United States Department of the Interior

U.S. GEOLOGICAL SURVEY
CENTRAL MIDWEST WATER SCIENCE CENTER

MISSOURI
1400 Independence Rd. MS100
Rolla, MO 65401

ILLINOIS
405 N. Goodwin Ave.
Urbana, IL 61801

IOWA
400 S. Clinton St. Rm 269
Iowa City, IA 52240

July 6, 2022

Mr. Adam Wallen

McHenry County
2200 North Seminary Avenue
Woodstock, Illinois 60098

Dear Mr. Wallen:

Attached is our standard joint-funding agreement for the continuous monitoring of groundwater levels at 37 well locations and the operation and maintenance of a stream-gaging station on the Kishwaukee River, for the period October 1, 2022 through September 30, 2025 in the amount of $399,750 from your agency. U.S. Geological Survey contributions for this agreement are $72,000 for a combined total of $471,750. Please sign and return one fully-executed original to Alex D. Arduser via email at aarduser@usgs.gov.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by **October 1, 2022**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jonathan Lageman by phone number (815) 752-2035 or email jlageman@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 Alex Arduser at phone number (319) 358-3656 or email at aarduser@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,

Kelly Warner
Deputy Director, Central Midwest WSC

Enclosure
23NEJFA032

Form 9-1366
(May 2018)

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

Customer #: 6000001700
Agreement #: 23NEJFA032
Project #: NE009KT
TIN #: 36-6006623

Fixed Cost Agreement YES[X] NO[ ]

THIS AGREEMENT is entered into as of the October 1, 2022, by the U.S. GEOLOGICAL SURVEY, Central Midwest Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the McHenry County 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 continuous monitoring of groundwater levels at 37 well locations and the operation and maintenance of a stream-gaging station on the Kishwaukee River**, 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) $72,000 by the party of the first part during the period October 1, 2022 to September 30, 2025

(b) $399,750 by the party of the second part during the period October 1, 2022 to September 30, 2025

(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 #: 6000001700
Agreement #: 23NEJFA032
Project #: NE009KT
TIN #: 36-6006623

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:	Jonathan Lageman Supervisory Hydrologist
Address:	650 G Peace Road DE Kalb, IL 60115
Telephone:	(815) 752-2035
Fax:	
Email:	jlageman@usgs.gov

Customer Technical Point of Contact

Name:	Adam Wallen
Address:	2200 North Seminary Avenue Woodstock, Illinois 60098
Telephone:	(815) 334-4560
Fax:	
Email:	apwallen@mchenrycountyil.gov

USGS Billing Point of Contact

Name:	Alex Arduser Budget Analyst
Address:	400 S Clinton St Room 269 Iowa City, IA 52240
Telephone:	(319) 358-3656
Fax:	(319) 358-3606
Email:	aarduser@usgs.gov

Customer Billing Point of Contact

Name:	Joanna Colletti, P.E., CFM Water Resources Manager/Chief Stormwater Engineer
Address:	2200 North Seminary Ave. Woodstock, IL 60098
Telephone:	(815) 334-4560
Fax:	
Email:	jscolletti@mchenrycountyil.gov

U.S. Geological Survey
United States
Department of Interior

Signature

Acting For:
By KELLY WARNER Digitally signed by KELLY WARNER Date: 2022.07.06 11:23:20 -05'00' **Date: 07/06/2022**
Name: Amy Beussink
Title: Director, Central Midwest WSC

McHenry County

Signatures

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

By_____ **Date:** _____
Name:
Title:

McHenry County
Attachment for 23NEJFA032
10/1/2022 to 9/30/2025

SURFACE WATER

SITE NUMBER & DESCRIPTION	FUNDS USGS	COOP	TOTAL
05438170 KISHWAUKEE RIVER AT MARENGO, IL			
Full Range Streamflow Station	$400	$14,400	
Full Range Streamflow Station	$400	$14,400	
Full Range Streamflow Station	$400	$14,400	**$44,400**
Total:	**$1,200**	**$43,200**	**$44,400**

SITE NUMBER & DESCRIPTION	FUNDS USGS	COOP	TOTAL
421056088380801 43N5E-27.4h1 (14-RIL-S)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421120088281801 43N7E-19.8d (HUNT-09-03)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421122088222701 43N7E-23.1d1 (16-GRF-I)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421122088222702 43N7E-23.1d2 (16-GRF-D)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421145088194801 43N8E-20.6h1 (17-ALG-S)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421145088194802 43N8E-20.6h2 (17-ALG-D)			
Groundwater level, Continuous	$637	$2,763	
Groundwater level, Continuous	$637	$3,213	
Groundwater level, Continuous	$637	$3,663	**$11,550**
421321088341101 43N6E-07.1g (MARS-09-01)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421341088283701 43N6E-01.3b1 (15-COR-S)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421341088283703 43N6E-01.3b3 (15-COR-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421533088421801 44N5E-30.8c1 (10-MAR-S) (McHenry Co CRN)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421547088142301 44N9E-25.1d (WAUC-02-12)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421626088311401 44N6E-22.4c1 (11-SEN-I)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421653088370901 44N5E-23.5g (MARN-09-02)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421653088370902 44N5E-23.5g2 (MARN-10-03)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421747088270701 44N7E-17.8h1 (WOOD-08-01)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421820088154501 44N8E-11.3d1 (13-NUN-I)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
421914088125301 44N9E-05.7d1 (WAUC-08-13)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422032088222001 45N7E-25.7a (MHEN-08-01)			
Groundwater level, Continuous	$637	$2,762	

Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422120088330901 45N6E-29.1h (MARN-09-01)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422142088303101 45N6E-23.7d1 (7-HRT-S)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422142088303102 45N6E-23.7d2 (7-HRT-I)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422142088303103 45N6E-23.7d3 (7-HRT-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422308088195601 45N8E-17.7h1 (9-MCH-S)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422308088195602 45N8E-17.7h2 (9-MCH-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422308088231001 45N7E-11.5a1 (8-GRN-I)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422308088231002 45N7E-11.5a2 (8-GRN-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422308088264201 45N7E-08.5a (HEBR-08-02)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422358088360201 45N5E-12.5h (HARV-09-01)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422433088140601 45N9E-06.7e (NW-6-45-9)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422704088385301 46N5E-21.1d1 (1-CHE-S)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422828088333301 46N6E-08.46l (2-ALD-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422845088285401 46N6E-12.5d (HEBR-09-03)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422848088191001 46N8E-08.2e1 (4-RCH-S)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422848088191002 46N8E-08.2e2 (4-RCH-I)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422848088191003 46N8E-08.2e3 (4-RCH-D)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422858088235601 46N7E-10.2f (HEBR-08-01)			
Groundwater level, Continuous	$637	$2,762	
Groundwater level, Continuous	$637	$3,212	
Groundwater level, Continuous	$637	$3,662	**$11,547**
422925088255401 46N7E-04.8b1 (3-HEB-I)			
Groundwater level, Continuous	$668	$2,762	

Groundwater level, Continuous	$668	$3,212	
Groundwater level, Continuous	$668	$3,662	**$11,640**
Total:	**$70,800**	**$356,550**	**$427,350**
GRAND TOTAL:	**$72,000**	**$399,750**	**$471,750**