

Board Contract Summary

BC 15-100

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 15-16
D2.	Department Name	PW/Water Agency
D3.	Contact Person	Fray Crease
D4.	Telephone	ext. 3542

K1.	Contract Type (check one): <input checked="" type="checkbox"/> Personal Service <input type="checkbox"/> Capital	
K2.	Brief Summary of Contract Description/Purpose	San Antonio Groundwater Basin Study
K3.	Department Project Number	WA8236
K4.	Original Contract Amount	\$ 673,950
K5.	Contract Begin Date	11/01/14
K6.	Original Contract End Date	10/31/19
K7.	Amendment? (Yes or No)	Yes
K8.	- New Contract End Date	10/31/20
K9.	- Total Number of Amendments	3
K10.	- This Amendment Amount	\$ \$393,103
K11.	- Total Previous Amendment Amounts	\$ \$246,398 and \$222,605
K12.	- Revised Total Contract Amount	\$ \$1,536,056

B1.	Intended Board Agenda Date	2/13/18
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)	WA8236
F5.	Program Number (if applicable)	3012
F6.	Org Unit Number (if applicable)	
F7.	Payment Terms	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	Tammy 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: 1/29/18 Authorized Signature: Audrea Lee

Form 9-1366
(April 2015)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Customer #: 6000000816
Agreement #: 15WSCA600081610_A3
Project #: ZG00FUV
TIN #: 96-6002833
Fixed Cost
Agreement NO

JOINT FUNDING AGREEMENT

FOR

Water Resources Investigations

THIS AGREEMENT is entered into as of the, 14th day of December, 2017 by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the SANTA BARBARA COUNTY WATER AGENCY (SBCWA), party of the second part.

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation the study "Geohydrology and Water Availability of San Antonio Creek Valley, California" 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) includes In-Kind Services in the amount of \$0.00

(a) by the party of the first part during the period

Amount	Date	to	Date
\$133,604.00	November 1, 2014		October 31, 2020

(b) by the party of the second part during the period

Amount	Date	to	Date
\$393,103.00	November 1, 2014		October 31, 2020

USGS DUNs is 1761-38857. Total SBCWA funding for this agreement, including this amendment is \$1,536,056. Total USGS funding for this agreement, including this amendment is \$341,515. Total cost of this agreement is \$1,877,571.

(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:

No additional funding

(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.

9-1366 (Continuation) Customer #: 600000816 Agreement #: 15WSCA600081610_A3

- 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 costs, 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.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered QUARTERLY. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey United States Department of the Interior <u>USGS Point of Contact</u>	Santa Barbara County Water Agency <u>Customer Point of Contact</u>
Name: Irene A. Rios, Budget Analyst Address: 4165 Spruance Rd., Ste 200 San Diego, CA 92101 Telephone: 619-225-6156 Email: iaros@usgs.gov	Name: Thomas Fayram Address: 130 East Victoria Street, Ste 200 Santa Barbara CA 93101 Telephone: 805-568-6436 Email: tfayram@cosbpw.net

Signatures and Date

Signature:  Date: 1-12-18	Signature: _____ Date: _____
Name: Eric G. Reichard Title: Director, CA Water Science Center	Name: _____ Title: _____

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

Table 1. Geohydrology and Water Availability of the San Antonio Creek Valley, California

2018 Funding Summary

Task #	Task Description	Organization:	Year*		
			SB Co	USGS**	Total
1	Data Compilation (total)		\$0	\$0	\$0
	Originally budgeted costs		\$0	\$0	\$0
	Information requests, communications, and analysis		\$0	\$0	\$0
2	New Data Acquisition		\$187,103	\$73,927	\$261,030
A	Drilling & well installation				
i	Two multiple well monitoring sites		\$0	\$0	\$0
ii	Auger drilling of shallow wells		\$0	\$0	\$0
B	Groundwater levels				
i	Well canvassing		\$0	\$0	\$0
ii	Expanded GW level monitoring		\$14,165	\$14,165	\$28,330
iii	GW level recorders		\$27,106	\$27,106	\$54,211
iv	Measuring point elevations-GPS		\$0	\$0	\$0
C	Streamflow gaging		\$13,297	\$13,297	\$26,593
D	Groundwater/surface-water interaction				
i	Temperature monitoring - GW/SW fluxes		\$17,613	\$4,916	\$22,529
ii	Streamflow duration & location		\$13,287	\$3,960	\$17,247
iii	Streambed infiltration tests		\$2,112	\$615	\$2,727
E	Water-Quality sampling		\$88,065	\$6,700	\$94,765
F	Hydraulic properties & profiles data				
i	Collect new slug & aquifer tests		\$5,408	\$1,369	\$6,777
ii	EM & temperature logging		\$6,051	\$1,800	\$7,851
3	Model Development		\$95,275	\$27,304	\$122,579
4	Water Availability Analysis		\$15,450	\$4,600	\$20,050
5	Reporting		\$95,275	\$27,773	\$123,048
i	Project Website		\$6,438	\$1,896	\$8,334
ii	Water quality article		\$19,673	\$5,523	\$25,196
iii	Hydrogeologic Setting SIR		\$51,140	\$14,957	\$66,097
iv	Hydrologic modeling / water availability SIR / fact sheet		\$18,025	\$5,397	\$23,422
TOTAL			\$393,103	\$133,604	\$526,707

*Yearly costs are by county fiscal year (CFY) for Santa Barbara County (SB Co).

**Cooperative matching funds are subject to availability and are awarded by Federal Fiscal Year.

Table 2. Geohydrology and Water Availability of the San Antonio Creek Valley, California - Workplan

Task #	Task Description	Calendar Year:																									
		2015				2016				2017				2018				2019				2020					
		I	O	I	A	I	O	I	A	I	O	I	A	I	O	I	A	I	O	I	A	I	O	I	A		
		A	N	F	M	A	N	F	M	A	N	F	M	A	N	F	M	A	N	F	M	A	N	F	M	A	N
County Fiscal Years (CFY):		CFY16				CFY17				CFY18				CFY19				CFY20									
Quarters:		Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
Federal Fiscal Years (FFY):		FFY16				FFY17				FFY18				FFY19				FFY20									
Quarters:		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
1	Data compilation/analysis		X	X	X	X																					
2	New data collection																										
A	Drilling and well installation																										
i	Two multiple well monitoring sites									X																	
ii	Auger drilling of shallow wells		X						X																		
B	Groundwater levels																										
i	Well Canvassing			X																							
ii	Expanded groundwater level monitoring		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
iii	GW Level Recorders								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
iv	Measuring point elevation-GPS								X																		
C	Streamflow gaging																										
i	Installation of two new stations (Casmalia and Harris Creek)								X																		
ii	Operation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
D	Groundwater/surface water interaction																										
i	Temperature monitoring for GW/SW fluxes		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ii	Streamflow duration & location		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
iii	Streambed infiltration tests										X																
E	Water-Quality sampling																										
i	Groundwater										X	X	X														
ii	Surface water								X			X	X														
F	Hydraulic properties & profiles data																										
i	Collect new slug & aquifer test data										X																
ii	EM & temperature logging - seasonal changes in WQ & flow										X		X														
3	Model development																										
A	Hydrogeologic Framework									X	X	X	X	X	X												
i	Construction of 3D hydrogeologic framework		X	X	X	X	X	X	X	X	X	X	X	X	X												
ii	Definition of textural variations in principal aquifers								X	X	X	X	X	X													
iii	Aquifer hydraulic properties									X	X	X	X	X	X	X											
B	Hydrologic Model									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
I	Recharge Model									X	X	X	X	X													
	Recharge Analysis								X	X	X	X	X	X													
	Precipitation/Runoff - Surface Water Model									X	X	X	X	X													
ii	Hydrologic Flow Model									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	Groundwater Model									X	X	X	X	X													
	Linked Model										X	X	X	X	X	X	X	X	X	X	X	X	X	X			
4	Water availability analysis														X	X	X	X									
5	Products																										
i	Project Website									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ii	Water quality journal article														X	X	X	X									
	Preparation														X	X	X	X									
	Review and Publication															X	X	X									
iii	Hydrogeologic Setting - new & existing information (SIR)																										
	Preparation									X	X	X	X	X	X	X	X										
	Review and Publication															X	X	X	X	X	X	X	X	X			
iv	Hydrologic modeling & summary (SIR and Fact sheet)																										
	Preparation									X	X	X	X	X	X	X	X										
	Review and Publication															X	X	X	X	X	X	X	X	X			

X	Scheduled Task
X	Completed Task
X	Orinally Scheduled Task (shifted to later date)
X	Extneded Completion Date (shifted from earlier date)