



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
6000 J Street
Sacramento, CA 95819

July 25, 2023

Paul Oberbauer
Engineering Manager, PE
Sweetwater Authority
505 Garrett Avenue
Chula Vista, CA 91910

Dear Paul Oberbauer:

Attached is the Joint Funding Agreement (JFA) 24ZGJFA07000059, signed by our agency, for your approval to enact the cost changes to the project(s) California Water Science Center Water Resources Investigations, during the period October 1, 2023 through September 30, 2024 in the amount of \$216,810 from your agency. U.S. Geological Survey contributions for this agreement are \$7,340 for a combined total of \$224,150. If you are in agreement with this proposed program, please return the fully executed signed copy to CAgageADMIN@usgs.gov (preferred) or send one fully executed paper copy to Cade Castro at the address in the letter head.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **October 1, 2023**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact R. Scott Patterson by phone number (858) 679-4015 or email rspatter@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Cade Castro at phone number (970) 462-2034 or email at ccastro@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Anke Mueller-Solger
Director, USGS California Water Science Center

Enclosure
Detailed Summary

**Form 9-1366
(May 2018)**

**U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resource Investigations**

**Customer #: 600000969
Agreement #: 24ZGJFA07000059
Project #: ZG00GZV
TIN #: 95-2759399**

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the October 1, 2023, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Sweetwater Authority party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation Water Resource Investigations (per attachment), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$7,340 by the party of the first part during the period October 1, 2023 to September 30, 2024
- (b) \$216,810 by the party of the second part during the period October 1, 2023 to September 30, 2024
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (<https://www2.usgs.gov/fsp/>).

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR

Customer #: 600000969
Agreement #: 24ZGJFA07000059
Project #: ZG00GZV
TIN #: 95-2759399

Water Resource Investigations

9. Billing for this agreement will be rendered quarterly. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

USGS Technical Point of Contact

Name: R. Scott Patterson
Supervisory Hydrologic Technician
Address: 12110 Tech Center Drive
Poway, CA 92064
Telephone: (858) 679-4015
Fax: (858) 679-4019
Email: rspatter@usgs.gov

Customer Technical Point of Contact

Name: Paul Oberbauer
Engineering Manager, PE
Address: 505 Garrett Avenue
Chula Vista, CA 91910
Telephone: (619) 420-1413
Fax:
Email: poberbauer@sweetwater.org

USGS Billing Point of Contact

Name: Cade Castro
Budget Analyst
Address: 6000 J Street Placer Hall
Sacramento, CA 95819
Telephone: 970-462-2034
Fax:
Email: ccastro@usgs.gov

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Name: Paul Oberbauer
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Telephone: (619) 420-1413
Fax:
Email: poberbauer@sweetwater.org

U.S. Geological Survey
United States
Department of Interior

Sweetwater Authority

Signature

Signatures

By _____ Date: _____
Name: Anke Mueller-Solger
Title: Director, USGS California Water Science Center

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

Sweetwater Authority
Attachment for 24ZGJFA07000059
2023-10-01 to 2024-09-30

SURFACE WATER								
SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
11015000	SWEETWATER R NR DESCANSO CA Full Range Streamflow Station	QCONT	1	1	\$7,340	\$17,860		
				SW Total:				\$25,200
11016200	SWEETWATER R A DEHESA CA Full Range Streamflow Station	QCONT	1	1		\$26,300		
				SW Total:				\$26,300
				SW Grand Total:	\$7,340	\$44,160		\$51,500

GROUND WATER

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. OTHER CASH FUNDS	TOTAL COST
323527117050001	018S002W22E003S Groundwater level, Continuous	GWCONT	1	1		\$9,200	
				GW Total:			\$9,200
323527117050002	018S002W22E004S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323527117050003	018S002W22E005S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323527117050004	018S002W22E006S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323527117050005	018S002W22E007S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323528117031401	018S002W23G002S Groundwater level, Continuous	GWCONT	1	1		\$9,200	
				GW Total:			\$9,200
323528117031402	018S002W23G003S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323528117031403	018S002W23G004S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323528117031404	018S002W23G005S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323528117031405	018S002W23G006S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323659117033301	018S002W11P001S Groundwater level, Continuous	GWCONT	1	1		\$9,200	
				GW Total:			\$9,200
323659117033302	018S002W11P002S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323659117033303	018S002W11P003S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323659117033304	018S002W11P004S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323659117033305	018S002W11P005S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323659117033306	018S002W11P006S Groundwater level, Continuous	GWCONT	1	1		\$2,830	
				GW Total:			\$2,830
323808117060401	018S002W05J001S Groundwater level, Continuous	GWCONT	1	1		\$9,200	
				GW Total:			\$9,200
323808117060402	018S002W05J002S Groundwater level, Continuous	GWCONT	1	1		\$2,830	

					GW Total:	\$2,830
323808117060403	018S002W05J003S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323808117060404	018S002W05J004S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323808117060405	018S002W05J005S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323808117060406	018S002W05J006S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323915117055301	017S002W33D001S Groundwater level, Continuous	GWCONT	1	1	\$9,200	
				GW Total:		\$9,200
323915117055302	017S002W33D002S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323915117055303	017S002W33D003S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323915117055304	017S002W33D004S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323915117055305	017S002W33D005S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323932117050801	017S002W28R004S Groundwater level, Continuous	GWCONT	1	1	\$9,200	
				GW Total:		\$9,200
323932117050802	017S002W28R005S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323932117050803	017S002W28R006S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323932117050804	017S002W28R007S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323932117050805	017S002W28R008S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
323932117050806	017S002W28R009S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324055117064401	017S002W20F001S Groundwater level, Continuous	GWCONT	1	1	\$9,200	
				GW Total:		\$9,200
324055117064402	017S002W20F002S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324055117064403	017S002W20F003S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324055117064404	017S002W20F004S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324055117064405	017S002W20F005S					

	Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324116117050801	017S002W16Q009S Groundwater level, Continuous	GWCONT	1	1	\$9,200	
				GW Total:		\$9,200
324116117050802	017S002W16Q010S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324116117050803	017S002W16Q011S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324116117050804	017S002W16Q012S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
324116117050805	017S002W16Q013S Groundwater level, Continuous	GWCONT	1	1	\$2,830	
				GW Total:		\$2,830
				GW Grand Total:	\$172,650	\$172,650

SUMMARY FOR				
TYPE	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
SURFACE WATER (SW)	\$7,340	\$44,160		\$51,500
GROUND WATER (GW)		\$172,650		\$172,650
GRAND TOTAL				\$224,150