

Form 9-1366
(May 2018)

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JOINT FUNDING AGREEMENT

FOR

WATER RESOURCES INVESTIGATIONS

Customer #: 600000816
Agreement #: 15WSCA600081610_06
Project #: ZG00FUV
TIN #: 96-6002833
Fixed Cost
Agreement NO

THIS AGREEMENT is entered into as of the, 27th day of July, 2020 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	Date
\$470,804.00	November 1, 2014		October 31, 2021

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

Amount	Date	to	Date
\$0.00	November 1, 2014		October 31, 2021

USGS DUNS is 1761-38857. The amounts in 2(a) and 2(b) above are this amendment only. Total USGS funding for this agreement, including this amendment is \$823,431.00. Total SBCWA funding for this agreement, including this amendment remains at \$1,647,810.00. Total cost of this agreement is \$2,471,241.00

- (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/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)

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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/>).
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.

**U.S. Geological Survey
United States
Department of the Interior
USGS Point of Contact**

Santa Barbara County Water Agency

Name: Irene a. Rios, Budget Analyst
Address: 4165 Spruance Rd., Ste 200
San Diego, CA 92101
Telephone: 619-225-6156
Email: iaros@usgs.gov

Customer Point of Contact
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:	8-19-20	Signature:	_____	Date:	_____
Name:	Eric G. Reichard	Name:	_____	Title:	_____	Title:	_____
Title:	Director, USGS, CA Water Science Center	Title:	_____	Title:	_____	Title:	_____

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SANTA BARBARA COUNTY WATER AGENCY

By: 
Gregg Hart, Chair, Board of Directors

Date: 9-15-20


ATTEST:
MONA MIYASATO
COUNTY EXECUTIVE OFFICER
EX OFFICIO CLERK OF THE BOARD
OF DIRECTORS OF THE SANTA BARBARA
COUNTY WATER AGENCY

BY: 
Deputy

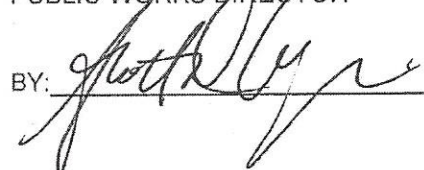
APPROVED AS TO FORM:
MICHAEL C. GHIZZONI
COUNTY COUNSEL


BY: Johannah L. Hartley (Aug 28, 2020 08:00 PDT)
Deputy


APPROVE AS TO ACCOUNTING FORM:
BETSY M. SCHAFER, CPA
AUDITOR-CONTROLLER

BY: 
Deputy

RECOMMENDED FOR APPROVAL:
SCOTT D. MCGOLPIN
PUBLIC WORKS DIRECTOR

BY: 

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

BY: 
Risk Manager



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
California Water Science Center
4165 Spruance Road, Suite 200
San Diego, CA 92101

July 27, 2020

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 United States Geological Survey (USGS). This amendment provides additional funding and extends the current agreement period through October 31, 2021.

The USGS increased its Cooperative Matching Funds (CMF) contribution by \$470,804.00. The total cost to the program to USGS over all fiscal years, including this amendment will be \$823,431.00. Total cost to customer over all fiscal years, including this amendment remains at \$1,647,810.

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 was originally planned as a 6-year project starting October 1, 2014 through September 30, 2019. 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 all tasks, and is anticipated to be completed during this agreement period.

The additional CMF will be used to complete the following work:

- Final calibration and documentation of the integrated hydrologic model (Task 3)
- Analysis of water availability using historic hydrologic data and the integrated hydrologic model (Task 4)
- Writing, review, and final publication of four USGS products:
 - Geohydrologic framework scientific journal article (in review)
 - Hydrologic characterization Scientific Investigations Report (SIR; in review)
 - Integrated hydrologic model SIR (in progress)
 - Project summary web page

Mr. Thomas D. Fayram, Deputy Director of Public Works, Water Resources, Santa Barbara County WA

Enclosed are two originals of the Joint Funding Agreement (JFA) 15WSCA600081610 amendment 6 for your approval. Work performed on this JFA will be conducted on a reimbursable basis. If you are in agreement with this JFA, please return a signed copy to our office for further processing. The other is for your files.

If you have any questions concerning the program described above, please contact Geoff Cromwell at (805) 928-9530 ext. 11 in our Santa Maria Field Office. If you have any administrative questions, please contact Irene Rios at (619) 225-6156.

Sincerely,



Eric Reichard
Director, USGS California Water Science Center

Enclosure
15WSCA600081610_06 (2)