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): Personal Service Capital	
K2.	Brief Summary of Contract Description/Purpose	San Antonio Groundwater Basin Study
K3.	Department Project Number	
K4.	Original Contract Amount	\$ 673,950
K5.	Contract Begin Date	
K6.	Original Contract End Date	
K7.	Amendment? (Yes or No)	
K8.	- New Contract End Date	10/31/20
K9.	- Total Number of Amendments	4
K10.	- This Amendment Amount	
K11.	- Total Previous Amendment Amounts	
K12.	- Revised Total Contract Amount	\$ \$1,633,956
B1.	Intended Board Agenda Date	August 14, 2018
B2.	Number of Workers Displaced (if any)	
B3.	Number of Competitive Bids (if any)	
B4.	Lowest Bid Amount (if bid)	
B5.	If Board waived bids, show Agenda Date	
БЭ.	and Agenda Item Number	1
B6.	Boilerplate Contract Text Changed? (If Yes, cite Paragraph)	
ВО.	Bonolpiato Contract Foxt Changes. (Il Foo, one : ang. spriy	
F1.	Fund Number	
F2.	Department Number	
F3.	Line Item Account Number	
F4.	Project Number (if applicable)	. WA8236
F5.	Program Number (if applicable)	3012
F6.	Org Unit Number (if applicable)	
F7.	Payment Terms	net 60
	A Property of the New York and the New Y	. 003601
V1.	Auditor-Controller Vendor Number	DOI USGS
V2.	Payee/Contractor Name	5.0.5.71000
V3.	Mailing Address.	
V4.	City State (two-letter) Zip (include +4 if known)	(0.10) 070 0010
V5.	Telephone Number	
V6.	Vendor Contact Person	2.112
V7.	Workers Comp Insurance Expiration Date	
V8.	Liability Insurance Expiration Date	
V9.	Professional License Number	
V10	Verified by (print name of county staff)	
V11	Company Type (Check one): Individual Sole Prop	prietorship Partnership Corporation
I certi	fy information is complete and accurate; designated funds available	e; required concurrences evidenced on signature page.
Date:	7/5/18 Authorized Signature: Authorized	Revised 1/13/2014

Form 9-1366 (May 2018)

U.S. DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

JOINT FUNDING AGREEMENT

Customer #:

6000000816

Agreement #:

15W5CA600081610_A4

Project #: TIN #:

ZGOOFUV 96-6002833

Fixed Cost

Agreement

NO

FOR

WATER RESOURCES INVESTIGATIONS

THIS AGREEMENT is entered into as of the, 12th day of June, 2018 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 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

\$9,727.00

November 1, 2014

Date October 31, 2020

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

Amount \$97,900.00

November 1, 2014

Date October 31, 2020

USGS DUNs is 1761-38857. Total USGS funding for this agreement, including this amendment is \$351,242. Total SBCWA funding for this agreement, including this amendment is \$1,633,956.00 Total cost of this agreement is \$1,985,198.00

(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/nat onal 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.
- 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.
- 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 #

6000000816

Agreement #:

15WSCA600081610 A4

- 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.
- 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/).

Billing for this agreement will be rendered.

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.

U.S. Geological Survey **United States**

Department of the Interior

USGS Point of Contact

Irene A. Rios, Budget Analyst

4165 Spruance Rd., Ste 200

San Diego, CA 92101

Telephone: 619-225-6156 Emall: iarios@usgs.gov Santa Barbara County Water Agency

Customer Point of Contact

Thomas Fayram

Name Address:

130 East Victoria Street, Ste 200

Santa Barbara, CA 93101

tfavram@cosbow net

Telephone: 805-568-6436

Email:

Date:

Signatures and Date

Date:

see page 3 for signatures

Signature

Name:

Address:

Name:

Name: Title:

Director, USGS, CA Water Science Center

Title

Signature:

Agreement No. 15WSCA600081610_A4 Signature Page Continued - Page 3

SANTA BARBARA COUNTY WATER AGENCY	APPROVE AS TO FORM: RAY AROMATORIO, ARM, AIC RISK MANAGER
BY: Das Williams, Chair, Board of Directors	BY: And Onla
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	APPROVE AS TO FORM: MICHAEL C. GHIZZONI COUNTY COUNSEL BY:
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	



United States Department of the Interior

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

Phone: (916) 278-3026 Fax: 916) 278-3045 http://water.wr.usgs.gov

June 12, 2018

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

Attention: Mr. Matthew Scrudato

Dear Mr. Fayram:

This letter confirms discussions between our respective staffs, concerning the continuation of the cooperative water resources program between the Santa Barbara County Water Agency (SBCWA) and the U.S. Geological Survey (USGS), during the period October 1, 2014 to October 31, 2020. This amendment is related to funding covering the next phase of the study.

As described in *Geohydrology and Water Availability of the San Antonio Creek Valley* (study), the study is a cooperative study between the County of Santa Barbara, Vandenberg Air Force Base (VAFB), and the U.S. Geological Survey (USGS). The objectives of the study are to:

- 1) refine the geohydrologic framework of the San Antonio Creek Valley;
- 2) quantify the hydrologic budget of the valley; and
- 3) develop hydrologic modeling tools to evaluate and aid in managing the groundwater resource.

The study will provide hydrologic information needed by Santa Barbara County Water Agency and VAFB to better understand the potential impacts of increasing groundwater use on groundwater levels, stream-aquifer interaction, and water quality, and help develop a management and monitoring plan to evaluate the potential hydrologic effects of future groundwater development on different parts of the valley.

The study is currently planned as a 6-year project starting November 1, 2014 through September 30, 2020. The study includes five main tasks: (1) data compilation, (2) new data acquisition, including an assessment of water quality, (3) model development, (4) analysis of water availability, and (5) report preparation. Work has commenced, on tasks 1, 2, 3, and 5. Work started to date under tasks 1, 2, 3, and 5 includes the following:

- 1) Existing climate, land-use, geologic, water-quality, and geodetic data have been compiled and assembled into a Geographic Information System (GIS) (Task 1).
- 2) Existing water-quality data have been compiled (Task 1).

Mr. Thomas D. Fayram, Deputy Director, Santa Barbara County Water Agency

- 3) A previously operated stream gage at San Antonio Creek near Casmalia (11136100) has been reinstalled and is currently operating (Task 2).
- 4) A new stream gage on Harris Creek has been installed and is currently operating (Task 2).
- 5) Multiple-well site 16C1-4 has been instrumented with pressure transducers and is transmitting water level data in real time (Task 2).
- Eight shallow monitoring wells and two deep multiple-well monitoring sites have been installed.
- 7) Continuous water-level measurements are being recorded in 13 monitoring wells.
- 8) About 25 stream-bed electrical resistance sensors and three temperature sensor rods have been deployed and are currently monitoring stream-flow and duration (Task 2).
- 9) Quarterly measurements of wells (about 25) that are part of the existing groundwater-level monitoring network continues (Task 2).
- 10) Additional wells (about 12) have been canvased and added to the quarterly groundwater-level monitoring network.
- 11) Groundwater geochemistry samples from 27 wells have been collected and analyzed.
- 12) Construction of the 3-dimensional geohydrologic framework for the groundwater model has commenced (Task 3).
- 13) The project website has been built and is accessible at: https://ca.water.usgs.gov/projects/san-antonio-creek/index.html.
- 14) Infiltrometer tests have been collected and processed (12 locations).
- 15) Aquifer/slug tests have been collected on all monitoring wells installed as part of this study (16 wells).
- Differential GPS measurements were taken to establish vertical geodetic control at all accessible wells in the monitoring network.

Total costs for the proposed amendment with SBCWA for CFY 2019 is \$107,627. Of this total SBCWA will contribute \$97,900. and subject to the availability of cooperative matching funds (CMF), the USGS will contribute \$9,727. The proposed program cost associated with this amendment are presented in Table 1. Total agreement cost through this amendment is \$1,985,198. (plus CFY19), total SBCWA including this amendment, is \$1,633,956 (plus CFY19), total contribution by USGS is \$351,242. (plus CFY19). The updated project timeline is presented in Table 2. The planned funding through the end of the study is presented in Table 3.

Enclosed are two originals of Joint Funding Agreement (JFA) 15WSCA600081610 Amendment 4 for your approval. Work performed with funds from this agreement will be conducted on a reimbursable basis. If you are in agreement with this proposed amendment, please sign and return one of the originals to our San Diego office to Irene Rios.

Mr. Thomas D. Fayram, Deputy Director, Santa Barbara County Water Agency

The USGS is required to have an agreement in place prior to any work being performed on a project. Your immediate response to returning the signed JFA will allow us to begin work on this study.

If you have any questions concerning this program, please contact David O'Leary, in our San Diego Projects Office, at (619) 225-6157. If you have any administrative questions, please contact Irene Rios, in our San Diego Office, at (619) 225-6156.

Sincerely, his S. Auhard

Eric G. Reichard

Director, USGS California Water Science Center

Enclosures

cc: Claudia Faunt, USGS CA WSC

David O'Leary, USGS CA WSC

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

2019 Funding Summary

	Year*		2019	
Task#	Task Description Organization:	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	\$0	\$0	\$0
Α	Drilling & well installation			
i	Two multiple well monitoring sites	\$0	\$0	\$0
ii	Auger drilling of shallow wells	\$0	\$0	\$0
В	Groundwater levels			
i	Well canvassing	\$0	\$0	\$0
ii	Expanded GW level monitoring	\$0	\$0	\$0
iii	GW level recorders	\$0	\$0	\$0
iv	Measuring point elevations-GPS	\$0	\$0	\$0
С	Streamflow gaging	\$0	\$0	\$0
D	Groundwater/surface-water interaction			
i	Temperature monitoring - GW/SW fluxes	\$0	\$0	\$0
ii	Streamflow duration & location	\$0	\$0	\$0
iii	Streambed infiltration tests	\$0	\$0	\$0
E	Water-Quality sampling	\$0	\$0	\$0
F	Hydraulic properties & profiles data			
i	Collect new slug & aquifer tests	\$0	\$0	\$0
ii	EM & temperature logging	\$0	\$0	\$0
3	Model Development	\$5,150	\$608	\$5,758
4	Water Availability Analysis	\$30,900	\$3,651	\$34,551
5	Reporting	\$61,852	\$5,467	\$67,318
i	Project Website	\$5,150	\$608	\$5,758
ii	Water quality article	\$20,291	\$1,186	\$21,477
iii	Hydrogeologic Setting SIR	\$10,661	\$630	\$11,290
iv	Hydrologic modeling / water availability SIR / fact sheet	\$25,750	\$3,042	\$28,792
TOTAL	The second secon	\$97,902	\$9,726	\$107,628

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

^{**}Cooperative matching funds are subject to availability and are awared by Federal Fiscal Year.

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

Table Participation Part							-		-					-	-		1	-	-
Tark bescription from the compilition of two many states and publication of two many states and p			- C.		A	-	0	-	4	0		K	_	0	A	7	0	_	
Tract beachplion Tract beachp			4	****			Z				-	Σ	d	-			Z		
Tark bescription Tender Figure 1			v	-			. 0					-	·	-			0		
Task Description Federal Fical Version Foreign Federal Fical Version	Task#		_		716		CF.	17	-		1>	·	,	- 5	6	-	CFY	02	-
Proper properties Frederic Fical Verai Fire) Frederic Fire) Frede				02 0	13 04			-				04							H
The complication in complication in the complication in the complication in the complication in the complication gates and while well mortification gates and complete well consistent growing the complication gates and complete well complete well complete well complete growing and well installation for the complete growing and well installation of contractions gates and complete growing gates ga					FFY16	1		FFYI				V18		-	FY19	1		FFY	
We date and pleated from the pleated f			•		ED 21	_	5	77				3		-	3	-		3	
Officing and worthstrailation August Intelligent August Intelligen		New deep collection			4	+		\dagger	+	+	1	I	T	+	+	-		t	t
Year multiple well monitoring sites Year multiple well monitoring sites Year multiple well monitoring sites Year multiple well monitoring Year multiple well multiple well well multiple well well multiple well well well well well well well w	V	New data confection	***************************************	-	-			T	+	-	-	-		-	-			1	1
Auger claiming of inalitow wells August Caraming of inalito August Caraming of August Caraming		Two multiple well monitoring cities	Marchaeltres.	-	-	-	×	1	-	-	-	-	Ī	-	- Andrewson	-		-	-
Control design	. =	Auger drilling of shallow wells	A description of the	×	-		×	The Party	Date of the last o	-	-		4	-	-	-		amin's	-
Veril Compassing Campaton	8	Groundwater levels			-				-	-	-		and a	-	-				-
Characteristics	-	Well Canadacting	-		×	-		-	-	1	-		1	-	-	-			
Water repetition of two mew stations (Samelanders)	. =	Expanded groundwater level monitoring		jac.	×	×	×	-	-	-	-	×	×		-				-
Streamfile point elevation GPS	1	GW Level Recorders	THE PARTY OF THE P		-	×	×	-	-	-		×	×	-	-				-
Streamfolw peging Temperature monitoring for year Temperature pegind Temperature pegind Temperature year Temperature ye	\$	Measuring point elevation-GPS	Market Market Market			Town Course			×	_				-	-				
Operation of two new stations (Casmalla and Harris Ceek)	Ç	Streamflow gaging			urbar.		-			_	_								-
Operation	-	Installation of two new stations (Casmalia and Harris Creek)		_			×			-	-			_	-			1	+
Streamfowate/unifice water interaction		Operation	×	-	-	-	×	×	-	-	-	×	×	+	+			1	+
Streamford unifording (so of CVI) Will have so the monitoring for GVI/SW fluxes X X X X X X X X X	۵	Groundwater/surface-water interaction	- American American		and the	-			-	-	-	-	Ī	+		-	1	Ť	-
Streamboard infiltration tests Water-Quality sampling Collect reavel state Fig. Fig	-	Temperature monitoring for GW/SW fluxes	the commence of the	×	-	-	×	-	-	-	-	×	×	+	-	-		1	+
Streambed infiltration tests Streambed infiltration test Streambed infiltration test Streambed infiltration Streambed infiltr	=	Streamflow duration & location	A Commence of	×	-	+	×	-	+	÷	-	×	×	+	-	-		1	+
Guidet new Stuge audition from the state water Surface wat	=	Streambed infiltration tests	-		+	1	1	+	1	+	-		1	+	+	-	1	1	+
Groundwater State water State water Hydraulic properties & profiles data Context new stug & acquiler test data Context new stud Context new	w	Water-Quality sampling		-	-	-	1	+	+	-	+		Ī	-	+			+	+
Hydrologic Flow Mater	_	Groundwater	- A SECTION OF THE PARTY OF	1	-			-	7	-	-	4	1000	+	+	-	Bittaching	Ť	t
EM & temperature logaling -seasonal changes in WQ & flow Model development Model hydrologic Model	=	Surface water		1	-	-	-	×	-	× .	-	-	No.	+		-	Trans.	Ť	10000
EM& temperature logging - seasonal changes in WQ.& flow Model development		Aydraulic properties & promiss data	-	-	-	1	1	t	1	-	1	1	T	-	-		-	Ì	1
Model development	- =	EM & temperature logging - seasonal changes in WO & flow		1	-	1		-	+	_	×		Ī	+	-			+	1
Hydrogeologic Framework		Model development			-			-		_									
Construction of 3D hydrogeologic framework	-	Hydrogeologic Framework	A CANCINGORALISM OF			×	×	×		-									-
Aquifer injurion of textural variations in principal aquifers Aquifer injurion of textural variations in principal aquifers Aquifer injuriodia for model Recharge Analysis Recha	-	Construction of 3D hydrogeologic framework		×		-	×	×	-							-			
I Aquiler hydraulic properties	=	Definition of textural variations in principal aquifers	William Committee	The Party	-	×	×	×	-	<u> </u>	- 1	1	1	+	+	-	1	1	1
Hydrologic Model	E	Aquifer hydraulic properties		İ	1	×	×	×		-	-	1:	1:	-	1	-	-	i	1
Rectangle Modes		Hydrologic Model		1	+	× >	× >	× >	+	÷	-	K	K	-	_	-		Ť	t
Precipitalize Funder Mode	-	Hechard Model	-		-	< >	< >	< >	-	1	-	1	Ī	-	-	-		+	
Hydrologic modeling & summary [5]R and Fact sheet]		Description (Duranti - Curture Mater Made)	-		-	e	4	(×	+	÷	-		Ī	-	-	1		T	
Groundwater Model X X X X X X X X X X X X X X X X X X X	-	Hydrologic Flow Model	Manufacture American	The Court		o constant	×	×	-	-	-	×	×	-	4-		20.71.5.0		
Linked Model Water availability analysis K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K K		Groundwater Model	The second second second					×	-	-					-				
Water availability analysis Water availability analysis X X X X X X X X X X X X X X X X X X X	Outromostic State of the last	Linked Model								×	-	×	×	-					1
Products K X X X X X X X X X X X X X X X X X X X		Water availability analysis			-					+		×	×	-		_		1	+
Project Website Water quality journal article X X X X X X X X X X X X X X X X X X X	Prince in such drives	Products		004	-	-		-	-	-	-	The same of the sa	1	-		-	:	1	,
Water quality journal article Preparation X X X X X X X X X X X X X X X X X X X	-	Project Website	The supplies to the said	The second	-	-		×	-	-	4	×	×		-	-		<	K
Preparation A	=	Water quality journal article	-	1	+	-	1	-	-	-	13	,	,	,	-	-	1	t	t
Hydrogeologic Setting - new & existing Information (SIR) X X X X X X X X X X X X X X X X X X X		Preparation		+	+	1	1	+	+	+	<	<	4	-		-		T	+
Preparation	=	Hevrew and rountains: Hydrageolygic Setting - new & existing information (SIR)		T	+	-		-	+	+	+	1	1	-	+	-			-
Review and Publication X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X		Preparation	No. of Contractions				- Contract		-	1	1	×	×	-	. i	-			-
Hydrologic modeling & summary (SIR and Fact sheet) Preparation Review and Publication		Review and Publication	-	75 - 47 may	-			1	-	-	-	-	-	-	-	-	×	×	×
X X X X X X X X X X X X X X X X X X X	٤.	Hydrologic modeling & summary (SIR and Fact sheet)		1	-		C) Water	1	-	-	-		1	,	-	-		1	-
	Continue memory	Preparation Review and Publication	4	T	-	1	1	1	-	-	1	+	•	-	, A			×	×

	Scheduled Task
term	Completed Task
	Orininally Scheduled Task (shifted to later date)
J	Extneded Completion Date (shifted from earlier date)

Table 3. Geohydrology and Water Availability of the San Antonio Creek Valley, California - Study Cooperators and Contributors

Task Description Organization: SB Co USGS*** V Data Compilation (total) \$0 \$0 \$0 Originally budgeted costs \$0 \$0 \$0 Information requests, communications, and analysis \$0 \$0 New Data Acquisition \$0 \$0 \$0 New Data Acquisition \$0 \$0 \$0 Two multiple well monitoring sites \$0 \$0 \$0 Groundwater levels \$0 \$0 \$0 Well canvassing \$0 \$0 \$0 Expanded GW level monitoring \$14,165 \$14,165 \$14,165 GW level recorders \$0 \$0 \$0 \$0 Measuring point elevations-GPS \$12,297 \$13,297 \$5 Groundwater/surface-water interaction \$12,297 \$13,297 \$5 Streamflow duration & location \$12,287 \$5,14,165 \$1,406 \$5 Streamflow duration & location \$13,287 \$2,106 \$1,200 \$4 Streamflow duration & location		Year	Year	2018	8			2019	6			2020	0	
Data Compilation (total) \$0 \$0 Originally budgeted costs \$0 \$0 Information requests, communications, and analysis \$0 \$0 New Data Acquisition \$187,103 \$73,927 \$0 Information requests, communications, and analysis \$187,103 \$73,927 \$0 Information requests, communication \$0 \$0 \$0 \$0 \$0 Information wells \$1,105 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	*		SB	USGS**	VAFB	Total	SB Co	USGS**	VAFB	Total	SBCo	nses.	VAFB	Total
Information requests, communications, and analysis \$187,103 \$73,927 \$5 New Data Acquisition \$187,103 \$73,927 \$5 New Data Acquisition \$187,103 \$73,927 \$5 Drilling & well installation \$20 \$20 \$20 Auger drilling of shallow wells \$20 \$20 \$20 Auger drilling of shallow wells \$20 \$20 \$20 Groundwater levels \$21,105 \$21,105 Groundwater levels \$21,105 \$21,105 Expanded GW level monitoring \$21,105 \$21,105 Government goint elevations-GPS \$21,105 \$21,105 Groundwater/surface-water interaction \$21,105 \$21,105 \$21,105 Groundwater/surface-water interaction \$21,005 \$21,105 \$21,105 Groundwater/surface-water interaction \$21,005 \$21,105 Groundwater/surface-water \$21,005 \$21,105 Groundwater/surface-water interaction \$21,005 \$21,105 Groundwater/surface-water interaction \$21,005 \$21,105 Groundwater/surface-water interaction \$21,0	-1	Data Compilation (total)	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0
Information requests, communications, and analysis \$187,103 \$73,927 \$187,103 \$73,927 \$287,103 \$73,927 \$287,103 \$73,927 \$388,004 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388,005 \$388	Alligh of the Barbara	Originally budgeted costs	\$	\$	\$0	\$0	\$0	\$0	\$0	\$0	a\$	\$0	\$0	\$0
New Data Acquisition	And the second second	Information requests, communications, and analysis	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Two multiple well installation So So So So So So So	2	New Data Acquisition	\$187,103	\$73,927	\$79,134	\$340,164	\$0	0\$	\$0	\$0	\$0	\$0	\$0	\$0
Two multiple well monitoring sites	⋖	Drilling & well installation	To the second se											
Auger drilling of shallow wells	-	Two multiple well monitoring sites	80	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Groundwater levels	=	Auger drilling of shallow wells	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$	\$	\$0
Well canvassing	8	Groundwater levels			~									
Expanded GW level monitoring \$14,165 \$14,165 GW level recorders \$27,106 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$5 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,106 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$27,107 \$	-	Well canvassing	8	\$0	앙	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GW level recorders	:=	Expanded GW level monitoring	\$14,165	\$14,165	\$3,689	\$32,019	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0
Streamflow gaging Streamflow gaging Streamflow gaging Groundwater/surface-water interaction Streamflow duration & Interaction Streamflow duration & Interaction Streamflow duration & Interaction Streamflow duration & Interaction Streambed Infiltration tests St	=	GW level recorders	\$27,106	\$27,106	\$18,539	\$72,751	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Streamflow gaging S13,297 \$13,297 \$13,297 \$ \$13,297 \$ \$13,297 \$ \$13,297 \$ \$13,297 \$ \$13,297 \$ \$13,297 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287 \$ \$13,287	.2	Measuring point elevations-GPS	\$0	\$0	\$	\$0	\$0	\$0	\$0	\$0	o\$	\$0	\$0	\$0
Temperature monitoring - GW/SW fluxes \$17,613 \$4,916 I Temperature monitoring - GW/SW fluxes \$13,287 \$3,960 Streamflow duration & location \$2,112 \$614 Streambed Infiltration tests \$88,065 \$6,700 \$2,112 Water-Quality sampling \$88,065 \$6,700 \$2,112 Hydraulic properties & profiles data \$5,408 \$1,369 Collect new slug & aquifer tests \$5,408 \$1,369 EM & temperature logging \$6,051 \$1,800 Model Development \$56,051 \$1,800 Water Availability Analysis \$95,275 \$27,734 Project Website \$6,438 \$1,896 Water quality article \$55,438 \$1,896 Water quality article \$55,23 Hydrogeologic Setting SIR \$51,140 \$51,4,957 \$51,140 Strand & Water availability Nater availability SIR / fact sheet \$18,055 \$53,397 Strand & Water quality article \$51,140 \$51,140 Strand & Water quality article \$51,140 \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 \$51,140 \$51,140 Strand & Water availability SIR / fact sheet \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51,140 \$51	υ	Streamflow gaging	\$13,297	\$13,297	\$23,956	\$50,550	\$0	\$0	\$0	\$0	\$0		\$0	\$0
Temperature monitoring - GW/SW fluxes	۵	Groundwater/surface-water Interaction												
	-	Temperature monitoring - GW/SW fluxes	\$17,613	\$4,916	\$8,300	\$30,829	0\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Streambed Infiltration tests	=	Streamflow duration & location	\$13,287	\$3,960	\$3,000	\$20,247	\$0	\$0	\$0	\$0	\$0	\$0	\$0\$	\$0
Water-Quality sampling	≡	Streambed infiltration tests	\$2,112	\$614	\$0	\$2,726	\$0	\$0	\$0	\$0	0\$	0\$	\$0	\$0
Hydraulic properties & profiles data 55,408 51,369 Collect new slug & aquifer tests 56,051 51,800 EM & temperature logging 595,275 527,304 Model Development 515,450 54,600 Water Availability Analysis 715,450 54,600 Reporting 710,650 710,650 Project Website 56,438 51,806 Water quality article 56,438 51,806 Water quality article 519,673 55,523 Hydrogeologic Setting SIR 514,957 514,957 Water quality article 519,673 55,523 Water quality article 519,673 55,523 Water quality article 519,673 55,533 Water quality article 518,057 Water quality article 518,05	ш	Water-Quality sampling	\$88,065	\$6,700	\$19,000	\$113,765	\$0	\$0	\$0	\$0	\$0	\$0	\$	\$0
i Collect new slug & aquifer tests \$5,408 \$1,369 ii EM & temperature logging \$6,051 \$1,800 Model Development \$95,275 \$27,304 \$5 Water Availability Analysis \$95,275 \$27,730 \$5 Reporting Reporting \$95,275 \$27,773 \$5 ii Project Website \$6,438 \$1,896 \$1 iii Water quality article \$5,438 \$1,896 \$1 iii Hydrogeologic Setting SIR \$5,523 \$1 iver Hydrogeologic Setting SIR \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53,140 \$14,957 \$53	u.	Hydraulic properties & profiles data												
EM & temperature logging	-	Collect new slug & aquifer tests	\$5,408	\$1,369	\$0	\$6,777	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Model Development	=	EM & temperature logging	\$6,051	\$1,800	\$2,650	\$10,501	\$0	\$0	\$0	\$0	\$0	\$0	\$0\$	\$0
Water Availability Analysis \$4,600 Reporting \$95,275 \$27,773 \$ i Project Website \$6,438 \$1,896 \$1,896 iii Water quality article \$19,673 \$5,523 \$1,806 iii Hydrogeologic Setting SIR \$14,957 \$14,957 \$3,000	m	Model Development	\$95,275	\$27,304	\$40,000	\$162,579	\$5,150	\$608	\$2,500	\$8,258	\$0	\$0	\$0	\$0
Reporting \$95,275 \$27,773 \$ Project Website \$6,438 \$1,896 Water quality article \$19,673 \$5,523 Hydrogeologic Setting SIR \$14,957 \$	4	Water Availability Analysis	\$15,450	\$4,600	\$7,500	\$27,550	\$30,900	\$3,651	\$15,000	\$49,551	\$0	\$0	\$0	\$0
Project Website \$6,438 \$1,896 Water quality article \$19,673 \$5,523 Hydrogeologic Setting SIR \$31,140 \$14,957 \$14,957 Hudrolnal modellar / water availability SIR / fact sheet \$18,055 \$53,97	s	Reporting	\$95,275	\$27,773	\$36,300	\$159,348	\$61,852	\$5,467	\$28,375	\$95,693	\$13,854	\$1,385	\$6,525	\$21,764
Water quality article \$19,673 \$5,523 Hydrogeologic Setting SIR \$14,957 \$ Hudrologic modeline / water availability SIR / fact sheet \$18,025 \$5,337	-	Project Website	\$6,438	\$1,896	\$2,500	\$10,834	\$5,150	\$608	\$2,500	\$8,258	\$2,575	\$258	\$1,250	\$4,083
Hydrogeologic Setting SIR 4957 \$ 51,140 \$14,957 \$ Hydrologic modeline / water availability SIR / fact cheet \$18,025 \$5,397	=	Water quality article	\$19,673	\$5,523	\$8,500	\$33,696	\$20,291	\$1,186	\$8,800	\$30,277	\$0	\$0	\$0	\$0
Hydrologic modeling / water availability SIR / fact sheet \$18 025 \$5.397	≡	Hydrogeologic Setting SIR	\$51,140	\$14,957	\$17,800	\$83,897	\$10,661	\$630	\$4,575	\$15,865	\$3,554	\$352	\$1,525	\$5,434
וילים מוספים וויספים אימים מישות מוויל וויסים אינים מוויסים ליכול הייסים ליכול הייס	2	Hydrologic modeling / water availability SIR / fact sheet	\$18,025	\$5,397	\$7,500	\$30,922	\$25,750	\$3,042	\$12,500	\$41,292	\$7,725	\$773	\$3,750	\$12,248
TOTAL \$393,103 \$133,604 \$1	DTAL		\$393,103	\$133,604	\$162,934	\$689,641	\$97,902	\$9,726	\$45,875	\$153,503	\$13,854	\$1,385	\$6,525	\$21,764

*Vearly costs are by county fiscal year (CFY) for Santa Barbara County (SB Co) and by federal fiscal year (FFY)for USGS and Vandenberg Airforce Base (VAFB).

*Cooperative matching funds for future fiscal years are subject to availability.