

**WHATCOM COUNTY CONTRACT
INFORMATION SHEET**

Whatcom County Contract No.
202208024

Originating Department:	Public Works
Division/Program: <i>(i.e. Dept. Division and Program)</i>	River and Flood/907540
Contract or Grant Administrator:	Paula Harris
Contractor's / Agency Name:	United States Geological Survey
Is this a New Contract? If not, is this an Amendment or Renewal to an Existing Contract? Yes <input type="radio"/> No <input checked="" type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> If Amendment or Renewal, (per WCC 3.08.100 (a)) Original Contract #: _____	
Does contract require Council Approval? Yes <input checked="" type="radio"/> No <input type="radio"/> If No, include WCC: _____ Already approved? Council Approved Date: _____ (Exclusions see: Whatcom County Codes 3.06.010, 3.08.090 and 3.08.100)	
Is this a grant agreement? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, grantor agency contract number(s): _____ CFDA#: _____	
Is this contract grant funded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, Whatcom County grant contract number(s): _____	
Is this contract the result of a RFP or Bid process? Contract _____ Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, RFP and Bid number(s): _____ Cost Center: 169110	
Is this agreement excluded from E-Verify? No <input type="radio"/> Yes <input checked="" type="radio"/> If no, include Attachment D Contractor Declaration form.	
If YES, indicate exclusion(s) below: <input type="checkbox"/> Professional services agreement for certified/licensed professional. <input type="checkbox"/> Goods and services provided due to an emergency <input type="checkbox"/> Contract work is for less than \$100,000. <input type="checkbox"/> Contract for Commercial off the shelf items (COTS). <input type="checkbox"/> Contract work is for less than 120 days. <input type="checkbox"/> Work related subcontract less than \$25,000. <input checked="" type="checkbox"/> Interlocal Agreement (between Governments). <input type="checkbox"/> Public Works - Local Agency/Federally Funded FHWA.	
Contract Amount:(sum of original contract amount and any prior amendments): \$ 199,672 This Amendment Amount: \$ _____ Total Amended Amount: \$ 199,672	Council approval required for; all property leases, contracts or bid awards exceeding \$40,000 , and professional service contract amendments that have an increase greater than \$10,000 or 10% of contract amount, whichever is greater, except when: 1. Exercising an option contained in a contract previously approved by the council. 2. Contract is for design, construction, r-o-w acquisition, prof. services, or other capital costs approved by council in a capital budget appropriation ordinance. 3. Bid or award is for supplies. 4. Equipment is included in Exhibit "B" of the Budget Ordinance. 5. Contract is for manufacturer's technical support and hardware maintenance of electronic systems and/or technical support and software maintenance from the developer of proprietary software currently used by Whatcom County.
Summary of Scope: The annual Joint Funding Agreement with the USGS funds the ongoing operation and maintenance of the County's six stream gages within the Nooksack River early flood warning system and the addition of three new gages and other upgrades to the system.	
Term of Contract:	Expiration Date: September 30, 2023

Contract Routing:	1. Prepared by: Paula Harris	Date: 8/25/2022
	2. Attorney signoff: Christopher Quinn	Date: 8/26/2022
	3. AS Finance reviewed: M Caldwell	Date: 8/26/22
	4. IT reviewed (if IT related):	Date: _____
	5. Contractor signed: _____ ✓	Date: 8-16-22
	6. Submitted to Exec.: _____ ✓	Date: 9-19-22
	7. Council approved (if necessary): AB2022-479	Date: 9-13-22
	8. Executive signed: _____ ✓	Date: 9-19-22
	9. Original to Council: _____ ✓	Date: 9-21-22



United States Department of the Interior

U.S. GEOLOGICAL SURVEY
Washington Water Science Center
934 Broadway St, Ste 300
Tacoma, WA 98402

August 16, 2022

Mrs. Paula Harris
Manager, River and Flood Division
Whatcom County Public Works
322 N Commercial Street, Suite 210
Bellingham, WA 98225-4042

Dear Mrs. Harris:

Enclosed is our standard joint-funding agreement (23YGJFA04200) between the U.S. Geological Survey Washington Water Science Center and Whatcom County Public Works for the operation and maintenance of streamgages for discharge, stage only, climate, and imagery during the period October 1, 2022, through September 30, 2023, in the amount of \$199,672 from your agency. U.S. Geological Survey contributions for this agreement are \$11,909 for a combined total of \$211,581. Please sign and return one fully-executed original to Sharbra Gordon-scott gs-w-wa_admin_dropbox@usgs.gov.

The full scope of work is described in the attached document with changes between FY22 and FY23 described below for convenience:

- Two additional flood measurements on the Nooksack River at both (12210700) North Cedarville, WA, and (12211200) Everson, WA.
- Addition of cameras and cellular telemetry to streamgages (12211195) Nooksack Overflow at Hwy 544 and (# TBD) Nooksack Overflow at Emerson Road.
- Elevation surveying of public infrastructure near streamgages (12211200) Everson, WA, (12211195) Nooksack Overflow at Hwy 544, and (# TBD) Nooksack Overflow at Emerson Road for inclusion in the [USGS Flood Impact Map](#).
- Publication of stage at (12210220) Jones Creek at Acme, WA.
- Installation and operation of a new seasonal (6 mos., October - March) stage-only streamgage on Emerson Road at Everson, WA.
- Installation and operation of a new seasonal (6 mos., October - March) discharge streamgage on the Sumas River (location TBD).
- Installation and operation of a new discharge streamgage on the Nooksack River at Guide Meridian Road at Lynden, WA.

New work will be completed as soon as possible upon receipt of a signed agreement and permit approval. The USGS requests the assistance of Whatcom County Public Works in acquiring approved state and local permits to install the new streamgages and remove trees from measuring sections.

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 Christopher Laveau by phone number (701) 213-8694 or email cdlaveau@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 Sharbra Gordon-scott at phone number (253) 552-1698 or email at gs-w-wa_admin_dropbox@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,

CYNTHIA
BARTON

Digitally signed by
CYNTHIA BARTON
Date: 2022.08.16
14:23:54 -07'00'

Cynthia Barton, Ph.D, LHG, LG
Center Director

Enclosure
23YGJFA04200 (1)

Form 9-1366
(May 2018)

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

Customer #: 600000721
Agreement #: 23YGJFA04200
Project #: YG00H1U 001
TIN #: 91-6001383

Fixed Cost Agreement YES[X] NO[]

THIS AGREEMENT is entered into as of the **October 1, 2022**, by the U.S. GEOLOGICAL SURVEY, Washington Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Whatcom County Public Works 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) **\$11,909** by the party of the first part during the period
October 1, 2022 to September 30, 2023
- (b) **\$199,672** by the party of the second part during the period
October 1, 2022 to September 30, 2023
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$6,125

Description of the USGS regional/national program: USGS Federal Priority Streamgauge 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

Customer #: 600000721
Agreement #: 23YGJFA04200
Project #: YG00H1U 001
TIN #: 91-6001383

Water Resource Investigations

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: Christopher Laveau
Supervisory Hydrologist
Address: 934 Broadway Suite 300
Tacoma, WA 98402
Telephone: (701) 213-8694
Fax:
Email: cdlaveau@usgs.gov

Customer Technical Point of Contact

Name: Paula Harris
Manager, River and Flood Divison
Address: Whatcom County Public Works Dept.
322 N Commercial Street, Suite 210
Bellingham, WA 98225-4042
Telephone: (360) 778-6285
Fax:
Email: pharris@co.whatcom.wa.us

USGS Billing Point of Contact

Name: Sharbra Gordon-scott
Budget Analyst
Address: 934 Broadway Suite 300
Tacoma, WA 98402
Telephone: (253) 552-1698
Fax: (253) 552-1581
Email: sgordon-scott@usgs.gov

Customer Billing Point of Contact

Name: Paula Harris
Manager, River and Flood Divison
Address: Whatcom County Public Works Dept.
322 N Commercial Street, Suite 210
Bellingham, WA 98225-4042
Telephone: (360) 778-6285
Fax:
Email: pharris@co.whatcom.wa.us

U.S. Geological Survey
United States
Department of Interior

Whatcom County Public Works

Signature

By CYNTHIA BARTON Digitally signed by
CYNTHIA BARTON
Date: 2022.08.16
14:25:34 -0700' Date: _____
Name: Cynthia Barton, Ph.D, LHG, LG
Title: Center Director

Signatures

By  Date: 9/19/22
Name: Tyler Schroeder
Title: Deputy County Executive

By _____ Date: _____
Name:
Title:

By _____ Date: _____
Name:
Title:

Whatcom County Public Works
Attachment for 23YGJFA04200
10/1/2022 to 9/30/2023

SURFACE WATER

SITE NUMBER & DESCRIPTION	FUNDS		
	USGS	COOP	TOTAL
12205000 NF NOOKSACK RIVER BL CASCADE CREEK NR GLACIER, WA Full Range Streamflow Station	\$6,989	\$16,331	\$23,320
12208000 MF NOOKSACK RIVER NEAR DEMING, WA Full Range Streamflow Station		\$3,521	\$3,521
12210000 SF NOOKSACK RIVER AT SAXON BRIDGE, WA Full Range Streamflow Station		\$17,195	\$17,195
12210220 JONES CREEK AT ACME, WA Stage, Continuous Seasonal 9 mos. (Oct – June)		\$6,818	\$6,818
12210700 NOOKSACK RIVER AT NORTH CEDARVILLE, WA Full Range Streamflow Station (New FY23) 2 Extra Discharge, Measurements		\$13,514 \$2,680	\$16,194
12211195 NOOKSACK R OVERFLOW AT HIGHWAY 544 AT EVERSON, WA Stage, Continuous Seasonal 6 mos. (Oct – Mar.)		\$4,545	\$4,545
12211200 NOOKSACK RIVER AT EVERSON, WA Full Range Streamflow Station (New FY23) 2 Extra Discharge, Measurements		\$23,320 \$2,680	\$26,000
12213100 NOOKSACK RIVER AT FERNDALE, WA Full Range Streamflow Station	\$4,920	\$18,400	\$23,320
TBD - NOOKSACK R OVERFLOW AT EMERSON RD (New FY23) Equipment purchase & installation (New FY23) Stage, Continuous Seasonal 6 mos. (Oct. – Mar.)		\$16,000 \$4,545	\$20,545
TBD - NOOKSACK RIVER AT LYNDEN (New FY23) Equipment purchase & installation (New FY23) Full Range Streamflow Station		\$9,000 \$22,380	\$31,380
TBD - SUMAS R. BETWEEN EVERSON & SUMAS, WA (New FY23) Equipment purchase & installation (New FY23) Full Range Streamflow Station Seasonal 6 mos. (Oct. – Apr.)		\$9,000 \$11,190	\$20,190
Total:	\$11,909	\$181,119	\$193,028

CLIMATE

SITE NUMBER & DESCRIPTION	FUNDS		
	USGS	COOP	TOTAL
12210220 JONES CREEK AT ACME, WA Precipitation & AT, Continuous Seasonal (unpublished) 9 mos. (Oct. – June)		\$2,123	\$2,123
12210700 NOOKSACK RIVER AT NORTH CEDARVILLE, WA Precipitation & AT, Continuous (unpublished)		\$2,830	\$2,830
Total:		\$4,953	\$4,953

MISCELLANEOUS

SITE NUMBER & DESCRIPTION	FUNDS		
	USGS	COOP	TOTAL
12211195 NOOKSACK R OVERFLOW AT HIGHWAY 544 AT EVERSON, WA (New FY23) Cellular telemetry and camera operation (New FY23) Purchase and installation of camera (New FY23) Infrastructure surveying for use in Flood Impact Map		\$1,800 \$2,000 \$2,000	\$5,800
12211200 NOOKSACK RIVER AT EVERSON, WA (New FY23) Infrastructure surveying for use in Flood Impact Map		\$2,000	\$2,000
TBD - NOOKSACK R OVERFLOW AT EMERSON RD - (New FY23) Cellular telemetry and camera operation (New FY23) Purchase and installation of camera (New FY23) Infrastructure surveying for use in Flood Impact Map		\$1,800 \$2,000 \$2,000	\$5,800
Total:		\$13,600	\$13,600

GRAND TOTAL: \$11,909 \$199,672 \$211,581



MEMORANDUM

TO: The Honorable Satpal Singh Sidhu, Whatcom County Executive, and the Honorable Members of the Whatcom County Council, collectively serving in their capacity as the Whatcom County Flood Control Zone District Board of Supervisors

THROUGH: Jon Hutchings, Public Works Director

FROM: Paula J. Harris, P.E., River and Flood Manager *PH*
Gary Stoyka, Natural Resources Program Manager *GS*

DATE: August 25, 2022

RE: Joint Funding Agreement with United States Geological Survey for Early Flood Warning Gages

RECEIVED

SEP 19 2022

WHATCOM COUNTY
EXECUTIVE'S OFFICE

Enclosed is a Joint Funding Agreement between the Whatcom County Flood Control Zone District (FCZD) and the United States Geological Survey (USGS) for your review and signature.

▪ **Background and Purpose**

The FCZD has worked cooperatively with the USGS for a number of years to collect stream-gaging data on a real-time basis for early flood warning and flood response. Financing of this program is provided on a cost-share basis through the USGS Cooperative Program. Similar to last year's Joint Funding Agreement, it includes the six early warning gages on the Nooksack River and its upper forks, plus the Jones Creek gage and the Everson overflow gage at Main Street. This year's JFA also includes the following additions and upgrades to the network:

- Additional high flow measurements to improve the rating curves used to estimate flows from measured stages at the Cedarville and Everson gages
- Installation of a new overflow gage at Emerson Road to monitor overflow into the Everson-Sumas corridor
- Installation of cameras and cellular telemetry at the Emerson Road and Everson Main Street overflow gages
- Installation of a new gage on the Sumas River which also contributes significant flow to the Everson-Sumas overflow corridor
- Installation of a new river gage at the Guide-Meridian

These additions and upgrades are intended to improve our early warning system and our long-term planning and flood hazard reduction efforts.

▪ **Funding Amount and Source**

The proposed Joint Funding Agreement is for a total amount of \$217,706, of which \$11,909 will be funded by the USGS through Cooperative Matching Funds. The FCZD fund will provide \$199,672, with \$6,818 from the Acme/Van Zandt Subzone fund, and the City of Abbotsford will reimburse \$4,545

in accordance with the existing Interlocal Agreement for the Everson Main Street Overflow gaging station.

Similar to last year, another portion (\$6,125) of the total USGS contribution of \$18,034 is through its Federal Priority Streamgagage Program, which is reflected in the Joint Funding Agreement (item 2c.) but not in Attachment A as the agreement is only for Cooperative Water Program funding. We are currently negotiating a grant agreement with the Washington Department of Commerce that may provide as much as \$91,075 to offset the costs of the gaging improvements.

▪ **Differences from Previous Contract**

This year's costs are \$94,751 higher than the cost of services provided last year, primarily due to the additions and upgrades to the gaging network.

Please contact Paula Harris at extension 6285 if you have any questions or concerns regarding the terms of this agreement.

Encl.