

**Form 9-1366
(May 2018)**

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

**Customer #: 600000492
Agreement #: 21MLJFATNDA083
Project #: ML009Z5
TIN #: 62-0694643**

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the July 1, 2021, by the U.S. GEOLOGICAL SURVEY, Lower Mississippi-Gulf Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Metropolitan Government of Nashville and Davidson Counties 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 the operation of 6 long-term continuous stage and discharge gages, 4 continuous water quality gages, 6 stage only gages on the Cumberland River and 6 flood monitoring gages on local tributaries to the Cumberland River in Davidson County. , 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) \$493,850 by the party of the first part during the period July 1, 2021 to June 30, 2026
- (b) \$1,048,650 by the party of the second part during the period July 1, 2021 to June 30, 2026
- (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>).

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9. Billing for this agreement will be rendered **annually**. 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: Shannon Williams
Hydrologist
Address: 640 Grassmere Park
Nashville, TN 37211
Telephone: (615) 837-4755
Fax: (615) 837-4799
Email: swilliam@usgs.gov

Customer Technical Point of Contact

Name: Jim Snyder
Metro Water Services
Address: 1600 Second Ave North
Nashville, tn 37208
Telephone: (615) 862-4553
Fax:
Email: jim.snyder@nashville.gov

USGS Billing Point of Contact

Name: Desvin Jones
Lead Budget Analyst
Address: 3535 South Sherwood Forest Blvd.
Suite 120
Baton Rouge, LA 70816
Telephone: (225) 298-5481 Ext 3114
Fax: (225) 298-5490
Email: ddjones@usgs.gov

Customer Billing Point of Contact

Name: Jim Snyder
Metro Water Services
Address: 1600 Second Ave North
Nashville, tn 37208
Telephone: (615) 862-4553
Fax:
Email: jim.snyder@nashville.gov

**U.S. Geological Survey
United States
Department of Interior**

**Metropolitan Government of Nashville and Davidson
Counties**

Signature

Signatures

By Rodney R. Knight Date: 3/11/2021
Name: Rodney Knight
Title: Director, Lower Mississippi Gulf-Water Science
Center

By _____ Date: _____
Name:
Title:

RODNEY KNIGHT Digitally signed by RODNEY KNIGHT
Date: 2021.03.11 14:43:38 -06'00'

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

Metropolitan Government of Nashville and Davidson Counties

Attachment for 21MLJFATNDA083
7/1/2021 to 6/30/2026

SURFACE WATER

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
03426387	MANSKER CREEK AT HWY 41 NEAR MILLERSVILLE, TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				
03426470	DRY CREEK NEAR EDENWOLD, TN Full Range Streamflow Station	QCONT	5	1	\$25,500	\$52,000		\$77,500
				SW Total:				
03426490	CUMBERLAND RIVER AT EDENWOLD, TN Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000		\$38,750
				SW Total:				
03430200	STONES RIVER AT US HWY 70 NEAR DONELSON, TN Full Range Streamflow Station	QCONT	5	1.5	\$38,250	\$74,250		\$112,500
				SW Total:				
03430250	CUMBERLAND RIVER AT STONES RIVER NEAR HERMITAGE, TN Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000		\$38,750
				SW Total:				
03430320	CUMBERLAND RIVER AT BRILEY PKWY NR INGLEWOOD, TN Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000		\$38,750
				SW Total:				
03430550	MILL CREEK NEAR NOLENSVILLE, TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				
03431040	SEVENMILE CREEK AT BLACKMAN RD,NR NASHVILLE TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				
03431060	MILL CREEK AT THOMPSON LANE, NEAR WOODBINE, TN Full Range Streamflow Station	QCONT	5	1	\$25,500	\$52,000		\$77,500
				SW Total:				
03431091	CUMBERLAND R AT OMOHUNDRO WTR PLT AT NASHVILLE, TN Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000		\$38,750
				SW Total:				
03431100	W F BROWNS C AT GLENDALE LANE AT NASHVILLE, TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				
03431300	BROWNS CREEK AT STATE FAIRGROUNDS AT NASHVILLE, TN Full Range Streamflow Station	QCONT	5	1	\$25,500	\$52,000		\$77,500
				SW Total:				
03431500	CUMBERLAND RIVER AT NASHVILLE, TN Full Range Streamflow Station	QCONT	5	1.5				
				SW Total:				
03431514	CUMBERLAND RIVER NEAR BORDEAUX, TN Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000		\$38,750
				SW Total:				
03431530	WHITES C AT OLD HICKORY BLVD AT WHITES CREEK, TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				
03431599	WHITES CREEK NEAR BORDEAUX, TN Full Range Streamflow Station	QCONT	5	1	\$25,500	\$52,000		\$77,500
				SW Total:				
03431655	RICHLAND CREEK AT HARDING PLACE AT BELLE MEADE, TN Discharge, Continuous, High-flow only	QCONT-HIGH	5	1	\$18,700	\$38,800		\$57,500
				SW Total:				

03431700	RICHLAND CREEK AT CHARLOTTE AVE, AT NASHVILLE, TN Full Range Streamflow Station	QCONT	5	1	\$25,500	\$52,000	
				SW Total:			\$77,500
03431712	CUMBERLAND RIVER AT BRILEY PKWY AT COCKRILL BEND Stage, Continuous	STGCONT	5	1	\$12,750	\$26,000	
				SW Total:			\$38,750
				SW Grand Total:	\$354,450	\$723,050	\$1,077,500

**Metropolitan Government of Nashville and Davidson Counties
21MLJFATNDA083 (continued)**

SITE NUMBER	DESCRIPTION	CODE	NO. UNITS	DIFF FACTOR	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
03430200	STONES RIVER AT US HWY 70 NEAR DONELSON, TN Water Quality, Continuous	WQCONT	5	1	\$34,000	\$76,000		
				WQ Total:				\$110,000
03431083	MILL CREEK AT LEBANON ROAD AT NASHVILLE, TN Water Quality, Continuous	WQCONT	5	1	\$37,400	\$97,600		
				WQ Total:				\$135,000
03431091	CUMBERLAND R AT OMOHUNDRO WTR PLT AT NASHVILLE, TN Water Quality, Continuous	WQCONT	5	1	\$34,000	\$76,000		
				WQ Total:				\$110,000
03431514	CUMBERLAND RIVER NEAR BORDEAUX, TN Water Quality, Continuous	WQCONT	5	1	\$34,000	\$76,000		
				WQ Total:				\$110,000
				WQ Grand Total:	\$139,400	\$325,600		\$465,000

SUMMARY FOR 21MLJFATNDA083

Metropolitan Government of Nashville and Davidson Counties

TYPE	USGS FUNDS	CUST. CASH	OTHER FUNDS	TOTAL COST
SURFACE WATER (SW)	\$354,450	\$723,050		\$1,077,500
(WQ)	\$139,400	\$325,600		\$465,000
GRAND TOTAL	\$493,850	\$1,048,650		\$1,542,500