



# United States Department of the Interior

U.S. GEOLOGICAL SURVEY  
South Atlantic Water Science Center  
3916 Sunset Ridge Road  
Raleigh, NC 27607

June 14, 2017

Mr. David Phlegar, Water Quality Supervisor  
City of Greensboro, Storm Water Management Division  
P.O. Box 3136  
Greensboro, North Carolina 27402-3136

Dear Mr. Phlegar:

Thank you for your continuing support of U.S. Geological Survey data programs, which we conduct across North Carolina in cooperation with more than 30 local, State and Federal agencies.

Our program with the City of Greensboro for the period July 1, 2017 through June 30, 2022 is summarized in the enclosed table.

Also enclosed are two copies of the Joint Funding Agreement (JFA). Please have the enclosed JFA signed and return one copy to us before June 30, 2017. Regulations state that we cannot continue to work or start new work until we receive the signed agreement. Our current JFA expires June 30, 2017. Work performed with funds from this agreement will be conducted on a fixed-price basis. The results of all work under this agreement will be available for publication by the USGS. The funding that is indicated as USGS on the funding summary table is subject to the availability of USGS Cooperative Matching Funds.

Let us know if you have any questions about our program or if we can assist you in any other way. If you have any questions, please call me at (919) 571-4021 or Jeanne Robbins at (919) 571-4017.

Sincerely,

Chad Wagner, Acting Director  
USGS South Atlantic Water Science Center

Enclosures

Copy to: Jeanne Robbins, USGS, Raleigh, NC

Detailed Hydrologic Data Collection Program for the City of Greensboro, July 1, 2017 – June 30, 2018 and summary for the continuing period through June 30, 2022

Station No.	Location	Data Collected	City of Greensboro (FY18)	USGS (FY18)	Total (FY18)
02093800	Reedy Fork near Oak Ridge, NC	Streamflow, Rainfall	3,200	USGS Program Funded Streamflow	3,200
02093877	Brush Creek at Muirfield Rd at Greensboro, NC	Streamflow	8,000	7,000	15,000
360733079552145	Raingage at Brush Creek at Muirfield Rd nr Greensboro, NC	Rainfall	6,500	0	6,500
0209399200	Horsepen Creek at US 220 Nr Greensboro, NC	Streamflow, Rainfall (Stand-alone)	19,500	2,000	21,500
02094500	Reedy Fork near Gibsonville, NC	Streamflow	8,000	7,000	15,000
02094659	South Buffalo Creek Nr Pomona, NC	Streamflow, Rainfall	16,200	2,000	18,200
02094770	South Buffalo Creek at US 220 at Greensboro, NC	Streamflow, Rainfall	11,200	7,000	18,200
02094775	Ryan Creek below US 220 at Greensboro, NC	Streamflow, Rainfall	11,200	7,000	18,200
02095000	South Buffalo Creek nr Greensboro, NC	Streamflow, Rainfall	16,200	2,000	18,200
02095181	N Buffalo Cr at Westover Terrace at Greensboro, NC	Streamflow, Rainfall	11,200	7,000	18,200
02095271	North Buffalo Creek at Church St at Greensboro, NC	Streamflow, Rainfall	11,200	7,000	18,200
02095500	North Buffalo Creek near Greensboro, NC	Streamflow, Rainfall	11,200	7,000	18,200
0209533650	Buffalo Creek at SR2819 nr McLeansville, NC	Streamflow, Rainfall	11,200	7,000	18,200
<b>TOTAL</b>			<b>\$144,800</b>	<b>\$62,000</b>	<b>\$206,800</b>

Funding Through Fiscal Year 2022	7/1/2017 - 6/30/2018	7/1/2018 - 6/30/2019	7/1/2019 - 6/30/2020	7/1/2020 - 6/30/2021	7/1/2021 - 6/30/2022	Entire period
Fiscal Year	FY18	FY19	FY20	FY21	FY22	Total
City of Greensboro	\$144,800	\$153,600	\$162,400	\$171,200	\$181,100	\$813,100
USGS	\$62,000	\$62,000	\$62,000	\$62,000	\$62,000	\$310,000
Total	\$206,800	\$215,600	\$224,400	\$233,200	\$243,100	\$1,123,100

Form 9-1366  
(April 2015)

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

Agreement#: 17ESMPN00000066  
Customer#: 6000000181  
Project #: MP00  
TIN #: 07-1572374  
USGS DUNS #: 191497072

Fixed Cost Agreement YES[ X ] NO[ ]

THIS AGREEMENT is entered into as of the July 1, 2017, by the U.S. GEOLOGICAL SURVEY, South Atlantic Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the City of Greensboro 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) \$310,000 by the party of the first part during the period  
July 1, 2017 to June 30, 2022
- (b) \$813,100 by the party of the second part during the period  
July 1, 2017 to June 30, 2022
- (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: N/A

- (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.

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.).

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FOR  
Water Resource Investigations

Agreement#: 17ESMPN00000066  
Customer#: 6000000181  
Project #: MP00  
TIN #: 07-1572374  
USGS DUNS #: 191497072

**USGS Technical Point of Contact**

Name: Jeanne Robbins  
Supervisory Hydrologist  
Address: 3916 Sunset Ridge Road  
Raleigh, NC 27607  
Telephone: (919) 571-4017  
Fax: (919) 571-4041  
Email: jrobbins@usgs.gov

**Customer Technical Point of Contact**

Name: David Phlegar  
Address: P.O. Box 3136  
Greensboro, NC 27402-3136  
Telephone: (336) 373-2707  
Fax:  
Email: david.phlegar@greensboro-nc.gov

**USGS Billing Point of Contact**

Name: Angie Woods  
Administrative Specialist  
Address: 720 Gracern Road  
Columbia, SC 29210  
Telephone: (803) 750-6195  
Fax: (803) 750-6181  
Email: alwoods@usgs.gov

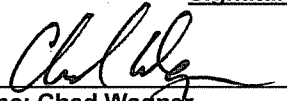
**Customer Billing Point of Contact**

Name: David Phlegar  
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Telephone: (336) 373-2707  
Fax:  
Email: david.phlegar@greensboro-nc.gov

U.S. Geological Survey  
United States  
Department of Interior

City of Greensboro

Signature

By  Date: June 14, 2017  
Name: Chad Wagner  
Title: Acting Director

Signatures

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

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

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