

Name of Project: Groundwater Services

## SOLANO COUNTY WATER AGENCY

### AGREEMENT FOR PROFESSIONAL SERVICES (*Professional Services/Contractor*)

THIS AGREEMENT, effective July 1, 2023, is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and Luhdorff & Scalmanini Consulting Engineers, hereinafter referred to as "Contractor."

The Agency requires services for Groundwater Services; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

#### 1. SCOPE OF SERVICES

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services for Groundwater Services, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations. In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

#### 2. COMPENSATION

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit B **not to exceed \$288,910** for all work contemplated by this Agreement.

#### 3. METHOD OF PAYMENT

Payment for services will be approved by the Agency's representative only if all contract requirements have been met.

Invoices must be submitted monthly, and upon approval of the Agency's representative, the Agency shall pay the Contractor monthly in arrears for fees and allowed expenses incurred the prior month. Invoices that are over 6 months old will not be approved or paid by the Agency. **In no event shall the cumulative total paid pursuant to this agreement exceed the maximum amount provided for in paragraph 2 of this Agreement.**

Every invoice shall specify hours worked for each task identified in Exhibit A undertaken. To be approved by payment, any allowed reimbursable expenses will need supporting written documentation such as receipts and mileage logs.

Each invoice shall be accompanied by a spreadsheet showing, by month, costs incurred to date for the project broken down by the Tasks identified in Exhibit A. The spreadsheet shall show, for each task, budget amounts, total expended and remaining amounts. The spreadsheet shall show a subtotal for

each fiscal year covered by the contract. Any amendments to the contract shall be listed and incorporated into spreadsheet. An example of a typical spreadsheet shall be provided by the Agency.

4. **TIME OF PERFORMANCE**

This Agreement shall become effective as of the date it is executed and said services will take place between this date and **June 30, 2024**, as directed by the Agency.

5. **MODIFICATION AND TERMINATION**

This Agreement may be modified or amended only by written instrument signed by the parties hereto, and the Contractor's compensation and time of performance of this Agreement shall be adjusted if they are materially affected by such modification or amendment.

*(Note: this paragraph is optional)* Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion be approved in advance, in writing, by the Agency's General Manager.

This Agreement may be terminated by the Agency at any time, without cause, upon written notification to the Contractor. The Contractor may terminate this Agreement upon 30 days written notice to Agency.

Following termination by the Agency or the Contractor, the Contractor shall be reimbursed for all expenditures made in good faith in accordance with the terms of this Agreement that are unpaid at the time of termination.

6. **PERMITS** *(Note: include only if permits are required)*

Permits required by governmental authorities will be obtained at the Contractor's expense, and the Contractor will comply with local, state and federal regulations and statutes including Cal/OSHA requirements.

7. **INDEMNIFY AND HOLD HARMLESS**

*To the extent permitted by law, Contractor shall hold harmless, defend at its own expense, and indemnify Solano County Water Agency, its directors, officers, employees, and authorized volunteers, against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees and costs, arising from all acts or omissions of Contractor or its officers, agents, or employees in rendering services under this contract; excluding, however, such liability, claims, losses, damages or expenses arising Solano County Water Agency's sole negligence or willful acts.*

8. **INSURANCE**

**Minimum Insurance Requirements:** Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Contractor, his agents, representatives, employees or sub-contractors.

**Coverage** - Coverage shall be at least as broad as the following:

1. **Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage,

bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to Solano County Water Agency) or the general aggregate limit shall be twice the required occurrence limit.

2. **Automobile Liability** – (if necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) or if Contractor has no owned autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
3. **Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Solano County Water Agency, its elected or appointed officers, officials, agents, authorized volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not the Solano County Water Agency has received a waiver of subrogation from the insurer.

If the Contractor maintains broader coverage and/or higher limits than the minimums shown above, the Solano County Water Agency requires and shall be entitled to the broader coverage and/or higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Solano County Water Agency.

**Other Required Provisions** - The general liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** Solano County Water Agency, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 01), with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations.
2. **Primary Coverage:** For any claims related to this project, the Contractor's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the Solano County Water Agency, its directors, officers, employees and authorized volunteers. Any insurance or self-insurance maintained by the Solano County Water Agency its directors, officers, employees and authorized volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

**Notice of Cancellation:** Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Solano County Water Agency.

**Self-Insured Retentions** - Self-insured retentions must be declared to and approved by the Solano County Water Agency. The Solano County Water Agency require the Contractor to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or Solano County Water Agency.

**Acceptability of Insurers** - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or as otherwise approved by Solano County Water Agency.

**Verification of Coverage** – Contractor shall furnish the Solano County Water Agency with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Solano County Water Agency before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor’s obligation to provide them. The Solano County Water Agency reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages.

**Sub-contractors** - Contractor shall require and verify that all sub-contractor maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that Solano County Water Agency its directors, officers, employees, and authorized volunteers are an additional insured are an additional insured on Commercial General Liability Coverage.

9. **COMPLIANCE WITH LAW**

The Contractor shall be subject to and comply with all federal, state and local laws and regulations applicable with respect to its performance under this Agreement, including but not limited to, licensing, employment and purchasing practices; and wages, hours and conditions of employment.

10. **RECORD RETENTION**

Except for materials and records, delivered to the Agency, the Contractor shall retain all materials and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three years after the Contractor's receipt of the final payment under this Agreement. Upon request by the Agency, the Contractor shall make such materials and records available to the Agency at no additional charge and without restriction or limitation to State and federal governments at no additional charge.

11. **OWNERSHIP OF DOCUMENTS**

All materials and records of a finished nature, such as final plans, specifications, reports and maps, prepared or obtained in the performance of this Agreement, shall be delivered to and become the property of the Agency. All materials of a preliminary nature, such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this Agreement, shall be made available, upon request, to the Agency at no additional charge and without restriction or limitation on their use.

12. **SUBCONTRACT AND ASSIGNMENT**

This Agreement binds the heirs, successors, assigns and representatives of the Contractor. The Contractor shall not enter into subcontracts for any work contemplated under this Agreement and shall not assign this Agreement or monies due or to become due, without the prior written consent of the General Manager of the Agency or his designee, subject to any required state or federal approval. *(Note: list any subcontractors here)*

13. **NONRENEWAL**

The Contractor understands and agrees that there is no representation, implication, or understanding that the services provided by the Contractor under this Agreement will be purchased by the Agency under a new agreement following expiration or termination of this Agreement, and waives all rights or

claims to notice or hearing respecting any failure to continue purchase of all or any such services from the Contractor.

14. **NOTICE**

Any notice provided for herein are necessary to the performance of this Agreement and shall be given in writing by personal delivery or by prepaid first-class mail addressed as follows:

AGENCY

CONTRACTOR

Chris Lee, General Manager  
Solano Subbasin Groundwater Sustainability Agency  
810 Vaca Valley Parkway, Suite 203  
Vacaville, CA 95688

Vicki Kretsinger Grabert, President  
500 First Street  
Woodland, CA 95695

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The parties have executed this Agreement the day and year first above written. If the Contractor is a corporation, documentation must be provided that the person signing below for the Contractor has the authority to do so.

Solano County Water Agency  
a Public Agency

Luhdorff & Scalmanini Consulting Engineers

By: \_\_\_\_\_  
Chris Lee  
General Manager

By: \_\_\_\_\_  
Vick Kretsinger Grabert,  
President

**FOR SCWA USE ONLY**

Contract Period: July 1, 2023 to June 30, 2024  
File Number: AG-L-4  
Account Manager: C.Lee  
G/L Account #: 6611AC  
Job Cost #: 1704  
Contract Type: Professional Services

**EXHIBIT A**  
**SCOPE OF SERVICES**



March 22, 2023  
File No. 23-1-045

Mr. Chris Lee  
Interim General Manager  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 203  
Vacaville, CA 95688

**SUBJECT: 2023-2024 Groundwater Services – Solano County Water Agency**

Dear Mr. Lee:

In response to your request, Luhdorff & Scalmanini, Consulting Engineers (LSCE) is pleased to provide this letter describing groundwater management assistance to be completed during Fiscal Year 2023-2024 spanning July 1, 2023 through June 30, 2024 to address needs related to groundwater management in Solano County and the Solano Subbasin. This scope provides support to the Solano County Water Agency (SCWA) in augmenting and coordinating with groundwater management efforts led by the Solano Subbasin Groundwater Sustainability Agency Collaborative (Solano Collaborative) occurring as part of implementation of the Solano Subbasin Groundwater Sustainability Plan (GSP).

This scope of work describes the following tasks:

- Task 1: Tracking of Local Groundwater and Interconnected Surface Water Conditions
- Task 2: Data Management System Maintenance and Data Visualization
- Task 3: Evaluation and Improvements to Data for Consumptive Use and Applied Surface Water
- Task 4: Well Inventory
- Task 5: Stormwater Management and Enhanced Recharge Projects Technical Support
- Task 6: On-Call Groundwater Management Technical Assistance

**Task 1: Tracking of Local Groundwater and Interconnected Surface Water Conditions**

LSCE will perform ongoing evaluation of the occurrence and causes related to localized groundwater level declines in the northwestern part of the Solano Subbasin. The Northwest Focus Area was identified in the Solano Subbasin GSP as an area of special interest and attention because of declines in groundwater levels that have occurred over the historical base period evaluated in the GSP. This task will include coordination with Yolo Subbasin on efforts to understand changes in land use conditions and water demands in the area of northwestern Solano Subbasin and southeastern Yolo Subbasin and how any changing water demands may relate to changing groundwater levels in the Northwest Focus Area. LSCE will also provide technical support and coordination with the Dixon and Solano Resource

MR. CHRIS LEE  
Interim General Manager

MARCH 22, 2023  
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Conservation Districts (RCDs) on targeted outreach related to potential recharge opportunities in the northwestern part of the Solano Subbasin. Continued evaluation of groundwater conditions in the Northwest Focus Area is highlighted in the Solano Subbasin GSP as a key interest in the Subbasin and understanding conditions (i.e., hydrogeologic, land use, water supply) associated with groundwater level declines in this part of the Subbasin and is critical for maintaining sustainable groundwater management and avoiding undesirable results in the Subbasin.

Monitoring groundwater conditions as they relate to surface water depletions and groundwater dependent ecosystems is a key part of ensuring groundwater sustainability in the Solano Subbasin. This task includes performing updates to monitoring data from shallow wells in the vicinity of Putah Creek and analysis of monitoring data related to surface water-groundwater interactions. New dedicated monitoring wells were installed along Putah Creek and also near Lindsey Slough in 2021 and 2022 through Technical Support Services (TSS) provided by DWR. These TSS wells were installed to fill data gaps in the GSP monitoring and are planned for inclusion in the GSP representative monitoring sites (RMS) network. Monitoring in these wells will complement monitoring data from shallow seepage monitoring wells installed along the Creek in 2020 to support understanding of groundwater conditions as they relate to seepage from Putah Creek. Because of the dynamically changing nature of groundwater-surface water interactions along Putah Creek, review and assessment of conditions related to groundwater-surface water interconnectivity in this area of the Subbasin are very important.

This task will also include support related to implementing additional monitoring along Putah Creek east of Stevenson's Bridge Road and coordination of efforts to identify additional ISW monitoring sites and consideration of opportunities for engaging support from DWR through DWR's TSS program.

## **Task 2: Data Management System Maintenance and Data Visualization**

A groundwater data management system (DMS) has been maintained by SCWA for use in tracking groundwater conditions in the County and in Solano Subbasin. This DMS was used during development of the Solano Subbasin GSP and maintaining a DMS is a requirement of the Sustainable Groundwater Management Act (SGMA) and is described in the Solano Subbasin GSP. This task includes maintaining the existing DMS in a cloud environment to satisfy the security, data backup, and other performance needs for storing critical data for analysis and reporting related to the GSP implementation and other groundwater management activities in Solano County. Task 2 also includes continuing ongoing DMS maintenance and data visualization and interactivity development to support the dissemination of key information on groundwater conditions in Solano County, including in the Solano Subbasin, to water resources managers and the public. Additional DMS and data visualization may occur and would be coordinated with Solano Subbasin GSA.

## **Task 3: Evaluation and Improvements to Data for Consumptive Use and Applied Surface Water**

This task will involve review and acquisition of data available from ground-based ET sensors (CIMIS or private data) for use in identifying an appropriate algorithm of OpenET data for estimating consumptive



use of water. LSCE will coordinate with local RCDs and the Irrigated Lands Regulatory Program (ILRP) to assemble local data on ET, land use, and cropping for relating to OpenET data. Task 3 will include continued desktop inventory of surface water points of diversion, place of use, and time-series diversion volumes in the Solano Subbasin and Solano County. The diversion inventory steps will be completed in coordination with efforts occurring by Solano County and will include implementing diversion inventory workplan steps previously developed. LSCE will develop maps and GIS feature datasets representing surface water points of diversion and places of use mapped during initial desktop diversion inventory. The task will include conducting comparisons of total consumptive use, applied surface water, and refined irrigation well locations (developed through completion of well inventory tasks and other tasks coordinated with the Solano Subbasin GSA) to estimate irrigated areas utilizing groundwater based on the initial data products developed through this task. These comparisons will highlight areas of uncertainty or interest in the existing data for further investigation.

#### **Task 4: Well Inventory**

Task 4 will include expanding the desktop inventory of likely active well locations and characteristics (e.g., type, depth, screened interval, age) in key areas of the County, including in the Northwest Focus Area and other areas of interest. A well inventory was a potential Project and Management Action noted in the Solano Subbasin GSP and will improve understanding and managing groundwater resources in the Solano Subbasin and Solano County. The task will be completed in coordination with efforts occurring by Solano County and will include implementing well inventory workplan steps previously developed.

During completion of Task 4 LSCE will develop maps and GIS feature datasets representing likely active wells mapped during the initial desktop inventory. These well information data will be used to compare with estimates of total consumptive use and applied surface water estimates (developed through completion of surface diversion inventory task and other tasks coordinated with the Solano Subbasin GSA) to assess irrigated areas utilizing groundwater. The comparisons will identify areas of uncertainty or interest for further investigation.

#### **Task 5: Stormwater Management and Enhanced Recharge Projects Technical Support**

This task will involve providing technical support in planning efforts related to implementation of stormwater management projects, enhanced recharge projects, and multi-benefit projects to mitigate local flooding and drainage issues and enhance recharge of the groundwater system in Solano County, including in the Northwest Focus Area of the Solano Subbasin. The task includes continued development of maps and other outreach materials to support exploration of project concepts; compilation, refinement, and assessment of key datasets on hydrogeology, groundwater and surface water conditions, water infrastructure, and other key project planning considerations for evaluating project potential and feasibility. Technical support will also consist of coordination with local entities responsible for water management in the County, including with activities associated with the Solano County One-Water Framework planning currently underway.

MR. CHRIS LEE  
Interim General Manager

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## Task 6: On-Call Groundwater Management Technical Assistance

Through this task, LSCE will provide technical assistance, as requested, to support groundwater management efforts, including efforts related to implementation of SGMA and the Solano Subbasin GSP. Services may include:

- Participation in stakeholder meetings and preparatory meetings in advance of stakeholder meetings
- Continued development of maps and other outreach materials to support stakeholder education and engagement efforts as part of facilitation services led by others
- Other groundwater-related technical assistance as needed

## Cost Estimate

**Table 1** details the estimated cost for the recommended activities proposed in Tasks 1 through 6. The estimated cost to complete these tasks is \$288,910. These tasks are recommended to ensure sustainable conditions in Solano County and Solano Subbasin are maintained and to support ongoing improvements to the understanding of groundwater conditions and engagement with stakeholders that will benefit long-term management. Funding requests to support efforts associated with Tasks 1 through 5 were included in the DWR Proposition 68 Round 2 GSP implementation grant application submitted in December 2022. Although the draft grant award announcements are not anticipated until June 2023 or later, the initiation of these tasks during Fiscal Year 2023-2024, which represent early steps in completion of the broader tasks described in the grant application, will greatly benefit the Subbasin's GSP implementation efforts, and should be considered.

The current LSCE Schedule of Fees is enclosed for your reference. In the event that SCWA requests out-of-scope work and additional funds are needed to complete the task(s), SCWA will be contacted before proceeding with further work.

If you have any questions, or wish to discuss any of the above, we would be pleased to respond.

Sincerely,

LUHDORFF & SCALMANINI  
CONSULTING ENGINEERS



Nick Watterson, PG, CHG  
Principal Hydrogeologist



Vicki Kretsinger Grabert  
Senior Principal Hydrologist

Enclosures:

Table 1 – Cost Estimate  
LSCE Schedule of Fees

**EXHIBIT B**

**RATE OF COMPENSATION**

Table 1

Cost Estimate: Groundwater Services — Solano County Water Agency --Fiscal Year 2023-2024

Task Description		Hours						Cost			
		Sr. Prin. Hydrol.	Prin. Hydrogeologist	Pjt. Hydro./ Geol.	Staff Hydro./ Geol.	GIS/ Data Tech.	Clerical	LSCE	Outside Services <sup>1</sup>	Subtask	Task
Billing Rate (\$/hr)		\$247	\$236	\$170	\$160	\$145	\$100				
<b>Task 1 – Tracking of Local Groundwater and Interconnected Surface Water Conditions</b>											
<b>Task 1.1</b>	Ongoing updates and analysis of surface water/groundwater data from dedicated SGMA MWs and Other MWs in vicinity of Putah Creek.	16	24	40				\$16,416		\$16,416	
<b>Task 1.2</b>	Coordination related to implementing additional monitoring along Putah Creek east of Stevenson's Bridge Road; includes support and coordination in identifying additional monitoring sites and consideration of collaboration opportunities through DWR's TSS program.	24	24	40				\$18,392		\$18,392	
<b>Task 1.3</b>	Tracking of groundwater conditions in the Northwest Focus Area. Conduct ongoing evaluation of occurrence and causes of localized groundwater level declines. Coordination with Yolo Subbasin; coordinate with Dixon and Solano RCDs on targeted actions and potential recharge opportunities.	16	24	40				\$16,416		\$16,416	
<b>Task Total</b>											<b>\$51,224</b>
<b>Task 2 – Data Management System Maintenance and Data Visualization (to be coordinated with Solano Subbasin GSA scope activities)</b>											
<b>Task 2.1</b>	Continue ongoing DMS maintenance and data visualization development to support the dissemination of key information on groundwater conditions in Solano County, including in the Solano Subbasin, to water resources managers and the public. Additional DMS and data visualization may occur and would be coordinated with Solano Subbasin GSA.	8	32	24		200		\$42,608		\$42,608	
<b>Task Total</b>											<b>\$42,608</b>
<b>Task 3 – Evaluation and Improvements to Data for Consumptive Use and Applied Surface Water (to be coordinated with Solano Subbasin GSA scope activities)</b>											
<b>Task 3.1</b>	Review and acquisition of data available from ground-based ET sensors (CIMIS or private data) for use in identifying appropriate algorithm of OpenET data for estimating consumptive use of water. Coordination with RCDs and ILRP program to assemble local data on ET, land use, and cropping for relating to OpenET data.		12	40				\$9,632		\$9,632	
<b>Task 3.2</b>	Continued desktop inventory of SW points of diversion, place of use, and time-series diversion volumes in the Solano Subbasin and Solano County. The task will be completed in coordination with efforts occurring by Solano County and will include implementing diversion inventory workplan steps previously developed.	4	20	120	40			\$32,508		\$32,508	
<b>Task 3.3</b>	Develop maps and GIS feature datasets representing SW points of diversion and places of use mapped during initial desktop diversion inventory. Compare total consumptive use, applied SW, and refined irrigation well locations (developed through completion of well inventory tasks and other tasks included in the Solano Subbasin GSA scope) to estimate irrigated areas utilizing groundwater. Identify areas of uncertainty and/or for further investigation.	4	10	40	40			\$16,548		\$16,548	
<b>Task Total</b>											<b>\$58,688</b>

**Table 1**

**Cost Estimate: Groundwater Services — Solano County Water Agency --Fiscal Year 2023-2024**

Task Description		Hours					Cost				
		Sr. Prin. Hydrol.	Prin. Hydrogeologist	Pjt. Hydro./ Geol.	Staff Hydro./ Geol.	GIS/ Data Tech.	Clerical	LSCE	Outside Services <sup>1</sup>	Subtask	Task
Billing Rate (\$/hr)		\$247	\$236	\$170	\$160	\$145	\$100				
<b>Task 4 – Well Inventory</b>											
<b>Task 4.1</b>	Expanding desktop inventory of likely active well locations and characteristics (e.g., type, depth, screened interval, age) in key areas of the County, including in the NW Focus Area and other areas of interest. A well inventory was a potential PMA noted in the Solano Subbasin GSP and will improve understanding and managing GW resources in the Solano Subbasin and Solano County. The task will be completed in coordination with efforts occurring by Solano County and will include implementing well inventory workplan steps previously developed.	12	40	80	200			\$58,004		\$58,004	
<b>Task 4.2</b>	Develop maps and GIS feature datasets representing likely active wells mapped during the initial desktop inventory. Compare well information with estimates of total consumptive use and applied SW estimates (developed through completion of surface diversion inventory task and other tasks included in the Solano Subbasin GSA scope) to assess irrigated areas utilizing groundwater. Identify areas of uncertainty and/or for further investigation.	4	10	20	80			\$19,548		\$19,548	
<b>Task Total</b>											<b>\$77,552</b>
<b>Task 5 – Stormwater Management and Enhanced Recharge Projects Technical Support</b>											
<b>Task 5.1</b>	Providing technical support in planning efforts related to implementation of stormwater management projects, enhanced recharge projects, and multi-benefit projects to mitigate local flooding and drainage issues and enhance recharge of the groundwater system in Solano County, including in the NW Focus Area of the Solano Subbasin. Includes continued development of maps and other outreach materials to support exploration of project concepts; compilation, refinement, and assessment of key datasets on hydrogeology, groundwater and surface water conditions, water infrastructure, and other key project planning considerations for evaluating project potential and feasibility. Coordination with local entities responsible for water management in the County, including with activities associated with the Solano County One-Water Framework planning currently underway.	40	80	80		40		\$48,160		\$48,160	
<b>Task Total</b>											<b>\$48,160</b>
<b>Task 6 – On-Call Groundwater Management Technical Assistance</b>											
<b>Task 6.1</b>	Performing on-call tasks as requested, including continued development of maps and other outreach materials to support stakeholder education and engagement efforts, participation in meetings, and other tasks.	18	12	20				\$10,678		\$10,678	
<b>Task Total</b>											<b>\$10,678</b>
<b>Totals</b>		146	288	544	360	240	0	<b>\$288,910</b>	<b>\$0</b>		<b>\$288,910</b>

1. Includes outside services fee of 5%.

Note: As in previous years, the direct contract between SCWA and UNAVCO for ongoing maintenance, data management, and reporting related to the two CORS subsidence monitoring stations is not included in this budget but should be included in SCWA's annual budget for the coming fiscal year.





500 FIRST STREET • WOODLAND, CA 95695

## 2023 SCHEDULE OF FEES ENGINEERING AND RELATED FIELD SERVICES

### Professional\*

Senior Principal .....	\$247/hr.
Principal Professional.....	\$236/hr.
Supervising Professional .....	\$228/hr.
Senior Professional .....	\$190 to 210/hr.
Project Professional .....	\$165 to 175/hr.
Staff Professional .....	\$145 to 160/hr.

### Technical

Engineering Inspector .....	\$145/hr.
ACAD DMS/GIS.....	\$145/hr.
Engineering Assistant.....	\$120 to 145/hr.
Scientist.....	\$120 to 145/hr.
Technician.....	\$120 to 145/hr.

### Project Admin Support

Word Processing, Clerical.....	\$94/hr.
Digital Communications Specialist .....	\$105/hr.
Project Admin/Accounting Assistant .....	\$110/hr.

Vehicle Use	\$0.655/mi(or curr. IRS rate)
Subsistence	Cost Plus 15%
Groundwater Sampling Equipment (Includes Operator)	\$170.00/hr
Copies	\$0.20 ea.
Professional or Technical Testimony	200% of Regular Rates
Technical Overtime (if required)	150% of Regular Rates
Outside Services/Rentals	Cost Plus 15%
Services by Associate Firms	Cost Plus 15%

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\* Engineer, Geologist, Hydrogeologist, and Hydrologist