



# United States Department of the Interior

U.S. GEOLOGICAL SURVEY  
Texas Water Science Center  
1505 Ferguson Lane  
Austin, TX 78754

May 28, 2019

Mr. Esteban Ramos  
Water Resources Manager  
City of Corpus Christi  
1201 Leopard Street  
Corpus Christi, TX 78401

Dear Mr. Ramos:

Enclosed are two signed originals of our standard joint-funding agreement for the project(s) Texas Water Science Center Water Resources Investigations, during the period October 1, 2019 through September 30, 2020 in the amount of \$166,350 from your agency. U.S. Geological Survey contributions for this agreement are \$28,950 for a combined total of \$195,300. Please sign and return one fully-executed original to Beau Griffin at the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **July 1, 2019**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Douglas Schnoebelen by phone number (210) 691-9262 or email [dschnoebelen@usgs.gov](mailto:dschnoebelen@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 Kandis Becher at phone number (682) 316-5051 or email at [kkbecher@usgs.gov](mailto:kkbecher@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,

Timothy H. Raines  
Director

Enclosure  
20SJFATX029000 (2)

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

Customer #: 600000486  
Agreement #: 20SJFATX029000  
Project #: SJ009ME  
TIN #: 74-6000574

Fixed Cost Agreement YES[ X ] NO[ ]

THIS AGREEMENT is entered into as of the October 1, 2019, by the U.S. GEOLOGICAL SURVEY, Texas Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Corpus Christi 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) \$28,950 by the party of the first part during the period October 1, 2019 to September 30, 2020
- (b) \$166,350 by the party of the second part during the period October 1, 2019 to September 30, 2020
- (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://www.usgs.gov/about/organization/science-support/science-quality-and-integrity/fundamental-science-practices>).

Form 9-1366  
(May 2018)

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

Customer #: 6000000486  
Agreement #: 20SJJFATX029000  
Project #: SJ009ME  
TIN #: 74-6000574

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: Douglas Schnoebelen  
Branch Chief - South Texas Program  
Address: 5563 DeZavala Road Suite 290  
San Antonio, TX 78249  
Telephone: (210) 691-9262  
Fax: (210) 691-9270  
Email: dschnoebelen@usgs.gov

**Customer Technical Point of Contact**

Name: Esteban Ramos  
Water Resources Manager  
Address: 1201 Leopard Street  
Corpus Christi, TX 78401  
Telephone: (361) 826-3294  
Fax:  
Email: estebanr2@cctexas.gov

**USGS Billing Point of Contact**

Name: Kandis Becher  
Budget Analyst  
Address: 501 W. Felix Street Bldg 24  
Fort Worth, TX 76115  
Telephone: (82) 316-5051  
Fax: (82) 316-5022  
Email: kkbecher@usgs.gov

**Customer Billing Point of Contact**

Name: M. P. Sudhakaran  
Water Resources Mgmt Advisor  
Address: 2726 Holly Road  
Corpus Christi, TX 78415  
Telephone: (361) 826-3667  
Fax: (361) 826-4420  
Email: mp@cctexas.com

U.S. Geological Survey  
United States  
Department of Interior

City of Corpus Christi

Signature

By  Date: 05/28/2019  
Name: Timothy H. Raines  
Title: Director

Signatures

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

By \_\_\_\_\_ Date: \_\_\_\_\_  
Name:  
Title:

**CITY OF CORPUS CHRISTI**  
**20SJFATX029000**

Station Number	Description	USGS Funds	City of Corpus Christi Funds	Total Funds
<b>001: SURFACE WATER</b>				
08194000	Nueces River at Cotulla, TX			
	Full Range Streamflow Station	\$4,580.00	\$11,320.00	\$15,900
	Precipitation	\$0.00	\$1,500.00	\$1,500
08194500	Nueces River near Tilden, TX			
	Full Range Streamflow Station	\$4,580.00	\$11,320.00	\$15,900
	Precipitation	\$0.00	\$1,500.00	\$1,500
08205500	Frio River near Derby, TX			
	Full Range Streamflow Station	\$4,580.00	\$11,320.00	\$15,900
	Precipitation	\$0.00	\$1,500.00	\$1,500
08206600	Frio River at Tilden, TX			
	Full Range Streamflow Station	\$4,580.00	\$11,320.00	\$15,900
08206900	Choke Canyon Reservoir nr Three Rivers, TX			
	Reservoir Contents	\$2,465.00	\$5,435.00	\$7,900
08206910	Choke Canyon Res. outflow nr Three Rivers, TX			
	Q below Base and Continous Stages	\$2,850.00	\$7,650.00	\$10,500
08210000	Nueces River near Three Rivers, TX			
FPS	Full Range Streamflow Station	\$0.00	\$0.00	\$0
08210500	Lake Corpus Christi near Mathis, TX			
	Reservoir Contents	\$2,465.00	\$5,435.00	\$7,900
08211000	Nueces River near Mathis, TX			
FPS	Full Range Streamflow Station	\$0.00	\$0.00	\$0
08211200	Nueces River above Bluntzer, TX			
	Q below Base and Continous Stages	\$2,850.00	\$7,650.00	\$10,500
	Precipitation	\$0.00	\$1,500.00	\$1,500
08211500	Nueces River at Calallen, TX			
FPS	Full Range Streamflow Station	\$0.00	\$0.00	\$0
08211502	Nueces River near Odem, TX			
	Q below Base with AVM and Continuous Stage	\$0.00	\$13,500.00	\$13,500
<b>SURFACE WATER TOTAL:</b>		<b>\$28,950</b>	<b>\$90,950</b>	<b>\$119,900</b>

**003:WATER QUALITY**

08211200	Nueces Rv at Bluntzer, Tx Temp., Cond., pH, Diss. Oxy., Turbidity Monitor (5-Parm)	\$0	\$43,000	\$43,000
08211502	Nueces River near Odem, TX Temp. and Cond. Monitor (2-Parm)	\$0	\$16,200	\$16,200
08211503	Rincon Bayou Channel near Calallen, TX Temp. and Cond. Monitor (2-Parm)	\$0	\$16,200	\$16,200
<b>WATER-QUALITY TOTAL:</b>		<u>\$0</u>	<u>\$75,400</u>	<u>\$75,400</u>

PROJECT	USGS FUNDS	CITY OF CORPUS CHRISTI FUNDS	TOTAL FUNDS
SURFACE WATER: 00170	\$28,950	\$90,950	\$119,900
WATER QUALITY: 00370	\$0	\$75,400	\$75,400
<b>TOTAL</b>	<b>\$28,950</b>	<b>\$166,350</b>	<b>\$195,300</b>