

# Board Contract Summary

BC \_\_\_\_\_

For use with Expenditure Contracts submitted to the Board for approval. Complete information below, print, obtain signature of authorized departmental representative, and submit this form, along with attachments, to the appropriate departments for signature. See also: *Auditor-Controller Intranet Policies->Contracts*.

D1.	Fiscal Year .....	FY 18-19
D2.	Department Name .....	Water Agency
D3.	Contact Person .....	Matt Scrudato
D4.	Telephone .....	x3582

K1.	Contract Type (check one): <input checked="" type="checkbox"/> Personal Service <input type="checkbox"/> Capital	
K2.	Brief Summary of Contract Description/Purpose.....	Joint Funding Agreement for a Cooperative Groundwater Program
K3.	Department Project Number.....	WA8207
K4.	Original Contract Amount.....	\$ 68,340
K5.	Contract Begin Date.....	11/1/18
K6.	Original Contract End Date .....	10/31/19
K7.	Amendment? (Yes or No).....	No
K8.	- New Contract End Date .....	N/A
K9.	- Total Number of Amendments .....	N/A
K10.	- This Amendment Amount.....	\$ N/A
K11.	- Total Previous Amendment Amounts.....	\$ N/A
K12.	- Revised Total Contract Amount .....	\$ N/A

B1.	Intended Board Agenda Date .....	11/16/18
B2.	Number of Workers Displaced (if any) .....	N/A
B3.	Number of Competitive Bids (if any).....	N/A
B4.	Lowest Bid Amount (if bid) .....	N/A
B5.	If Board waived bids, show Agenda Date.....	N/A
	and Agenda Item Number .....	N/A
B6.	Boilerplate Contract Text Changed? (If Yes, cite Paragraph).....	N/A

F1.	Fund Number .....	3050
F2.	Department Number.....	054
F3.	Line Item Account Number.....	7460
F4.	Project Number (if applicable) .....	WA8207
F5.	Program Number (if applicable) .....	3012
F6.	Org Unit Number (if applicable).....	N/A
F7.	Payment Terms.....	billed quarterly (net 60)

V1.	Auditor-Controller Vendor Number.....	003601
V2.	Payee/Contractor Name.....	DOI USGS
V3.	Mailing Address.....	P.O. Box 71362
V4.	City State (two-letter) Zip (include +4 if known).....	Philadelphia, PA 19176-1362
V5.	Telephone Number .....	(916) 278-3040
V6.	Vendor Contact Person.....	Tamara Seubert
V7.	Workers Comp Insurance Expiration Date .....	N/A
V8.	Liability Insurance Expiration Date .....	N/A
V9.	Professional License Number .....	
V10.	Verified by (print name of county staff).....	

V11 Company Type (Check one): ☐ Individual ☐ Sole Proprietorship ☐ Partnership ☐ Corporation

I certify information is complete and accurate; designated funds available; required concurrences evidenced on signature page.

Date: 9/24/18 Authorized Signature: Matt Scrudato

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

Customer#: 6000000816  
Agreement#: 19ZGJFA03910  
Project #: ZG00GZV  
TIN #: 95-6002833

Fixed Cost Agreement YES[ X ] NO[ ]

THIS AGREEMENT is entered into as of the November 1, 2018, by the U.S. GEOLOGICAL SURVEY, California Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the SANTA BARBARA COUNTY WATER AGENCY, 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 for cooperative water resources investigations in the Santa Barbara County area as outlined in the USGS program letter dated September 20, 2018 (Attachment A – Scope of Work), 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) \$30,900.00 by the party of the first part during the period  
November 1, 2018 to October 31, 2019
- (b) \$68,340.00 by the party of the second part during the period  
November 1, 2018 to October 31, 2019
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of : \$0.00

Description of the USGS regional/national program:  
*Not Applicable*

- (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/>).



Form 9-1366  
(May 2018)

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

Customer#: 6000000816  
Agreement#: 19ZGJFA03910  
Project #: ZG00GZV  
TIN #: 95-6002833

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: Ben Glass  
Supervisory Hydrologic Technician  
Address: 3130 Skyway Drive, Suite 602  
Santa Maria, CA 93455  
Telephone: (805) 928-9539  
Fax: (805) 928-9220  
Email: [brglass@usgs.gov](mailto:brglass@usgs.gov)

**Customer Technical Point of Contact**

Name: Thomas D. Fayram  
Deputy Public Works Director  
Address: 130 East Victoria Street, Suite 200  
Santa Barbara, CA 93101  
Telephone:  
Fax:  
Email:

**USGS Billing Point of Contact**

Name: Tamara Seubert  
Budget Analyst  
Address: Placer Hall 6000 J Street  
Sacramento, CA 95819  
Telephone: (916) 278-3040  
Fax: (916) 278-3070  
Email: [tseubert@usgs.gov](mailto:tseubert@usgs.gov)

**Customer Billing Point of Contact**


Name: Matthew C. Scrudato  
Senior Hydrologist  
Address: 130 East Victoria Street, Suite 200  
Santa Barbara, CA 93101  
Telephone: (805) 568-3542  
Fax:  
Email: [mscruda@cosbpw.net](mailto:mscruda@cosbpw.net)

U.S. Geological Survey  
United States  
Department of Interior

SANTA BARBARA COUNTY  
WATER AGENCY

Signature

See signatures on page 3

By  Date: 9/20/2018  
Name: Eric G. Reichard  
Title: Director, USGS California Water Science  
Center

Signature Page Continued – Page 3

SANTA BARBARA COUNTY WATER AGENCY

BY: \_\_\_\_\_  
Das Williams, Chair, Board of Directors

Date: \_\_\_\_\_

ATTEST:

APPROVED AS TO FORM:  
MONA MIYASATO  
County Executive Officer  
Ex Officio Clerk of the Board  
of Directors of the Santa Barbara  
County Water Agency

BY: \_\_\_\_\_  
Deputy Clerk

RECOMMENDED FOR APPROVAL:  
Santa Barbara County Water Agency

BY:  \_\_\_\_\_  
Scott D. McGolpin,  
Public Works Director

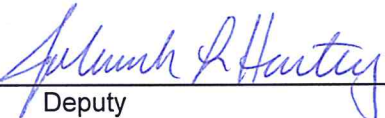
APPROVE AS TO ACCOUNTING FORM:  
THEODORE A. FALLATI, CPA  
AUDITOR-CONTROLLER

BY:  \_\_\_\_\_  
Deputy

APPROVE AS TO FORM:  
RAY AROMATORIO, ARM, AIC  
RISK MANAGER

BY:  \_\_\_\_\_  
Risk Manager

APPROVE AS TO FORM:  
MICHAEL C. GHIZZONI  
COUNTY COUNSEL

BY:  \_\_\_\_\_  
Deputy



## United States Department of the Interior

U.S. GEOLOGICAL SURVEY  
California Water Science Center  
6000 J Street, Placer Hall  
California State University  
Sacramento, California 95819-6129  
Phone: (916) 278-3000 Fax: (916) 278-3070  
<https://ca.water.usgs.gov>

September 20, 2018

Mr. Thomas D. Fayram, Deputy Director  
Santa Barbara County Department of Public Works  
Water Agency  
130 East Victoria Street, Suite 200  
Santa Barbara, California 93101

Dear Mr. Fayram:

This letter confirms discussions between the Santa Barbara County Water Agency (SBCWA) and the U.S. Geological Survey (USGS), concerning the continuation of the water resources program for the period November 1, 2018 to October 31, 2019. This program letter serves as "Attachment A" for Joint Funding Agreement (JFA) 19ZGJFA03910.

The proposed program for this period and associated costs are as follows:

**A. Groundwater Monitoring Program:**

**1. Water-quality monitoring (July)**

In 1981, a groundwater quality network was reestablished in selected basins of Santa Barbara County (List A). Water samples from 20 of the wells listed in the network will be collected annually, during the pumping season (in July), and analyzed for the constituents shown in List B. Twenty wells and four alternates are currently listed as sampling options for July groundwater sampling in List A.

**2. Seawater encroachment monitoring**

**a. Guadalupe Dunes (November)**

Four water samples from four different water-bearing zones from each of the two well groups known as Guadalupe Dunes (noted by a single astrisk) will be obtained once during the year at the end of the pumping season in November (List A). These 8 well samples will be analyzed for the chemical constituents shown in List B plus Bromide. Water-levels will be included.

**b. Lompoc (August)**

Four water samples noted by a double asterisk in List A will be obtained at the same time as prescribed in the Santa Ynez River Water Conservation District program letter. These samples will be analyzed for the constituents on List B, plus barium and iodide. Water-levels will be included.



A total of 32 water quality monitoring wells will be sampled and analyzed annually for the constituents noted on List B. The results of chemical analyses for these 32 wells will be provided to the SBCWA through National Water Information System (NWIS) Web Interface as outlined through instructions provided to the SBCWA.

**3. Isotope Collection**

Samples collected at groundwater sites listed below will be sent to the USGS Reston Stable Isotope Laboratory for analysis under Lab Codes 489, 1142, 1172, and 1574. The results of the Isotope testing for these 5 wells will be made available via NWIS Web as outlined through instructions provided to the SBCWA.

Site Name	USGS Station Number
011N028W26N001S	350032119503501
011N029W10E002S	350308119580001
011N028W26M001S	350033119502201
010N027W05L001S	345836119473501
010N028W04M002S	345834119531301

**B. Surface Water Quality Monitoring Program:**

1. Stream-quality stations - Water samples will be collected on a monthly basis, as flow permits, at the stations listed below. Once per year (as flow permits, and usually during the month of April) samples will be collected for the constituents on List B. Field determinations of pH, alkalinity, dissolved oxygen, specific conductance, temperature, and discharge will also be made. All other monthly samples will be analyzed for pH, total dissolved solids, specific conductance, temperature, and discharge.

11123500	Santa Ynez River below Los Laureles Canyon near Santa Ynez
11124500	Santa Cruz Creek near Santa Ynez
11132500	Salsipuedes Creek near Lompoc
11133000	Santa Ynez River at Narrows near Lompoc
11135800	San Antonio Creek at Los Alamos
11136800	Cuyama River below Buckhorn Canyon near Santa Maria
11138500	Sisquoc River near Sisquoc
11141050	Orcutt Creek near Orcutt

**B. Surface Water Quality Monitoring Program (continued):**

2. Continuous temperature recording, specific conductance, and dissolved oxygen at Santa Ynez River near Santa Ynez (11126000).<sup>1</sup>

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<sup>1</sup> Cost of the continuous water quality monitoring at station 11126000 Santa Ynez River near Santa Ynez is split between four agencies as follows:

Santa Barbara County \$3,800 plus USGS \$1,100

Cachuma Operations Management Board \$14,650

Santa Ynez River Water Conservation District \$2,850 located on City of Lompoc Program

City of Lompoc \$3,850

### Program Reporting

Annually, no later than January, the USGS will send a letter with a status report on the completed work from the previous water-year, inclusive of:

1. Summary of Ground Water Quality site samples.  
LIST A.
  - i. Number of water quality samples collected.
  - ii. Number of water quality wells discontinued.
2. Summary of new wells added to the groundwater network.
3. Summary of surface water quality sites sampled.
  - a. 11123500
  - b. 11124500
  - c. 11132500
  - d. 11133000
  - e. 11135800
  - f. 11136800
  - g. 11138500
  - h. 11141050

Following is a summary of the work and associated costs for the SBCWA during the period November 1, 2018 to October 31, 2019:

	<u>County Funds</u>	<u>USGS Funds</u>	<u>Total Funds</u>
<b>A. Groundwater Monitoring</b>			
1. Water-quality	24,950	9,750	34,700
2. Seawater encroachment			
- Guadalupe	10,450	4,850	15,300
- Lompoc	6,000	2,350	8,350
3. Isotope analysis	700	-0-	700
<b>B. Surface Water Quality Monitoring</b>			
1. Stream-quality stations	22,440	12,850	35,290
2. Continuous temperature, specific conductance, and dissolved oxygen	3,800	1,100	4,900
<b>TOTAL</b>	<b>\$68,340</b>	<b>\$30,900</b>	<b>\$99,240</b>

Total cost of the proposed program is \$99,240. Cost to SBCWA will be \$68,340 and subject to the availability of Federal matching funds, the USGS will provide \$30,900.

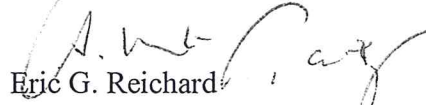
Enclosed are three originals of JFA 19ZGJFA03910, signed by our agency, for your approval. If you are in agreement with this proposed program, please return one fully executed JFA to our office. Work performed with funds from this agreement will be conducted on a fixed-price basis. Billing for this agreement will be rendered quarterly.

**Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Department of Public Works**

The USGS is required to have an agreement in place prior to any work being performed on a project. We request that a fully excuted JFA be returned prior to November 1, 2018. If it is not received by November 1, we will be required to suspend operations until an agreement is received.

If you have any questions concerning this program, please contact Ben Glass, in our Santa Maria Field Office, at (805) 928-9539. If you have any administrative questions, please contact Tammy Seubert, in our Sacramento Office, at (916) 278-3040.

Sincerely,



Eric G. Reichard  
Director, USGS California Water Science Center

Enclosures

cc: Ben Glass, USGS CAWSC



List A: Groundwater Chemistry Sampling (July)

Page 1 of 1

USGS Updated 9/6/2017 by Glass & Hamilton

July Groundwater		
SANTA YNEZ	007N030W33M001S	343833120030901
	007N031W35K004S	343830120065001
SAN ANTONIO	008N032W30E006S	344442120173201
	008N033W22K004S	344522120201301
SANTA RITA	007N033W27G001S	343926120201001
SANTA MARIA	009N033W02B001S	345324120190801
	009N034W03A002S	345340120261801
CUYAMA VALLEY	010N033W20H001S	345552120220001
	010N033W20G001S (alternate for 20H1)	345552120221701
	010N033W22N003S	345535120204401
	010N033W19K001S (alternate well)	345538120231101
	010N034W04R002S	345808120271401
	010N034W14E004S	345650120255901
	010N034W14E005S (alternate for 14E4)	345649120255201
	010N034W29N001S	345441120291301
	010N035W14D003S	345712120321701
	010N028W04M002S	345834119531301
	010N026W20M001S	345603119411901
	010N026W22D002S	345618119391001
	010N026W17R002S (alternate for 20M1 or 22D2)	345600119400001
	011N028W26N001S	350032119503501
	011N029W10E002S	350308119580001
	011N028W26M001S	350033119502201
	010N027W05L001S	345836119473501
TOTAL – 20 Samples		
August Groundwater (Lompoc)		
	007N034W27P005S**	343914120270301
	007N035W21G002S**	344041120341101
	007N035W26F004S**	343948120320901
	007N035W27F001S**	343952120332001
TOTAL – 4 Samples		
November Groundwater (Guadalupe Dunes)		
	010N036W02Q001S*	345823120383901
	010N036W02Q003S*	345823120383903
	010N036W02Q004S*	345823120383904
	010N036W02Q007S*	345823120383907
	011N036W35J002S*	345921120381601
	011N036W35J003S*	345921120381602
	011N036W35J004S*	345921120381603
	011N036W35J005S*	345921120381604
TOTAL – 8 Samples		
GRAND TOTAL=32 Samples		

List B

Chemical Constituents  
(mg/L or as indicated)

Dissolved boron ( $\mu\text{g/L}$ )	Dissolved solids (sum)
Dissolved calcium	Sodium adsorption ratio
Dissolved chloride	Percent sodium
Dissolved fluoride	Total alkalinity ( $\text{CaCO}_3$ )
Dissolved iron ( $\mu\text{g/L}$ )	Total hardness ( $\text{CaCO}_3$ )
Dissolved manganese ( $\mu\text{g/L}$ )	Temperature $^{\circ}\text{C}$
Dissolved magnesium	pH
Dissolved nitrogen (nitrate + nitrite)	Specific conductance (microsiemens)
Dissolved orthophosphate ( $\text{PO}_4$ )	
Dissolved orthophosphorus (P)	
Dissolved potassium	
Dissolved silica	
Dissolved sodium	
Dissolved sulfate	

Schedules used: 101, 117

Lab Codes used: 27

Additional analysis for monitoring wells noted by a single asterisk (\*) in List A includes Lab code 3166 as Bromide

Additional analysis for monitoring wells noted by a double asterisk (\*\*) includes Lab Codes 1202 as Iodide and 1786 as Barium.