updates to PMAs, reviewed and checked water budget numbers, reviewed consistency with annual report tales/figures, responded to comments
- Prepare Annual Report

• Annual Report review, annual report PowerPoint review, documentation updates, distributed draft report, participated in CGA meeting, prepare DWR SGMA portal uploads

#### **BUDGET CATEGORY D: MONITORING AND ASSESSMENT**

Invoice total – Proposition 68: \$0.00

Invoice

DAVIDS ENGINEERING, INC. Tax ID#68-0346173 1772 Picasso Avenue, Suite A Davis, CA 95618-0550 530/757-6107 - phone 530/757-6118 - fax

> April 12, 2022 Invoice No:

1178.04 - 5122

Lisa Hunter Glenn Groundwater Authority 225 N Tehama St. Willows, CA 95988

Project 1178.04 Glenn Groundwater Authority - Colusa GSP Annual Report 2022 <u>Professional Services from March 1, 2022 to March 31, 2022</u>

Task	01.00	Gather Required A	nnual Report Data	1		122323
Sub-Task	DE.00	Davids Engineerin	g, Inc.			
Professional F	Personnel	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- CO2			
			Hours	Rate	Amount	
Associate	Engineer I		11 574 3	21.244	S. Marsharke	
Klug, ł	Katherine		4.50	175.00	787.50	
	Project Assistant					
Clark,	Cynthia		.50	94.00	47.00	
	Totals		5.00		834.50	
	Total Lab	or				834.50
				Total this Sul	o-Task	\$834.50
				Total this	s Task	\$834.50
Billings to Date	e					
		Current	Prior	Total		
Labor		834.50	1,693.00	2,527.50		
Totals		834.50	1,693.00	2,527.50		
Task	02.00	Describe Groundwa	ater Conditions an	d Water Budget C	Components	222222
Sub-Task	DE.00	Davids Engineering	, Inc.			
Professional P	ersonnel	a sector sector de la s				
			Hours	Rate	Amount	
Assistant E	ngineer II					
Boettne	er, Isabelle		31.00	129.00	3,999.00	
Supervising						
Davids			14.00	213.00	2,982.00	
Associate E						
Klug, K	atherine		19.75	175.00	3,456.25	
	Totals		64.75		10,437.25	No. States
	Total Lab	or				10,437.25
				Total this Sub	Test	\$10,437.25

Serving Stewards of Western Water since 1993

Project	1178.04	Glenn GWA -	Colusa GSP Annual	Report 2022	Invoice	5122
Sub-Task Consultants	WY.A0	West Yost Asso	ciates			
	Associates, In					
3/30/20	22 West Y	ost Associates, Inc.	Professional Servi January 29 to Feb 2022 - see attache	ruary 25,	7,530.50	
3/31/20	22 West Y	ost Associates, Inc.	Professional Servi February 26 to Ma - see attached		15,393.50	
	Total C	Consultants		1.0 times	22,924.00	22,924.00
				Total this Sul	o-Task	\$22,924.00
				Total this	s Task	\$33,361.25
Billings to Date	e					
		Current	Prior	Total		
Labor		10,437.25	2,538.50	12,975.75		
Consultant		22,924.00	0.00	22,924.00		
Totals		33,361.25	2,538.50	35,899.75		
ask	03.00	Summarize Prog	ress Towards GSP I	mplementation		
Sub-Task P <b>rofessional P</b> e	DE.00 ersonnel	Davids Engineer	ing, Inc.			
Senior Proj	ect Assistant		Hours	Rate	Amount	
			.25	105.00	26.25	
Davids,	, Kristi		.25	105.00	26.25	
Davids, Associate E	, Kristi Engineer I		.25 18.25	105.00 175.00		
Davids, Associate E	, Kristi				3,193.75	
Davids, Associate E	, Kristi Engineer I atherine	abor	18.25			3,220.00
Davids, Associate E	, Kristi Engineer I atherine Totals	abor	18.25		3,193.75 3,220.00	3,220.00 \$3,220.00
Davids, Associate E	, Kristi Engineer I atherine Totals	abor	18.25	175.00	3,193.75 3,220.00 -Task	
Davids, Associate E	, Kristi Engineer I atherine Totals <b>Total L</b> a	abor	18.25	175.00 Total this Sub	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K	, Kristi Engineer I atherine Totals <b>Total L</b> a	abor Current	18.25	175.00 Total this Sub	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K	, Kristi Engineer I atherine Totals <b>Total L</b> a		18.25 18.50	175.00 Total this Sub Total this	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date	, Kristi Engineer I atherine Totals <b>Total L</b> a	Current	18.25 18.50 <b>Prior</b>	175.00 Total this Sub Total this Total	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals	, Kristi Engineer I atherine Totals <b>Total L</b> a	Current 3,220.00 <b>3,220.00</b>	18.25 18.50 <b>Prior</b> 306.25 <b>306.25</b>	175.00 Total this Sub Total this Total 3,526.25	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals	, Kristi Engineer I atherine Totals <b>Total L</b> a	Current 3,220.00 <b>3,220.00</b> Prepare Annual F	18.25 18.50 Prior 306.25 <b>306.25</b> Report	175.00 Total this Sub Total this Total 3,526.25	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals	, Kristi Engineer I atherine Totals <b>Total L</b> a <u>04.00</u>	Current 3,220.00 <b>3,220.00</b>	18.25 18.50 Prior 306.25 <b>306.25</b> Report	175.00 Total this Sub Total this Total 3,526.25	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals	, Kristi Engineer I atherine Totals <b>Total L</b> a <u>04.00</u>	Current 3,220.00 <b>3,220.00</b> Prepare Annual F	18.25 18.50 Prior 306.25 306.25 Report ng, Inc.	175.00 Total this Sub Total this 3,526.25 3,526.25	3,193.75 3,220.00 -Task Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals 	, Kristi Engineer I atherine Totals <b>Total L</b> a 04.00 DE.00 ersonnel	Current 3,220.00 <b>3,220.00</b> Prepare Annual F	18.25 18.50 Prior 306.25 <b>306.25</b> Report	175.00 Total this Sub Total this Total 3,526.25	3,193.75 3,220.00 -Task	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals  ask  ub-Task rofessional Pe Principal En	, Kristi Engineer I atherine Totals <b>Total L</b> a <u>04.00</u> DE.00 ersonnel gineer	Current 3,220.00 <b>3,220.00</b> Prepare Annual F	18.25 18.50 Prior 306.25 306.25 Report ng, Inc. Hours	175.00 Total this Sub Total this 3,526.25 3,526.25 3,526.25 Rate	3,193.75 3,220.00 Task Task 	\$3,220.00
Davids, Associate E Klug, K illings to Date Labor Totals ask ub-Task rofessional Pe	, Kristi Engineer I atherine Totals <b>Total L</b> a <u>04.00</u> DE.00 ersonnel gineer Grant	Current 3,220.00 <b>3,220.00</b> Prepare Annual F	18.25 18.50 Prior 306.25 306.25 Report ng, Inc.	175.00 Total this Sub Total this 3,526.25 3,526.25	3,193.75 3,220.00 -Task Task	\$3,220.00

Project	1178.04	Glenn GWA -	Colusa GSP Annual	Report 2022	Invoice	5122
	ate Engineer I			and states		
Kl	ug, Katherine		22.50	175.00	3,937.50	
	Totals		28.50		5,312.75	
	Total Lab	or				5,312.75
				Total this Sul	b-Task	\$5,312.75
				Total thi	s Task	\$5,312.75
Billings to	Date					
		Current	Prior	Total		
Labor		5,312.75	831.25	6,144.00		
Totals		5,312.75	831.25	6,144.00		
Contract A	mount		Current	Prior	To-Date	
	illings ntract Amount maining		42,728.50	5,369.00	48,097.50 50,000.00 1,902.50	
				Total this Ir	nvoice	\$42,728.50
Billings to I	Date					
		Current	Prior	Total		
Labor		19,804.50	5,369.00	25,173.50		
Consult	tant	22,924.00	0.00	22,924.00		
Totals		42,728.50	5,369.00	48,097.50		
certify that	the above invoice is t	rue and correct to th	e best of my knowled	lge.		
Authorized I	Ву:	Grant GL	Jurch	Date:	04/12/2022	

Project	1178.04	Glenn GWA -Colusa	GSP Annual	Report 2022	Invoice	5122
Billing	Backup				Tuesday	, April 12, 2022
	neering, Inc.	Invo	ice 5122 Date	d 4/12/2022	, ucosaj	4:46:27 PM
Project	1178.04	Glenn Ground	water Authorit	v - Colusa GSP	Annual Report 202	22
Task	01.00	Gather Required Annu	al Report Data	Lasaaa		
Sub-Task	DE.00	Davids Engineering, In	с.			
Professiona	I Personnel					
			Hours	Rate	Amount	
Associa	te Engineer I		nours	Tutte	Fillount	
Klug, Kather		3/4/2022	2.00	175.00	350.00	
	downloading and precipitation data	QCing farm gate deliveries d	ata; download	ing		
Klug, Kather		3/5/2022	.50	175.00	87.50	
	downloading and precipitation data	QCing farm gate deliveries d	ata; downloadi	ing		
Klug, Katheri		3/10/2022	2.00	175.00	350.00	
		r supply/delivery data				
	e Project Assistant		5.6	02.00	20.54	
Clark, Cynthi		3/2/2022	.25	94.00	23.50	
Olark Curth	Project support/Ac		-	01.00		
Clark, Cynthi	a Project support/Ac	3/7/2022	.25	94.00	23.50	
	Totals	counting	5.00		834.50	
	Total La	hor	5,00		034,50	834.50
	i otal ca	501		Caller States		034.50
				Total this Su	b-Task	\$834.50
				Total thi	s Task	\$834.50
				ولاحد حادا	10000000	ويتركب سارك
Task	02.00	Describe Groundwater	Conditions and	d Water Budget	Components	
Sub-Task	DE.00	Davids Engineering, Inc				
Professional	Personnel	A CONTRACT OF A CONTRACT				
177.50 (397.60)			Hours	Rate	Amount	
Assistan	Engineer II		noura	Hele	Allount	
Boettner, Isal		3/3/2022	1.50	129.00	193.50	
	Discussed groundy perforation data int	water hydrograph changes wi to code format, and add in ad	th J. Davids, I	nput		
Boettner, Isat	shapefile of RMS v	3/4/2022	4.25	129.00	549 25	
		5/4/2022 analysis with J. Davids and	and the second		548.25	
	analysis.					
Boettner, Isat		3/6/2022	1.50	129.00	193.50	
	Worked on OpenE	· · · · · · · · · · · · · · · · · · ·	العالعالي	0.4.4.4.4	2,212,212,121	
Boettner, Isat		3/7/2022	6.25	129.00	806.25	
		or OpenET data for area of in the changes suggested by J. I		results with		
Boettner, Isat	the second of the second	3/8/2022	2.25	129.00	290.25	
		UNILULL	6.60	20.00	200.20	

Project	1178.04	Glenn GWA -Colusa G	SP Annual	Report 2022	Invoice	5122
Boettner, Is	sabelle	3/9/2022	5.75	129.00	741.75	
	Worked on hydrog Davids.	graphs with J. Davids and made	e changes fi	rom J.		
Boettner, Is	sabelle	3/10/2022	3.00	129.00	387.00	
	Made changes to coefficients with J.	hydrographs from J. Davids an		and a state of the second	0.000	
Boettner, Is	abelle	3/11/2022	3.25	129.00	419.25	
	Did analysis of lan RMS wells, and cr	d uses for IrriWatch ETa data, eated comparison graph of IWI	looked into FM results.	missing	a comp	
Boettner, Is		3/16/2022	2.25	129.00	290.25	
	Made changes to :	script to include missing RMS v	vells.			
Boettner, Is		3/17/2022	1.00	129.00	129.00	
	Fixed missing well	and reran script.				
Superv	ising Engineer					
Davids, Jef		3/1/2022	.25	213.00	53.25	
	Coordination with	K. Klug for hydrograph and stor	rage graph	preparations.		
Davids, Jef	1	3/2/2022	.25	213.00	53.25	
	Coordination with I	K. Klug for hydrograph and stor	age graph (	preparations,		
Davids, Jef		3/4/2022	1.75	213.00	372.75	
	Working with I. Boo structure, and code	ettner on configuration of files, a	analysis log	ic and		
Davids, Jeff		3/7/2022	2.50	213.00	532.50	
		ettner and W. Carrara on Open	ET analysis	, review of		
Davids, Jeff	the second of the second second second second	3/8/2022	.25	213.00	53.25	
	* Contraction of the second s second second s second second se	ohs and storage change graphs			A Sum C	
Davids, Jeff	[5] L. C. K. ARRANT, J. Z. MUZI, M. J. M.Z. Hu, G.	3/9/2022	1.75	213.00	372.75	
		ettner on groundwater storage of eviewing hydrographs and coo				
Davids, Jeff	and the second	3/10/2022	2.75	213.00	585.75	
		nenting custom storage coefficient aphs with I. Boettner. Reviewing tner.				
Davids, Jeff		3/11/2022	3.25	213.00	692.25	
	OpenET and IrriWa participation in TAC	atch comparison, preparation ca	all for TAC r	neeting,		
Davids, Jeff		3/13/2022	.50	213.00	106.50	
	Coordination with I. change figures.	Boettner to finish remaining hy	ydrographs	and storage	100 M	
Davids, Jeff		3/16/2022	.25	213.00	53.25	
Davids, Jeff	Revisions to hydrog	graphs and storage change gra 3/17/2022	phs. .50	213.00	106.50	
H.	questions about ch	change and hydrograph devel anges to storage change graph	opment. Ar is from Wes	swering	Manage	
	te Engineer I	411 2000	4.55	100.00	6 242 232	
Klug, Kather		3/4/2022	6.25	175.00	1,093.75	
	CONTRACTOR AND AND A CONTRACTOR AND A CONTRACTOR	leliveries development			and the second second	
Klug, Kather		3/7/2022 ort water budget development	.75	175.00	131.25	
Jug, Kather	and the set of the set	3/8/2022	3.50	175.00	612.50	
		rt water budget development	-10 / T. Y.	A MARKED WITH	6,000	
	ACA . A MARKET AND A MARKET A MARKET AND A		he shall be	1000	000 00	
dug, Kather	ine	3/9/2022	1.50	175.00	262.50	

1. 1. 1. Total	1178.04	Glenn GWA -Colu	sa GSP Annual	Report 2022	Invoice	5122
Klug, Kath		3/10/2022	4.00	175.00	700.00	1.1.1.1.1.1.1.1.1
		eport water budget developn	nent, Joint TAC	presentation		
Mar Hall	development and	and sentences of the sentence of the sentences of the sen				
Klug, Kath		3/17/2022	2.25	175.00	393.75	
Mug Kath		supply updates for Colusa a		175.00	10.75	
Klug, Kath		3/18/2022	.25	175.00	43.75	
Klug Kath	and the second	supply updates for Colusa a 3/22/2022	and the second	175.00	040 75	
Klug, Kath		sponding to comments on E	1.25 T differences in	175.00	218.75	
	and 2020-2021	sponding to comments on E	i unerences in	2014-2015		
	Totals		64.75		10,437.25	
	Total L	abor	2,64,0		101-01-00	10,437.25
					140.4	- 00919003
				Total this Sul	b-lask	\$10,437.25
Sub-Task	WY.A0	West Yost Associates	S			
Consultar	nts					
	Associates, Inc.					
AP 872	9 3/30/20				7,530.50	
		Services from J 2022 - see attac	anuary 29 to Fe	bruary 25,		
AP 872	4 3/31/20	1	WWWWWWWWWWWWWWW	fessional	15,393.50	
11 012	- 0/01/20		ebruary 26 to M		10,000.00	
		2022 - see attac				
	Total C	Consultants		1.0 times	22,924.00	22,924.00
				Total this Sut	Task	\$22,924.00
				i olar into olar	- ush	+22,024,00
				Total this	s Task	\$33,361.25
		the second deal wave have been a second with the second second second				
rask	03.00	Summarize Progress	Towards GSP In	mplementation		
	03.00	Summarize Progress		mplementation		
Sub-Task	DE.00	Summarize Progress Davids Engineering, I		mplementation		
Sub-Task				mplementation		
Sub-Task Professior	DE.00 nal Personnel			mplementation Rate	Amount	
Sub-Task Profession Senior	DE.00 nal Personnel Project Assistant	Davids Engineering, I	nc. Hours			
Sub-Task Profession Senior	DE.00 nal Personnel Project Assistant sti	Davids Engineering, I 3/23/2022	nc.		Amount 26.25	
Sub-Task Profession Senior Davids, Kris	DE.00 nal Personnel Project Assistant sti Project support, a	Davids Engineering, I 3/23/2022	nc. Hours			
Sub-Task Professior Senior Davids, Kris Associ	DE.00 nal Personnel Project Assistant sti Project support, a ate Engineer I	Davids Engineering, I 3/23/2022 accounting	nc. Hours .25	Rate 105.00	26.25	
Senior Davids, Kris	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I erine	Davids Engineering, I 3/23/2022 accounting 3/8/2022	nc. Hours .25 2.25	Rate 105.00 175.00		
Sub-Task Profession Senior Davids, Kris Associ Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I arine Colusa annual rep	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing	nc. Hours .25 2.25 table outlines w	Rate 105.00 175.00 ith WY	26.25 393.75	
Sub-Task Professior Senior Davids, Kris Associ Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I erine Colusa annual rep erine	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022	nc. Hours .25 2.25	Rate 105.00 175.00	26.25	
Sub-Task Professior Davids, Kris Associ Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I erine Colusa annual rep erine Colusa annual rep	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates	nc. Hours .25 2.25 table outlines w 1.00	Rate 105.00 175.00 ith WY 175.00	26.25 393.75 175.00	
Sub-Task Professior Davids, Kris Associ Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I erine Colusa annual rep erine Colusa annual rep erine	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022	nc. Hours .25 2.25 table outlines w	Rate 105.00 175.00 ith WY	26.25 393.75	
Sub-Task Professior Davids, Kris Associ Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I erine Colusa annual rep erine Colusa annual rep erine Colusa annual rep	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022 port documentation updates	nc. Hours .25 2.25 table outlines w 1.00 2.25	Rate 105.00 175.00 ith WY 175.00 175.00	26.25 393.75 175.00 393.75	
Sub-Task Professior Davids, Kris Associ Klug, Kathe Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I colusa annual rep arine Colusa annual rep arine Colusa annual rep arine	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022 port documentation updates 3/11/2022	nc. Hours .25 2.25 table outlines w 1.00	Rate 105.00 175.00 ith WY 175.00	26.25 393.75 175.00	
Sub-Task Professior Davids, Kri: Associ Klug, Kathe Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I colusa annual rep arine Colusa annual rep arine Colusa annual rep arine colusa annual rep arine preparing for and	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022 port documentation updates 3/11/2022 participating in Joint TAC	nc. Hours .25 table outlines w 1.00 2.25 3.00	Rate 105.00 175.00 ith WY 175.00 175.00 175.00	26.25 393.75 175.00 393.75 525.00	
Sub-Task Professior Senior Davids, Kris Associ	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I colusa annual rep arine Colusa annual rep arine Colusa annual rep arine colusa annual rep arine preparing for and arine	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022 port documentation updates 3/11/2022 participating in Joint TAC 3/15/2022	nc. Hours .25 table outlines w 1.00 2.25 3.00 1.00	Rate 105.00 175.00 ith WY 175.00 175.00	26.25 393.75 175.00 393.75	
Sub-Task Professior Davids, Kri: Associ Klug, Kathe Klug, Kathe Klug, Kathe	DE.00 nal Personnel Project Assistant sti Project support, a late Engineer I colusa annual rep erine Colusa annual rep erine Colusa annual rep erine colusa annual rep erine finalizing content f	Davids Engineering, I 3/23/2022 accounting 3/8/2022 port documentation, sharing 3/9/2022 port documentation updates 3/10/2022 port documentation updates 3/11/2022 participating in Joint TAC	nc. Hours .25 table outlines w 1.00 2.25 3.00 1.00	Rate 105.00 175.00 ith WY 175.00 175.00 175.00	26.25 393.75 175.00 393.75 525.00	

Project	1178.04	Glenn GWA -Colusa G	SP Annual	Report 2022	Invoice	5122
Klug, Kathe	erine	3/17/2022	2.00	175.00	350.00	
	preparing updates	s to PMAs				
Klug, Kathe	erine	3/18/2022	2.00	175.00	350.00	
	updating PMA dea	scriptions				
Klug, Kathe	erine	3/28/2022	.75	175.00	131.25	
		aring draft sinkholes discussion nts on draft Annual Report	, draft map r	nockup,		
Klug, Kathe	rine	3/30/2022	2.00	175.00	350.00	
	reviewing and che with annual report Totals	ecking water budget numbers, r t tables/figures, responding to c	omments	nsistency	0.000.00	
	Total La	har	18.50		3,220.00	2 220 00
	Total La					3,220.00
				Total this Su	ub-Task	\$3,220.00
				Total th	is Task	\$3,220.00
<b></b> - Task		Prepare Annual Report				
Sub-Task	-		-			
	DE.00 al Personnel	Davids Engineering, Inc.				
TOIESSION	ai rersonnei					
<b>.</b>	1 -		Hours	Rate	Amount	
0	al Engineer	0/00/2020	4	000.00		
Davids, Gra		3/30/2022	1.00	220.00	220.00	
Davide Ora	Review annual rep			000.00		
Davids, Gra		3/31/2022	.75	220.00	165.00	
Soulde Ist		al report comments	50	000.00		
Davids, Joh		3/4/2022	.50	233.00	116.50	
	CSUS contracting					
Davids, Johi		3/10/2022	.50	233.00	116.50	
Jourdan 1-1-	annual report ppt r		4.00	000.00	000.00	
Davids, Johi		3/11/2022	1.00	233.00	233.00	
Souther Ist	annual report PPT		4.00	000.00	000 00	
Davids, Johr		3/14/2022	1.00	233.00	233.00	
	CSUS contracting	0/40/2022	4.05	000.00	001.07	
Davids, Johr		3/18/2022	1.25	233.00	291.25	
	annual report senio	or review				
	te Engineer I	01112222				
lug, Kather		3/1/2022	.25	175.00	43.75	
	Annual Report coo					
Klug, Kather		3/7/2022	.50	175.00	87.50	
		ort preparation, coordination	12 Internet			
lug, Kather		3/16/2022	3.25	175.00	568.75	
-	-	ort documentation updates				
lug, Kather		3/17/2022	2.50	175.00	437.50	
		ort documentation updates				
lug, Kather		3/18/2022	2.00	175.00	350.00	
		ort documentation updates				
lug, Kather		3/21/2022	4.25	175.00	743.75	
	Colusa annual repo	ort documentation updates; dist	ributing draf	t report		
lug, Katheri	ine	3/22/2022	1.50	175.00	262.50	
	CGA presentation i discussion)	review; participating in CGA me	eting (annu	al report		

Project	1178.04	Glenn GWA -Colusa	GSP Annual F	eport 2022	Invoice	5122
Klug, Kath	erine	3/29/2022	.25	175.00	43.75	
	preparing DWR S	GMA portal uploads				
Klug, Kath	erine	3/30/2022	1.50	175.00	262.50	
	reviewing and revi	ising annual report, respondi	ng to comment	S		
Klug, Kathe	erine	3/31/2022	6.50	175.00	1,137.50	
		sing annual report, respondi MA portal materials	ng to comment	s, preparing		
	Totals		28.50		5,312.75	
	Total La	bor				5,312.75
				Total this Su	b-Task	\$5,312.75
				Total thi	s Task	\$5,312.75
				Total this I	Project	\$42,728.50
				Total this	Report	\$42,728.50



Remit Payment To: 2020 Research Park Drive, Suite #100 Davis, CA 95618

	Invoice Number:	February 25, 2022 2048411
Mr. John Davids	Client Project:	Project# 1178.04
Principal	WY Project No:	277-80-22-12
Davids Engineering, Inc.	Contract Amount:	24,500.00
1772 Picasso Avenue., Suite A	Job Name:	Colusa GSP Annual Report 2022
Davis, CA 95618		

#### Professional Services from January 29, 2022 to February 25, 2022

Previously Billed :	0.00
Total This Period :	7,530.50
Total Amount Billed to Date including This Invoice :	7,530.50
Amount Remaining in Contract :	16,969.50

Task	001	Annual Report				
Professional	Personnel					
			Hours	Rate	Amount	
Principa	l Eng/Scientist/Ge	ologist II	4.00	289.00	1,156.00	
Associat	te Eng/Scientist/G	eologist l	30.50	209.00	6,374.50	
	Totals		34.50		7,530.50	
	Total La	bor				7,530.50
				Total th	is Task	\$7,530.50
				Total this I	nvoice	\$7,530.50

## Description of Services:

Worked on the Colusa Subbasin GSP 1st Annual Report.

Project	277-80-22-12	Colusa GSP Annual Report	2022	Invoice	2048411	
Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining	
001	Annual Report	24,500.00	7,530.50	7,530.50	16,969.50	
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00	
TOTAL	and the second second second	24,500.00	7,530.50	7,530.50	16,969.50	

Please direct questions to:

Project Manager	Kenneth Loy
Principal	Lindsay Smith 15

Project 277-80-22-12	Colusa GSP Annua	Report 2022		Invoice	2048411
Billing Backup				Frida	ay, March 4, 2022
West Yost Associates, Inc.	Invo	ice 2048411 Dat	ed 2/25/2022		4:00:38 PM
Task 001	Annual Report				
Professional Personnel					
		Hours	Rate	Amount	
Principal Eng/Scientist/Geologist II	I				
25 - Loy, Kenneth	2/9/2022	2.00	289.00	578.00	
Developed approach	for generating ground	water level hydr	ographs.		
25 - Loy, Kenneth	2/11/2022	2.00	289.00	578.00	
	for change in storage e	stimates.			
Associate Eng/Scientist/Geologist					
41 - Reimer, Anna	2/9/2022	2.00	209.00	418.00	
	graph and storage calcu		n.		
11 - Reimer, Anna	2/11/2022	2.00	209.00	418.00	
	graph and storage calcu				
1 - Reimer, Anna	2/14/2022	5.50	209.00	1,149.50	
Annual report.					
1 - Reimer, Anna	2/15/2022	6.00	209.00	1,254.00	
Annual report.	- / /				
1 - Reimer, Anna	2/22/2022	4.00	209.00	836.00	
Annual report.	2/24/2022	6.00	200.00	4 35 4 66	
1 - Reimer, Anna Annual report.	2/24/2022	6.00	209.00	1,254.00	
1 - Reimer, Anna	2/25/2022	5.00	209.00	1 045 00	
Annual report.	2/23/2022	5.00	209.00	1,045.00	
Totals		34.50		7,530.50	
Total Labor		54.50		7,550.50	7,530.50
			Total th	is Task	\$7,530.50
			Total this	Project	\$7,530.50
			Total this	Report	\$7,530.50



Remit Payment To: PO Box 2158 Davis, CA 95617

	Invoice Number:	March 25, 2022 2048756
Mr. John Davids	Client Project:	Project# 1178.04
Principal	WY Project No:	277-80-22-12
Davids Engineering, Inc.	Contract Amount:	24,500.00
1772 Picasso Avenue., Suite A	Job Name:	Colusa GSP Annual Report 2022
Davis, CA 95618		

#### Professional Services from February 26, 2022 to March 25, 2022

Previously Billed :	7,530.50
Total This Period :	15,393.50
Total Amount Billed to Date including This Invoice :	22,924.00
Amount Remaining in Contract :	1,576.00

Task	001	Annual Report				
Professiona	l Personnel					
			Hours	Rate	Amount	
Principa	I Eng/Scientist/Ge	ologist II	4.50	289.00	1,300.50	
Associat	te Eng/Scientist/G	eologist I	59.50	209.00	12,435.50	
Enginee	r/Scientist/Geolog	gist II	8.50	195.00	1,657.50	
	Totals		72.50		15,393.50	
	Total La	bor				15,393.50
				Total ti	his Task	\$15,393.50
				Total this	Invoice	\$15,393.50

### Description of Services:

Prepared draft 2022 Colusa Subbasin GSP Annual Report sections.

#### **Outstanding Invoices**

Number	Date	Balance
2048411	2/25/2022	7,530.50
Total		7,530.50

Project	277-80-22-12	Colusa GSP Annual Report	2022	Invoice	2048756
Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Annual Report	24,500.00	15,393.50	22,924.00	1,576.00
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
TOTAL		24,500.00	15,393.50	22,924.00	1,576.00

Please direct questions to:

Project Manager Principal Kenneth Loy Lindsay Smith 15

Project	277-80-22-12	Colusa GSP Annual	Report 2022		Invoice	2048756
A COMPANY AND	Backup Associates, Inc.	Invoi	ce 2048756 Da	ted 3/25/2022	Fri	day, April 1, 202. 2:11:30 PN
Task	001	Annual Report				
Professiona	al Personnel					
			Hours	Rate	Amount	
Principal En	g/Scientist/Geologist I	1	17.2 PUD	ACC MIN	1000000	
25 - Loy, Ke		3/11/2022	2.50	289.00	722.50	
	Prepared for and par	ticipated in Colusa Subb	asin TAC meet	ing.		
25 - Loy, Ke	nneth	3/18/2022	2.00	289.00	578.00	
	Reviewed draft section	ons of annual report.				
Associate E	ng/Scientist/Geologist					
41 - Reimer	, Anna	2/28/2022	2.00	209.00	418.00	
	Annual Report.					
41 - Reimer	, Anna	3/1/2022	5.00	209.00	1,045.00	
	Annual Report.					
41 - Reimer	, Anna	3/2/2022	3.00	209.00	627.00	
	Annual Report.					
41 - Reimer,	, Anna	3/3/2022	3.00	209.00	627.00	
	Annual Report.					
41 - Reimer,	, Anna	3/4/2022	3.00	209.00	627.00	
	Annual Report.					
41 - Reimer,	, Anna	3/7/2022	7.50	209.00	1,567.50	
	Work on annual repo	rt.				
41 - Reimer,	Anna	3/8/2022	8.00	209.00	1,672.00	
	Work on annual repo	rt.				
41 - Reimer,	Anna	3/9/2022	4.00	209.00	836.00	
	Work on annual repo	rt.				
41 - Reimer,		3/10/2022	4.00	209.00	836.00	
	Work on annual repo	rt.				
41 - Reimer,		3/11/2022	8.00	209.00	1,672.00	
	Work on annual repo	rt. Present at joint TAC r	neeting.			
41 - Reimer,		3/14/2022	5.50	209.00	1,149.50	
3	Work on annual repo		12.2	20.00		
41 - Reimer,	All the state of the second state and the second	3/15/2022	5.00	209.00	1,045.00	
i san	Work on annual repo		3.26	222 62	6.01.60	
41 - Reimer,		3/16/2022	1.50	209.00	313.50	
		Work on annual report.				
and the second second	entist/Geologist II	7/14/2022	1.50	105 00		
50 - Kwok, A		3/11/2022	1.50	195.00	292.50	
Desision	GWE 2021 update	2/11/2022	2.00	105 00	F05 00	
50 - Poncele		3/11/2022	3.00	195.00	585.00	
	spring 2021 and fall 2				-	
50 - Poncele	t, Austin	3/17/2022	4.00	195.00	780.00	

Project	277-80-22-12	Colusa GSP Annual Report 2022	Invoice	2048756
	methodology. Re cor	rasters and GWE contours usinf non - enforce nfigured the contours generated from the raster. files for Anna review.		
	Totals	72.50	15,393.50	
	Total Labor			15,393.50
		1	Fotal this Task	\$15,393.50
		Tot	al this Project	\$15,393.50
		Tot	al this Report	\$15,393.50

Report #14; Invoice #14 (Prop. 1) Report #8; Invoice #8 (Prop. 68) Reporting Period: 01/01/2022-03/31/2022

Davids Engineering, Inc. Invoice #1178.03-5125 Invoice total: \$18,339.00

## **BUDGET CATEGORY A: GRANT ADMINISTRATION**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

**BUDGET CATEGORY B: STAKEHOLDER OUTREACH AND EDUCATION** 

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$0.00

# **BUDGET CATEGORY C: GSP DEVELOPMENT**

Invoice total – Proposition 1: \$0.00

Invoice total – Proposition 68: \$17,418.00

# **Description of Work performed:**

- Funding Mechanisms
  - Review GSP costs, develop PMA study costs summary, GIS data organization, Cost allocation approaches, PowerPoint materials and content, summarized Pop 218 costs for GSP implementation, develop cost allocation examples, meeting in Maxwell
- Hydrogeologic Investigation
  - Participated in Joint TAC meeting, prepared land subsidence section of hydrogeologic investigation work plan, assessed proposed AEM lines

# **BUDGET CATEGORY D: MONITORING AND ASSESSMENT**

Invoice total – Proposition 68: \$921.00

Description of Work performed:

- Well Monitoring Pilot Program
  - Coordination of WMPP expansion equipment, review applicant information and addition Round
     1 CGA sites to the list

Invoice	]	Tax 1772 Pica: Davis, 530/75	ENGINEERING, ID#68-0346173 sso Avenue, St CA 95618-055 57-6107 - phon 757-6118 - fax	uite A 50		
Lisa Hunter Glenn Groundwate 225 N Tehama St. Willows, CA 9598				April 25, 2022 Invoice No:	1178.03 - 5125	
Project Professional Sen	1178.03	Glenn Gro h 1, 2022 to March :		ority - Colusa Subba	sin GSP Development	
Task	01.00					
Contract Amount Total Billings Contract A Remaining	Amount	Project Manageme	Current 0.00	<b>Prior</b> 44,198.50	<b>To-Date</b> 44,198.50 44,200.00 1.50	Ŀ
		3		Total this	s Task	0.00
Billings to Date						
		Current	Prior	Total		
Labor		0.00	44,198.50	44,198.50		
Totals		0.00	44,198.50	44,198.50		
Task	02.00	Stakeholder Outrea	ach and Coordin	ation		
Sub-Task	CS.US	California State Un	iversity, Sacram	iento		
Contract Amount			Current	Prior	To-Date	
Total Billings			0.00	76,980.25	76,980.25	
Contract A	mount				76,980.25	
				Total this Sub	-Task	0.00
Sub-Task	DE.00	Davids Engineering	, Inc.			
<b>Contract Amount</b>			Current	Prior	To-Date	
Total Billings Contract A Remaining			0.00	47,725.75	47,725.75 71,176.00 23,450.25	
				Total this Sub	-Task	0.00
				Total this	Task	0.00
Billings to Date						
		Current	Prior	Total		
Labor		0.00	47,725.75	47,725.75		

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5125
Consultar	nt	0.00	76,980.25	76,980.25		
Totals		0.00	124,706.00	124,706.00		
Task	03.01	Data Collection a	and Analysis			
Sub-Task	DE.00	Davids Engineer	ing, Inc.			
Contract Amo	ount		Current	Prior	To-Date	
Total Billir			0.00	3,558.75	3,558.75	
	act Amount				3,559.00	
Rema	aining				.25	
				Total this Su	b-Task	0.00
<b></b> _	WY.A0	West Yost Assoc	— — — — — —			
Contract Amo	ount		Current	Prior	To-Date	
Total Billin	igs		0.00	21,976.00	21,976.00	
Contra	act Amount				21,976.00	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to Dat	te					
		Current	Prior	Total		
Labor		0.00	3,558.75	3,558.75		
Consultant	t	0.00	21,976.00	21,976.00		
Totals		0.00	25,534.75 	25,534.75		
Task	03.02	Integrated Hydrol	ogic Modeling			
Sub-Task	DE.00	Davids Engineeri	ng, Inc.			
Contract Amo			Current	Prior	To-Date	
Total Billing			0.00	111,913.00	111,913.00	
Contra	ict Amount				111,913.00	
				Total this Sub	o-Task	0.00
				Total this	s Task	0.00
Billings to Date	e					
		Current	Prior	Total		
Labor		0.00	111,913.00	111,913.00		
Totals		0.00	111,913.00	111,913.00		
ask	03.03	Monitoring Protoc	ols			
Sub-Task	DE.00	Davids Engineerir				
Contract Amou			Current	Prior	To-Date	
Total Billing	5 M		0.00	110.00	110.00	
Contra	ct Amount				110.00	
				Total this Sub	-Task	0.00
<b>ub-Task</b>		West Yost Associa				

Project	1178.03	Glenn GWA - C	olusa Subbasin (	GSP Develop.	Invoice	5125
Contract A	mount		Current	Prior	To-Date	
Total Bi			0.00	6,455.00	6,455.00	
Co	ntract Amount		-		6,455.00	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to I	Date					
		Current	Prior	Total		
Labor		0.00	110.00	110.00		
Consult	ant	0.00	6,455.00	6,455.00		
Totals		0.00	6,565.00	6,565.00		
Task	03.04	Data and Reportin	g Standards			
Sub-Task	DE.00	Davids Engineerin	g, Inc.			
				Total this Sul	b-Task	0.00
Sub-Task	WY.A0	West Yost Associa				
Contract An			Current	Prior	To-Date	
Total Bil Con	lings tract Amount		0.00	9,451.00	9,451.00 9,451.00	
				Total this Sul	o-Task	0.00
				Total this	s Task	0.00
Billings to D	ate					
		Current	Prior	Total		
Consulta	int	0.00	9,451.00	9,451.00		
Totals		0.00	9,451.00	9,451.00		
rask	03.05	Data Management	System			
Sub-Task	DE.00	Davids Engineering	And had been been been			
Contract Am	ount	<b>j</b>	Current	Prior	To-Date	
Total Bill	ings		0.00	4,580.25	4,580.25	
Con	tract Amount			1 THE CONTRACTOR CONTRACTOR (2004)	21,146.00	
Rem	aining				16,565.75	
				Total this Sub	-Task	0.00
ub-Task	WY.A0	West Yost Associat	<b></b>			
Contract Am	ount		Current	Prior	To-Date	
Total Bill			0.00	4,999.00	4,999.00	
	ract Amount				5,000.00	
Rem	aining				1.00	
				Total this Sub	-Task	0.00

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5125
Billings to	Date					
		Current	Prior	Total		
Labor		0.00	4,580.25	4,580.25		
Consul	ltant	0.00	4,999.00	4,999.00		
Totals		0.00	9,579.25	9,579.25		
Task	03.06	GSP Administrat	ive Information		3353332	23555
Sub-Task	DE.00	Davids Engineeri	ing, Inc.			
Contract A	mount	New Content Distance	Current	Prior	To-Date	
Total B	illings		0.00	307.50	307.50	
Co	intract Amount		0.2.5	144.60.4	307.00	
				Total this Su	b-Task	0.00
Sub-Task		West Yost Assoc				
Contract A	[10] B. M. D. K. W. W. W. B. W. B.	11631 1031 13500	Current	Prior	To-Date	
Total Bi			0.00	21,949.00	21,949.00	
	ntract Amount		0.00	21,349.00	21,949.00	
	AN AN TANK			Total this Su		0.00
				Total thi	s Task	0.00
harren lan a	a VI				a taan	0.00
Billings to I	Date	2.2.2	4.57	6.5.2		
Labor		Current	Prior	Total		
Consult	lant	0.00	307.50	307.50		
Totals	an	0.00	21,949.00 22,256.50	21,949.00 22,256.50		
Task	03.07	Basin Setting				
Sub-Task	DE.00	Davids Engineerin	ng, Inc.			
Contract An	nount		Current	Prior	To-Date	
Total Bil			0.00	19,465.00	19,465.00	
	ntract Amount				19,468.00	
Ren	maining				3.00	
				Total this Sul	o-Task	0.00
ub-Task	ER.A0	ERA Economics, I				
Contract An		The second s	Current	Prior	To-Date	
Total Bil			0.00	2,455.00	2,455.00	
	tract Amount		4,66	21100.00	2,455.00	
				Total this Sub	o-Task	0.00
Sub-Task		West Yost Associa				
Contract An		West TOSLASSOCIE	Current	Prior	To-Date	
Total Bil						
	itract Amount		0.00	22,988.00	22,988.00 23,017.00	
	naining				29.00	

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5125
				Total this Su	ib-Task	0.00
				Total th	is Task	0.00
Billings to [	Date					
0.5		Current	Prior	Total		
Labor		0.00	19,465.00	19,465.00		
Consult	ant	0.00	25,443.00	25,443.00		
Totals		0.00	44,908.00	44,908.00		
Task	03.08	Sustainable Man	agement Criteria			
Sub-Task	DE.00	Davids Engineer				
Contract An		Peride Elignicei	Current	Prior	To-Date	
Total Bil			0.00	52,647.20	52,647.20	
	tract Amount		0.00	02,047.20	52,654.00	
	naining				6.80	
	3 L L			Total this Su		0.00
				Total this ou	D-103K	0.00
Sub-Task	ER.A0	ERA Economics,	LLC			
Contract Am		an or an an an interior	Current	Prior	To-Date	
Total Bill	lings		0.00	11,221.00	11,221.00	
	tract Amount		0107		11,221.00	
				Total this Sul		0.00
Sub-Task		Woodard and Cu				
Contract Am		woodard and Cu	Current	Prior	To-Date	
Total Bill			0.00		154,669.25	
	tract Amount		0.00	154,669.25	154,669.25	
C SI				Total this Sut		0.00
				rotal this Sul	J-Task	0.00
Sub-Task	WY.A0	West Yost Associ	ates			
Contract Am			Current	Prior	To-Date	
Total Bill	ings		0.00	61,270.50	61,270.50	
	tract Amount		2.26	4.000 (200 B)	61,318.00	
Rem	aining				47.50	
				Total this Sub	o-Task	0.00
				Total this	a Task	0.00
Billings to Da	ate					
5,4400 <b>H</b> E 37, 67	032	Current	Prior	Total		
Labor		0.00	52,647.20	52,647.20		
Consulta	nt	0.00	227,161.00	227,161.00		
Add-on	0	0.00	25	25		
Totals		0.00	279,807.95	279,807.95		
		و بل الله الله الله بل بله الله	براسر تبراسر سرائر	بية عدر تعريف عدر عدر عدر	********	

Project	1178.03	Glenn GWA -	Colusa Subbasin	GSP Develop.	Invoice	5125
Sub-Task	DE.00	Davids Enginee	ring, Inc.			
Contract An		CANADA SURVEY	Current	Prior	To-Date	
Total Bil	lings		0.00	4,590.00	4,590.00	
Con	tract Amount				4,590.00	
				Total this Su	b-Task	0.00
Sub-Task	WY.A0	West Yost Asso	 ciates			
Contract Am	nount	a stand a stand at	Current	Prior	To-Date	
	lings tract Amount naining		0.00	72,878.00 72,878.00 72,908.00 30.00		
				Total this Su	b-Task	0.00
				Total this Task		0.00
Billings to D	ate					
		Current	Prior	Total		
Labor		0.00	4,590.00	4,590.00		
Consulta	nt	0.00	72,878.00	72,878.00		
Totals	2222222	0.00	77,468.00	77,468.00		0.2.2.2.2
Task	03.10	Projects and Mar	nagement Actions	12022222		22222
Sub-Task	DE.00	Davids Engineer	ing, Inc.			
Contract Am	ount		Current	Prior	To-Date	
Total Billi	ings		0.00	92,347.75	92,347.75	
	ract Amount				92,836.00	
Rem	aining				488.25	
				Total this Sul	o-Task	0.00
Sub-Task	ER.A0	ERA Economics,	LLC			
Contract Am			Current	Prior	To-Date	
Total Billi Conti	ngs ract Amount		0.00	48,363.75	48,363.75 48,363.75	
				Total this Sut	o-Task	0.00
Sub-Task	WY.A0	West Yost Assoc				
Contract Am	ount		Current	Prior	To-Date	
	ngs ract Amount aining		0.00	7,493.50	7,493.50 7,500.00 6,50	
				Total this Sub	-Task	0.00
				Total this	Task	0.00

Project	1178.03	Glenn GWA -	Colusa Subbasin (	GSP Develop.	Invoice	5125
Billings to	Date					
		Current	Prior	Total		
Labor		0.00	92,350.75	92,350.75		
Consul	tant	0.00	55,857.25	55,857.25		
Add-on	L	0.00	-3.00	-3.00		
Totals		0.00	148,205.00	148,205.00		
Task	03.11	GSP Document	Preparation and A	- <b>— — — — — — -</b> doption		
Sub-Task	DE.00	Davids Engineer				
Contract A	mount	5	Current	Prior	To-Date	
Total B	illinas		0.00	39,549.00	39,549.00	
	ntract Amount		0.00	00,040.00	39,549.00	
				Total this Su		0.00
					J-Task	0.00
Sub-Task	WY.A0	West Yost Assoc	ciates			
Contract A	mount		Current	Prior	To-Date	
Total Bi	llings		0.00	65,202.37	65,202.37	
Cor	ntract Amount				65,278.00	
Ren	maining				75.63	
				Total this Sul	o-Task	0.00
				Total this	Tack	0.00
				rotar this	5 145K	0.00
Billings to [	Date					
		Current	Prior	Total		
Labor		0.00	39,549.00	39,549.00		
Consult	ant	0.00	65,202.37	65,202.37		
Totals		0.00	104,751.37	104,751.37		
Task	04.00	Funding Mechan	isms			
Sub-Task	DE.00	Davids Engineeri	ing, Inc.			
Contract An	nount	-	Current	Prior	To-Date	
Total Bil	lings		0.00	9,680.00	9,680.00	
	tract Amount			Anna Contractor Contra	9,680.00	
				Total this Sub		0.00
Sub-Task Consultants	ER.A0	ERA Economics,	LLC			
ERA Eco	onomics, LLC					
3/31/	2022 ERA Ecor	nomics, LLC	Professional Serv March 1 to March see attached		8,101.25	
	Total Cor	nsultants		1.0 times	8,101.25	8,101.25
Contract Am	nount		Current	Prior	To-Date	
Tatal Dill	linas		8,101.25	36,678.75	44,780.00	
Total Bill	lingo					

Project	1178.03	Glenn GWA	- Colusa Subbasin G	SP Develop.	Invoice	5125
				Total this Su	ıb-Task	\$8,101.25
				Total th	is Task	\$8,101.25
Billings to	Date					
		Current	Prior	Total		
Labor		0.00	9,680.00	9,680.00		
Consul	tant	8,101.25	36,678.75	44,780.00		
Totals		8,101.25	46,358.75	54,460.00		
Task	05.00	Hydrogeologic I	nvestigation			
Sub-Task	DE.00	Davids Enginee				
P T R	al Personnel	Davids Eliginee	ang, me.			
	and a find of the state of the		Hours	Rate	Amount	
Principa	al Engineer		risula		Filligan	
Da	vids, Grant		10.50	220.00	2,310.00	
	ate Engineer I				1.1.1	
	ig, Katherine		27.25	175.00	4,768.75	
	ate Project Assistant			0000	1000	
Cla	irk, Cynthia		.75	94.00	70.50	
	Totals		38.50		7,149.25	
	Total La	por				7,149.25
Contract Ar	nount		Current	Prior	To-Date	
	llings ntract Amount maining		7,149.25	35,846.25	42,995.50 65,099.00 22,103.50	
	1997 - A.			Total this Sul		\$7,149.25
Sub-Task Consultants	WY.A0	West Yost Asso	clates			
West Yo	ost Associates, Inc.					
3/31/	/2022 West Yos	st Associates, Inc.	Professional Serv February 26 to Ma - see attached		2,167.50	
		Area and an	and Annal and	a service of the	2,167.50	2,167.50
	Total Co	nsultants		1.0 times		
Contract An		nsultants	Current	2.2.4.11	1	
Total Bil Con	nount	nsultants	Current 2,167.50	1.0 times Prior 69,236.00	<b>To-Date</b> 71,403.50 75,759.75 4,356.25	
Total Bil Con	nount llings itract Amount	nsultants		Prior	<b>To-Date</b> 71,403.50 75,759.75 4,356.25	\$2,167.50
Total Bil Con	nount llings itract Amount	nsultants		Prior 69,236.00 Total this Sut	To-Date 71,403.50 75,759.75 4,356.25 9-Task	
Total Bil Con	nount llings itract Amount	nsultants		<b>Prior</b> 69,236.00	To-Date 71,403.50 75,759.75 4,356.25 9-Task	\$2,167.50 \$9,316.75
Total Bil Con Ren	nount Ilings itract Amount naining	nsultants		Prior 69,236.00 Total this Sut	To-Date 71,403.50 75,759.75 4,356.25 9-Task	
Total Bil Con Ren	nount Ilings itract Amount naining	nsultants Current		Prior 69,236.00 Total this Sut	To-Date 71,403.50 75,759.75 4,356.25 9-Task	
Con	nount Ilings itract Amount naining		2,167.50	Prior 69,236.00 Total this Sub Total this	To-Date 71,403.50 75,759.75 4,356.25 9-Task	
Total Bil Con Ren Billings to D	nount Ilings Itract Amount naining Date	Current	2,167.50 Prior	Prior 69,236.00 Total this Sub Total this Total	To-Date 71,403.50 75,759.75 4,356.25 9-Task	

	1178.03	Glenn GWA -	Colusa Subbasin G	SP Develop.	Invoice	5125
 Task	06.00	GDE Evaluation				
Sub-Task	DE.00	Davids Enginee	- <b></b>			
Contract A	nount		Current	Prior	To-Date	
0.000	llings htract Amount naining		0.00	15,532.50	15,532.50 20,532.00 4,999.50	
				Total this Su	b-Task	0.00
<b></b> _	WY.A0	West Yost Asso				
Contract Ar		West 1031 A330	Current	Prior	To-Date	
Total Bi			0.00	0.00	0.00	
	tract Amount		0.00	0.00	5,000.00	
	naining				5,000.00	
				Total this Su	b-Task	0.00
				Total thi	s Task	0.00
Billings to D	late					
		Current	Prior	Total		
Labor		0.00	15,532.50	15,532.50		
Totals		0.00	15,532.50	15,532.50		
Task	07.00	Well Monitoring F	Pilot Program			
Sub-Task	DE.00	Davids Engineeri				
Professiona	I Personnel					
			Hours	Rate	Amount	
	roject Assistant		0.00	105.00		
Dav	ids, Kristi		2.00		210.00	
				105.00		
Associat	-				186.00	
Associat Alex	ander, Nadya		1.00	186.00	186.00	
Associat Alex Associat	ander, Nadya e Engineer I		1.00	186.00		
Associat Alex Associat	ander, Nadya				186.00 525.00 921.00	
Associat Alex Associat	ander, Nadya e Engineer I , Katherine		1.00 3.00	186.00	525.00	921.00
Associat Alex Associat Klug	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b>		1.00 3.00 6.00	186.00 175.00	525.00 921.00	921.00
Associat Alex Associat Klug Contract Am	ander, Nadya e Engineer I , Katherine Totals Total Labor		1.00 3.00 6.00	186.00 175.00 <b>Prior</b>	525.00 921.00 <b>To-Date</b>	921.00
Associat Alex Associat Klug Contract Am Total Bill	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> ings		1.00 3.00 6.00	186.00 175.00	525.00 921.00 <b>To-Date</b> 63,874.26	921.00
Associat Alex Associat Klug Contract Am Total Bill Cont	ander, Nadya e Engineer I , Katherine Totals Total Labor		1.00 3.00 6.00	186.00 175.00 <b>Prior</b>	525.00 921.00 <b>To-Date</b>	921.00
Associat Alex Associat Klug Contract Am Total Bill Cont	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> ings iract Amount		1.00 3.00 6.00	186.00 175.00 <b>Prior</b>	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74	921.00 \$921.00
Associat Alex Associat Klug Contract Am Total Bill Cont	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> ings iract Amount		1.00 3.00 6.00	186.00 175.00 <b>Prior</b> 62,953.26	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74 <b>-Task</b>	
Associat Alex Associat Klug Contract Am Total Bill Con Rem	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> rount ings tract Amount aining	x	1.00 3.00 6.00	186.00 175.00 Prior 62,953.26 Total this Sub	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74 <b>-Task</b>	\$921.00
Associat Alex Associat Klug Contract Am Total Bill Con Rem	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> rount ings tract Amount aining	Current	1.00 3.00 6.00 <b>Current</b> 921.00	186.00 175.00 Prior 62,953.26 Total this Sub Total this	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74 <b>-Task</b>	\$921.00
Associat Alex Associat Klug Contract Am Total Bill Con Rem Billings to D	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> rount ings tract Amount aining	Current 921.00	1.00 3.00 6.00 Current 921.00 Prior	186.00 175.00 Prior 62,953.26 Total this Sub Total this	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74 <b>-Task</b>	\$921.00
Associat Alex Associat Klug Contract Am Total Bill Con Rem	ander, Nadya e Engineer I , Katherine Totals <b>Total Labor</b> rount ings tract Amount aining	<b>Current</b> 921.00 0.00	1.00 3.00 6.00 <b>Current</b> 921.00	186.00 175.00 Prior 62,953.26 Total this Sub Total this	525.00 921.00 <b>To-Date</b> 63,874.26 66,100.00 2,225.74 <b>-Task</b>	\$921.00

Project	1178.03	Glenn GWA - C	Colusa Subbasin G	SP Develop.	Invoice	5125
				Total this Inv	/oice	\$18,339.00
Outstanding	Invoices					
	Number	Date	Balance			
	5071	3/22/2022	6,615.75			
	Total		6,615.75			
				Total Now [	Due	\$24,954.75
Billings to D	ate					
		Current	Prior	Total		
Labor		8,070.25	515,053.20	523,123.45		
Consulta	int	10,268.75	694,266.62	704,535.37		
Add-on		0.00	29,951.26	29,951.26		
Totals		18,339.00	1,239,271.08	1,257,610.08		
certify that th	he above invoice is tr	rue and correct to the	best of my knowle	edae.		
	an and an and an and	0.0		0.0		
Authorized B	V:	Startal	Jurde	Date:	04/25/2022	
14.0.00.000.000		1		- Duto.	O TEOLOEL	

Project	1178.03	Glenn GWA - Colus	sa Subbasin G	SP Develop.	Invoice	5125
Billing Davids Engin	Backup eering, Inc.	Inv	oice 5125 Date	ed 4/25/2022	Monday	, April 25, 2022 2:04:02 PM
Project	1178.03	Glenn Ground	dwater Authorit	y - Colusa Subba	sin GSP Developr	nent
Task	04.00	Funding Mechanisms				
Sub-Task	ER.A0	ERA Economics, LLC				
Consultants						
ERA Economi	Contraction of the second s					
AP 8746	3/31/2022	ERA Economics Services form M see attached	, LLC / Profess arch 1 to Marc	ional h 31, 2022 -	8,101.25	
	Total Cons			1.0 times	8,101.25	8,101.25
	i entre estite	anamo			29 C C C C C C C C C C C C C C C C C C C	0.14
				Total this Sub	)-Task	\$8,101.25
				Total this	Task	\$8,101.25
			44453.		10000	
Task	05.00	Hydrogeologic Investig	gation		22222	
Sub-Task	DE.00	Davids Engineering, Ir	nc.		200000	
Professional	Personnel	4 V C C - C B C C A B C				
1. 1. 2. C. P. S. P. C. M. C. M. C.			Hours	Rate	Amount	
Principal E	Engineer			1.00	- Interaction	
Davids, Grant		3/10/2022	1.50	220.00	330.00	
3	/11/2022 Joint TAC F				25242	
Davids, Grant		3/11/2022	4.00	220.00	880.00	
F	repare for and partici	pate in Joint TAC meeting	ng			
Davids, Grant		3/15/2022	1.00	220.00	220.00	
	leview 3/16 PPT pres					
Davids, Grant	1993 S. 1993	3/16/2022	1.50	220.00	330.00	
	repare for and partici	pate in GGA Board mee		20000	losse set	
Davids, Grant		3/22/2022	1.25	220.00	275.00	
	repare for and particp	bate in CGA Board meet	V		463.62	
Davids, Grant	lork soordination	3/24/2022	1.25	220.00	275.00	
		with L Hunter and D Ca	ner			
Associate Klug, Katherine		3/2/2022	1.25	175.00	219 75	
C		vork uploads coordinatio		175.00 I sharing	218.75	
Rug, Katherine		3/3/2022	.75	175.00	131.25	
C	olusa Joint Board me	eting coordination, plani unding/financing presen	ning, identifying			
Klug, Katherine	the state of the state of the state of the state of the	3/7/2022	1.00	175.00	175.00	
A COMPANY OF A CONTRACT OF A DEC		ng ppt review, providing			110,00	
dug, Katherine		3/8/2022	.25	175.00	43.75	
	olusa funding/financir	The second second second				
dug, Katherine		3/10/2022	1.00	175.00	175.00	
pa	articipating in funding.	financing plan presenta	tion			
dug, Katherine		3/11/2022	2.25	175.00	393,75	
pa	articipating in Joint TA garding Joint TAC me	C meeting (general con	tent); general o	coordination		

Project 1178	.03	Glenn GWA - Colu	sa Subbasin GS	P Develop.	Invoice	5125
Klug, Katherine		3/14/2022	3.25	175.00	568.75	
meetin	g with G. Davids	to discuss remaining	Colusa SGMA	project work;		
follow-i meetin		ng next-steps with ot	hers; reviewing	GGA Board		
Klug, Katherine	a bbr	3/15/2022	.50	175.00	87.50	
	ng and preparing	for GGA Board meet			07.50	
		lget/tasks with J. Dav		i, alocacoling		
Klug, Katherine		3/16/2022	2.25	175.00	393.75	
	ng and preparing ry of CGA GSA a	for GGA Board meet areas	ting presentatior	n; preparing		
Klug, Katherine	•	3/17/2022	2.50	175.00	437.50	
Colusa	education and H	GI discussion coordir	nation			
Klug, Katherine		3/18/2022	2.75	175.00	481.25	
prepari meeting	ng for and partici with G. Davids,	pating in Colusa SGM L. Hunter, and D. Ca	1A work coordinater	ation		
Klug, Katherine		3/21/2022	1.75	175.00	306.25	
Colusa	monitoring netwo	ork coordination with I narks)	K. Loy and G. D	avids (HGI,		
Klug, Katherine		3/22/2022	1.00	175.00	175.00	
1000	ating in CGA me	eting discussions (ger	neral info)			
Klug, Katherine	care of	3/23/2022	1.00	175.00	175.00	
preparir coordin		or Colusa coordinatio	n meeting, gene	eral project		
Klug, Katherine		3/24/2022	2.50	175.00	437.50	
		r Colusa coordination and follow-up regardi		ipating in		
Klug, Katherine		3/25/2022	2.00	175.00	350.00	
follow-u	o regarding Colu	sa coordination call a	nd sinkholes			
Klug, Katherine		3/28/2022	.75	175.00	131.25	
follow-u commei		sa coordination call a	nd sinkholes, re	viewing		
Klug, Katherine		3/30/2022	.50	175.00	87.50	
follow-u Associate Projec		sa sinkholes discuss	ion			
Clark, Cynthia		3/3/2022	.25	94.00	23.50	
	support/Accounting	ng				
Clark, Cynthia	226 5	3/9/2022	.25	94.00	23.50	
Project	support/Accounting	ng				
Clark, Cynthia		3/22/2022	.25	94.00	23.50	
Project	upport/Accounting	ng				
	Totals		38.50		7,149.25	
	Total Labor					7,149.25
				Total this Sub	-Task	\$7,149.25
ub-Task V	 /Y.A0 V	/est Yost Associates				
		rear Tost Associates				
Consultants	•					
Vest Yost Associates		D.111				
AP 8723	3/31/2022	West Yost Assoc Services from Fe 2022 - see attach	bruary 26 to Ma		2,167.50	
	Total Consult			1.0 times	2,167.50	2,167.50
	. otal oonsult			no unico	2,101.00	2,107.30

Project	1178.03	Glenn GWA - Colus	a Subbasin GS	SP Develop.	Invoice	5125
				Total this Su	b-Task	\$2,167.50
				Total thi	s Task	\$9,316.75
<b></b> - Task	07.00	Well Monitoring Pilot P				
Sub-Task	DE.00	Davids Engineering, In				
Profession	al Personnel					
			Hours	Rate	Amount	
Senior	Project Assistant					
Davids, Kris	sti	3/3/2022	1.00	105.00	105.00	
	contracting issues d	iscussion, project support				
Davids, Kris	ti	3/4/2022	.25	105.00	26.25	
	contract support					
Davids, Kris	ti	3/23/2022	.25	105.00	26.25	
	Project support, acc	ounting				
Davids, Kris	ti	3/24/2022	.25	105.00	26.25	
	project support					
Davids, Kris	ti	3/25/2022	.25	105.00	26.25	
	project support					
	te Engineer II					
Alexander, N	and have not called the	3/9/2022	1.00	186.00	186.00	
		anch Systems on pilot proje	ect expansion.			
	te Engineer I					
Klug, Kather		3/9/2022	.50	175.00	87.50	
		expansion equipment with				
Klug, Kather		3/15/2022	1.00	175.00	175.00	
	reviewing WMPP ap the list	plicant information and add	ling Round 1 C	CGA sites to		
Klug, Kather	ine	3/17/2022	.50	175.00	87.50	
	Colusa WMPP expan	nsion coordination				
Klug, Kather		3/23/2022	.50	175.00	87.50	
	preparing WMPP pu WMPP expansion	rchase order for Ranch Sy	stems; coordin	ating		
Klug, Katheri	ine	3/24/2022	.25	175.00	43.75	
	preparing WMPP pur WMPP expansion	rchase order for Ranch Sys	stems; coordin	ating		
Klug, Katheri		3/25/2022	.25	175.00	43.75	
- the	coordinating WMPP					
	Totals		6.00		921.00	
	Total Labo	r				921.00
				Total this Sub	-Task	\$921.00
				Total this	Task	\$921.00
						<i>ψ32</i> 1.00
				Total this P	roject	\$18,339.00
					eport	

# INVOICE

From

ERA Economics, LLC 1111 Kennedy Place, Suite 4

Davis, CA 95616 530,341,3374

Invoice ID	DE20f.14	Invoice For	Davids Engineerin	ng
Issue Date	04/05/2022		1772 Picasso Avenue, Davis CA 95618	Suite A
Due Date	05/05/2022 (Net 30)		Davis CA 95018	
Subject	Colusa Subbasin GSP			
Description		0	II-to Dates	ind
Description		Quantity	Unit Price	Amount
Review / Dunca	Subbasin GSP - 03/01/2022 - Task 4: Funding Mechanisms an MacEwan: Meeting with Eugene; meeting with Brooks; review develop PMA study costs summary; presentation materials	2.75	\$185.00	\$508.75

[DE20f] Colusa Subbasin GSP - 03/01/2022 - Task 4: Funding Mechanisms Review / Eugene Binunsky: Created list of rate studies to summarize for Colusa presentation,	2.50	\$100.00	\$250.00
[DE20f] Colusa Subbasin GSP - 03/01/2022 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - GIS Data organization - Data merge with Admin costs	4.00	\$135.00	\$540.00
[DE20f] Colusa Subbasin GSP - 03/02/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Brooks re: GIS data; GSP cost data summary; cost allocation approaches; ppt materials and content; misc coordination	2.00	\$185.00	\$370.00
[DE20f] Colusa Subbasin GSP - 03/02/2022 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - Edits to GIS work - New cost tables	2.00	\$135.00	\$270.00
[DE20f] Colusa Subbasin GSP - 03/03/2022 - Task 4: Funding Mechanisms Review / Eugene Binunsky: Added to list of rate studies for Colusa presentation. Summarized Prop 218 costs for GSP Implementation.	1.00	\$100.00	\$100.00
[DE20f] Colusa Subbasin GSP - 03/03/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: ppt; cost allocation approaches; work with brooks on options, review, edit, analysis; call with steve; review GSP costs; review other GSAs	4.00	\$185.00	\$740.00
[DE20f] Colusa Subbasin GSP - 03/03/2022 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - Cost allocations workbook	3.00	\$135.00	\$405.00

[DE20f] Colusa Subbasin GSP - 03/03/2022 - Task 4: Funding Mechanisms 2.00 Review / Stephen Hatchett: Board presentation

[DE20f] Colusa Subbasin GSP - 03/04/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Board presentation \$450.00

\$450.00

\$225.00

\$225.00

2.00

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[DE20f] Colusa Subbasin GSP - 03/04/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Prep powerpoint; review with Steve; develop/refine cost allocation examples; coordinate with brooks for anlayiss	3.00	\$185.00	\$555.00
[DE20f] Colusa Subbasin GSP - 03/04/2022 - Task 4: Funding Mechanisms Review / Eugene Binunsky: Created table with Prop 218 assessments for various GSP's in different development stages.	0.50	\$100.00	\$50.00
[DE20f] Colusa Subbasin GSP - 03/07/2022 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - Cost allocation presenation work - Pairing to new spatial data - Making maps	3.50	\$135.00	\$472.50
[DE20f] Colusa Subbasin GSP - 03/07/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Develop ppt presentation; review internally; work with brooks to develop and refine cost allocation approaches and figures; respond to DE comments	3.00	\$185.00	\$555.00
[DE20f] Colusa Subbasin GSP - 03/07/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Review slides	1.00	\$225.00	\$225.00
[DE20f] Colusa Subbasin GSP - 03/08/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Review/edit slides	2.00	\$225.00	\$450.00
[DE20f] Colusa Subbasin GSP - 03/08/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: review/edit slides; send to client	1.50	\$185.00	\$277.50
[DE20f] Colusa Subbasin GSP - 03/10/2022 - Task 4: Funding Mechanisms Review / Brooks Ronspies: - Figure revise - KML files	1.50	\$135.00	\$202,50
[DE20f] Colusa Subbasin GSP - 03/10/2022 - Task 4: Funding Mechanisms Review / Stephen Hatchett: Review presentation; meeting in Maxwell	3.00	\$225.00	\$675.00
[DE20f] Colusa Subbasin GSP - 03/10/2022 - Task 4: Funding Mechanisms Review / Duncan MacEwan: Presentation and associated nonsense	3.00	\$185.00	\$555.00

Amount Due \$8,101.25

Notes

Colusa Subbasin Groundwater Sustainability Plan Davids Engineering PROJECT NUMBER: 1178.03

ERA work performed 3/1/22 - 3/31/22.

Budget Summary:

Task 4: Funding Mechanisms Review This invoice: \$8,101.25



Remit Payment To: PO Box 2158 Davis, CA 95617

	Invoice Number:	March 25, 2022 2048755
Mr. Grant Davids	Client Project:	Project No. 1178.03
Davids Engineering, Inc.	WY Project No:	277-60-20-11
1772 Picasso Avenue., Suite A	Contract Amount:	375,611.75
Davis, CA 95618	Job Name:	Colusa Subbasin GSP Preparation

#### Professional Services from February 26, 2022 to March 25, 2022

Previously Billed :	363,898.37
Total This Period :	2,167.50
Total Amount Billed to Date including This Invoice :	366,065.87
Amount Remaining in Contract :	9,545.88

Task	011	Hydrogeologic Investigat	ion			
Professional	Personnel					
			Hours	Rate	Amount	
Principa	l Eng/Scientist/Ge	ologist II	7.50	289.00	2,167.50	
	Totals		7.50		2,167.50	
	Total La	bor				2,167.50
			Total this Task		is Task	\$2,167.50
				Total this I	nvoice	\$2,167.50

Project	277-60-20-11	Colusa Subbasin GSP Preparation	Invoice	2048755
Description	of Services:			
Task 1. No a	activity.			
Task 2. No a	activity.			
Task 3. No a	activity.			
Task 4. No a	activity.			
Task 5. No a	activity.			
Task 6. No a	activity.			
Fask 7. No a	activity.			
ľask 8. No a	ctivity.			
Fask 9. No a	ctivity.			
Fask 10. No	activity.			
	ticipated in March 11, n work plan. Assessed p	2022 Joint TAC meeting. Prepared land subside proposed AEM lines.	nce section of hydro	geologic

Task 12. No activity.

Project	277-60-20-11 Colusa	Subbasin GSP Prepa	aration	Invoice	2048755	
Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining	
001	Data Collection and Analysis	21,976.00	0.00	21,976.00	0.00	
002	Monitoring Protocols	6,455.00	0.00	6,455.00	0.00	
003	Data and Reporting Standards	9,451.00	0.00	9,451.00	0.00	
004	Data Management System	5,000.00	0.00	4,999.00	1.00	
005	GSP Administrative Information	21,949.00	0.00	21,949.00	0.00	
006	Basin Setting	23,017.00	0.00	22,988.00	29.00	
007	Sustainable Management Criteria	61,318.00	0.00	61,270.50	47.50	
800	Monitoring Network	72,908.00	0.00	72,878.00	30.00	
009	Projects and Management Actions	7,500.00	0.00	7,493.50	6.50	
010	GSP Document Preparation and Adoption	65,278.00	0.00	65,202.37	75.63	
011	Hydrogeologic Investigation	75,759.75	2,167.50	71,403.50	4,356.25	
012	GDE Evaluation	5,000.00	0.00	0.00	5,000.00	
AYW	West Yost Tracking Only	0.00	0.00	0.00	0.00	
TOTAL		375,611.75	2,167.50	366,065.87	9,545.88	

Please direct questions to:

Kenneth Loy Lindsay Smith Project Manager Principal

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Project	277-60-20-11	Colusa Subbasin GSP Preparation		Invoice	2048755	
Billing Backup Friday, April 1, 2022						
West Yost Associates, Inc.		Invoice 2048755 Dated 3/25/2022				2:11:19 PM
Task	011	Hydrogeologic Investigation				
Professional Personnel						
			Hours	Rate	Amoun	t
Principal Eng/Scientist/Geologist II						
25 - Loy, Ke	nneth	3/11/2022	2.50	289.00	722.50	)
Prepared for and participated in Colusa Subbasin TAC meeting.						
25 - Loy, Ke	nneth	3/21/2022	2.00	289.00	578.00	)
Developed HG Investigation Work Plan.						
25 - Loy, Ke		3/24/2022	2.00	289.00	578.00	)
Participated in call with CGA and GGA staff. Developed plan for installing land subsidence benchmarks.						
25 - Loy, Kei	nneth	3/25/2022	1.00	289.00	289.00	)
Assessed AEM lines.						
Totals		7.50		2,167.50	)	
Total Labor						2,167.50
				Total this Task \$2,167.50		\$2,167.50
				Total this Project		\$2,167.50
				Total this	Report	\$2,167.50