The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner

NHDES

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May 15, 2023

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord NH 03301

REQUESTED ACTION

Authorize the Department of Environmental Services (DES) to enter into a **SOLE SOURCE** Joint Funding Agreement with the U.S. Geological Survey (USGS), Pembroke, NH, (VC # 175772-R001), in the amount of $526,910.00 for streamflow gaging, effective as of July 1, 2023 through June 30, 2025, upon Governor & Council approval. 43% General Funds, 30% Interagency Funds and 27% Other Funds.

Funding is available in the accounts as follows. Funding for FY 2024 and FY 2025 is contingent upon continuing appropriation and availability of funds.

Department of Environmental Services	FY 2024	FY 2025	TOTAL
03-44-44-442010-3800-102-500731 Dam Bureau Administration Contracts for Program Services	$189,530	$195,670	$385,200
03-44-44-442010-3812-102-500731 Connecticut-Coos Project Contracts for Program Services	$31,160	$54,270	$85,430
03-44-44-442010-3817-102-500731 Dam Maintenance Program Contracts for Program Services	$27,690	$28,590	$56,280
TOTAL	$248,380	$278,530	$526,910

EXPLANATION

Under the Joint Funding Agreement, USGS will operate and maintain the existing network of 27 streamflow gages for FY 2024 and 2025. This agreement is **sole source** because USGS is the only provider that operates the Streamflow Gaging Program in New Hampshire and because USGS is funding 36.7% of the cost of the program. See the attached Agreement for the list of gage stations.

The state's participation in the USGS Cooperative Streamflow Gaging Program is authorized under RSA 482:85. Under the Cooperative Streamflow Gaging Program, the USGS operates and maintains gaging stations throughout New Hampshire and collects and publishes data on the flows in rivers and streams in the

state. The data are used by numerous state and federal programs as well as municipalities and private industry. The data support emergency response, flood control and water management, planning activities, permitting, and hydraulic structure design.

Under this agreement the USGS will provide $305,140 (approximately 36.7%) in funds towards the total cost of $832,050 to operate the stream gaging network for the next two years, with the balance of $526,910 (approximately 63.3%) being provided by the State. The State share is funded by DES (70%) and the Department of Transportation (30%) as established in a Memorandum of Agreement approved by Governor and Council on December 3, 2014 (Item 63). This Agreement has been approved by the Department of Justice as to form, content and execution.

We respectfully request your approval.

Robert R. Scott
Commissioner

United States Department of the Interior

U.S. GEOLOGICAL SURVEY
New England Water Science Center
New Hampshire-Vermont Office
331 Commerce Way
Pembroke, NH 03275

June 6, 2023

Corey Clark
Chief Engineer
New Hampshire Department of Environmental Services
NH DES Water Division
29 Hazen Drive
Concord, NH 03302

Dear Mr.Clark:

Enclosed is a digitally signed version of our standard joint-funding agreement for the investigations of the water resources of the State of New Hampshire, specifically the operations and maintenance of a stream monitoring network by the U.S. Geological Survey, during the period July 1, 2023 through June 30, 2025 in the amount of $526,910 from your agency (per attached). U.S. Geological Survey contributions for this agreement are $305,140 for a combined total of $832,050 Please sign and return one fully-executed original to Laurie Beley 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, 2023**. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Richard Kiah by phone number (603) 226-7819 or email rkiah@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 Laurie Beley at phone number (860) 291-6750 or email at lbeley@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,

Richard Kiah

Richard Kiah
Supervisory Hydrologic Technician

Enclosure
23LGJFANH000010

Form 9-1366
(May 2018)

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

Customer #: 6000000093
Agreement #: 23LGJFANH000010
Project #: LG00TVN
TIN #: 02-6000618

Fixed Cost Agreement YES[X] NO[ ]

THIS AGREEMENT is entered into as of the July 1, 2022, by the U.S. GEOLOGICAL SURVEY, New England Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the New Hampshire Department of Environmental Services 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 for the investigations of the water resources of the State of New Hampshire, specifically the operations and maintenance of a streamgaging and monitoring network, as set forth in the attached U.S. Geological Survey Propasal, with Table 1, Table 2, and Table 3, herein called the "program" and incorporated by reference. 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) $305,140 by the party of the first part during the period July 1, 2023 to June 30, 2025

(b) $526,910 by the party of the second part during the period July 1, 2023 to June 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://www2.usgs.gov/fsp/).

Form 9-1366
(May 2018)

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

Customer #: 6000000093
Agreement #: 23LGJFANH000010
Project #: LG00TVN
TIN #: 02-6000618

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: Richard Kiah
Supervisory Hydrologic Technician
Address: 331 Commerce Way Suite #2
Pembroke, NH 03275-3718
Telephone: (603) 226-7819
Fax: (603) 226-7894
Email: rkiah@usgs.gov

Customer Technical Point of Contact

Name: Corey Clark
Chief Engineer
Address: 29 Hazen Drive
Concord, NH 03302
,
Telephone: (603) 271-1961
Fax: (603) 271-6120
Email: corey.j.clark@des.nh.gov

USGS Billing Point of Contact

Name: Laurie Beley
Budget Analyst
Address: 101 Pitkin Street
East Hartford, CT 06108
Telephone: (860) 291-6750
Fax: (860) 291-6799
Email: lbeley@usgs.gov

Customer Billing Point of Contact

Name: Corey Clark
Chief Engineer
Address: 29 Hazen Drive
Concord, NH 03302
,
Telephone: (603) 271-1961
Fax: (603) 271-6120
Email: corey.j.clark@des.nh.gov

U.S. Geological Survey
United States
Department of Interior

Signature

By MARCEL BELAVAL Digitally signed by MARCEL BELAVAL Date: 2023.06.06 08:28:13 -04'00' Date: 06/06/2023
Name: Marcel Belaval
Title: Acting Center Director

New Hampshire Department of Environmental Services

Signatures

By _____ Date: 6/8/23
Name: Robert R. Scott
Title: Commissioner

By _____ Date: 6/9/2023
Name: Joshua C. Harrison As to form, Substance, and Execution.
Title: Assistant Attorney General

By _____ Date: _____
Name:
Title:

USGS

Operation and Maintenance of the New Hampshire Cooperative Stream Monitoring Network

U.S. Geological Survey, New England Water Science Center, NH-VT Office in cooperation with the State of New Hampshire Department of Environmental Services

June 5, 2023

Background

The U.S. Geological Survey (USGS) has operated and maintained a New Hampshire stream monitoring network in cooperation with the New Hampshire Department of Environmental Services (NHDES) for many years. This ongoing partnership allows for joint funding to ensure that the work meets the mission objectives of the USGS, and the data and information needs of NHDES. USGS uses nationally consistent methods and quality-assurance protocols to ensure that data are directly comparable across the nation and publicly available. A summary of streamgage operations is described below.

Objectives

The USGS will operate and maintain at network of continuous recording streamgaging stations in New Hampshire for the period of July 1, 2023 to June 30, 2025. The overall objective is to provide stream stage, discharge, and water temperature data at select locations (table 1). Specific objectives are:

1. Operate and maintain a stream monitoring network. The network will provide real-time stage, streamflow, and water-temperature data via the USGS National Water Information System: Web Interface (NWISWEB). Continued operation and maintenance of USGS streamgages will be through June 30, 2025.
2. Quality-assure, finalize, and publish river stage, streamflow, and water temperature data at select locations. Publication of data will be on-line only via the USGS NWISWEB.
3. Maintain a publicly accessible database of collected river stage and streamflow data via the USGS NWISWEB.

Approach

The stream monitoring network will provide near real-time information for the duration of the agreement. Information from the gages may also be used in conjunction with local flood forecasts and warning information provided by the National Weather Service. Local Emergency Management will also be able to use the USGS *WaterAlert* and *WaterNow* systems to remotely monitor current river conditions to better ensure against loss of life and property damage during floods.

Objective 1. Operate and maintain the established stream monitoring stations in New Hampshire. The stations will provide real-time streamflow data via the USGS National Water Information System: Web Interface (NWISWEB).

Streamgage operation and maintenance is typically performed 6-10 times per year at each station. Service visits are made as soon as possible when equipment or stations are found inoperable or in need of adjustment. Standard procedures for streamflow data collection within the USGS are included within reports by Sauer and Turnipseed (2010), Turnipseed and Sauer (2010), and Rantz and others (1982a, 1982b). The USGS maintains a comprehensive list of data collection procedures within individual Techniques of Water Resources Investigations publications at *http://pubs.usgs.gov/twri/*.

Stage and water temperature will be measured and recorded using a data collection platform (DCP) and sensors at 5- or 15-minute intervals. Stage readings will be related to field measurements of streamflow to obtain a stage-streamflow relation for computing continuous streamflow. Standard stage sensors will have an accuracy of +/- .01 ft and will be recorded to .01 ft. Standard water temperature sensors will have an accuracy of +/- 0.1° C and will be recorded to 0.1° C. The station will be equipped with GOES satellite telemetry equipment for transmission of stream stage data in real-time at 1-hour intervals to the USGS National Water Information System (NWIS) website web at: *http://waterdata.usgs.gov/vt/nwis/current/?type=flow*. The real-time data will allow rapid identification and remedy of any problems at the site, help assess flow regimes and backwater conditions, aid in initiating discharge measurement visits by the USGS, and make the data readily available to other agencies and interests.

Objective 2. Quality-assure, finalize, and publish streamgage data.

Streamgage data are collected and published in accordance with USGS techniques and methods (Sauer and Turnipseed, 2010; Turnipseed and Sauer, 2010; Rantz and others (1982a, 1982b); Kenney, 2010; Kennedy, 1983; Wagner and others, 2006). The USGS practices extensive quality assurance of collected data and records. Data and records are reviewed and finalized throughout the year. In addition, every 3 years, the data collection and technical activities in each office are checked and reviewed by an external USGS team from outside of that office. This review team includes regional and national representatives. QA/QC plans are established locally at each USGS state office based on national protocols.

Data are quality assured on a routine basis. The quality assurance procedures include, but are not limited to, daily check of all sites on the web to ensure sites are operational and to verify data are reasonable. Efforts are made to remove outlier data as soon as noted. When a streamgage stops reporting, efforts are made to restore service within 24 to 48 business hours. Under rare circumstances, service restoration may take longer. When gaps occur in the real-time data flow on the web, data are downloaded during the next site visit to backfill the data gap to produce a complete period.

Objective 3. Maintain a publicly accessible database of collected streamflow data via the USGS NWISWEB.

The data will also be published and stored permanently in the National Water Information System: Web Interface (NWISWEB) database at *https://water.usgs.gov/nwis/*. All published USGS data will be publicly accessible through *NWISWEB*. Metadata will be available for all published USGS data. If estimates for missing streamflow data are required, these data will be flagged accordingly and archived and/or estimated and stored within NWISWEB. All raw (original) data also are archived.

Relevance and Benefits

The streamflow monitoring stations would provide critical data on the hydrologic conditions of New Hampshire. Collection and dissemination of the information will: (1) meet the broad USGS goal of furnishing data needed by other Federal, state, and local agencies; and (2)

allow for increased awareness of streamflow by emergency managers, users, and the public in general.

Products

The USGS will electronically publish select data from the monitoring stations. Real-time data will be made available on the USGS website soon after station operation is initiated. Final data would be made available within approximately six months following data collection or once the stage-discharge relations for the streamgages is adequately established. USGS data are archived digitally at *https://water.usgs.gov/nwis/*. All raw (original) data also are archived. All published USGS data are publicly accessible through *https://water.usgs.gov*. Metadata are available for all published USGS data.

Project Timeline

Data collection activities are on-going and will be completed at the end of the fourth quarter of State FY 2025. USGS will own and operate all deployed streamgaging equipment. USGS will provide standard equipment for collecting, storing, and broadcasting streamgage data in near real-time for the duration of the program. Upon the completion of the initial workplan at the end of the fourth quarter of State FY 2025, the agreement may be reviewed and renewed if agreeable to both parties.

Project Staffing, Costs, and Funding

Work required to meet the objectives will be carried out by hydrologic technicians, a data base specialist, and a supervisory hydrologic technician from the USGS. These USGS staff will collaborate, as needed, with VTDEC. Total project costs are $832,050 (tables 2 and 3). We propose that $526,910 be provided by NHDES and $305,140 by USGS.

References

Kennedy, E.J., Computation of continuous records of streamflow: U.S. Geological Survey Techniques of Water-Resources Investigations of the United States Geological Survey, book 3, chap. A13, 59 p. http://pubs.usgs.gov/twri/twri3-a13

Kenney, T.A., 2010, Levels at gaging stations: U.S. Geological Survey Techniques and Methods book 3, chap. A19, 60 p., *https://pubs.usgs.gov/tm/tm3A19/*

Rantz, S.E. and others, 1982a, Measurement and computation of streamflow: Volume 1. Measurement of stage and discharge: U.S. Geological Survey Water-Supply Paper 2175, 284 p.

Rantz, S.E. and others, 1982b, Measurement and computation of streamflow: Volume 2. Computation of discharge: U.S. Geological Survey Water-Supply Paper 2175, 373 p.

Sauer, V.B. and D.P. Turnipseed, 2010, Stage measurement at gaging stations: U.S. Geological Survey Techniques and Methods book 3, chap. A7, 45 p. *http://pubs.usgs.gov/tm/tm3-a7/*

Turnipseed, D.P. and V.B. Sauer, 2010, Discharge measurements at gaging stations: U.S. Geological Survey Techniques and Methods book 3, chap. A8, 87 p. *http://pubs.usgs.gov/tm/tm3-a8/*

Wagner, R.J., Boulger, R.W., Jr., Oblinger, C.J., and Smith, B.A., 2006, Guidelines and standard procedures for continuous water-quality monitors-Station operation, record computation, and data reporting: U.S. Geological Survey Techniques and Methods 1-D3, 51 p. + 8 attachments; accessed at *http://pubs.usgs.gov/tm1d3*

Table 1: Description of streamgages in the New Hampshire Cooperative Stream Monitoring Network for State Fiscal Years 2024 and 2025.

NUMBER	STATION NAME	NOTES
010642505	Saco River at River Street at Bartlett, NH	Published stage, streamflow, and water temperature; [1]operational air temperature
01064801	Bearcamp River near South Tamworth, NH	Published stage, streamflow, and water temperature; operational air temperature
01072870	Isinglass River nr Dover, NH	Published stage, streamflow, and water temperature; operational air temperature
01073000	Oyster River at Durham, NH	Published stage and streamflow.
01073319	Lamprey River at Raymond, NH	Published stage, streamflow, and water temperature; operational air temperature
01073500	Lamprey River at Newmarket, NH	Published stage and streamflow.
010735562	Exeter River at Odell Road near Sandown, NH	Published stage and streamflow; operational air and water temperature
01073587	Exeter River nr Exeter, NH	Published stage and streamflow; operational precipitation. Modem telemetric site.
01073785	Winnicut River at Greenland, NH	Published stage and streamflow.
01074520	E Branch Pemigewasset River at Lincoln, NH	Published stage and streamflow.
01077400	Cockermouth River nr Groton, NH	Published stage, streamflow, and water temperature; operational air temperature
01081000	Winnipesaukee River at Tilton, NH	Published stage and streamflow. Modem telemetric site
01091000	S Branch Piscataquog R nr Goffstown, NH	Published stage, streamflow, and water temperature; operational air temperature
01092000	Merrimack River near Goffs Falls, NH	Published stage and streamflow. Partially funded by Federal Priority Streamgage Program
01093852	Souhegan River nr Milford, NH	Published stage, streamflow, and water temperature; operational air temperature
010965852	Beaver Brook at North Pelham, NH	Published stage and streamflow.
01129200	Connecticut River bel Indian Stream	Published stage, streamflow, and water temperature; operational air temperature
01129500	Connecticut River at North Strafford, NH	Published stage, streamflow, and water temperature; operational air temperature
01130000	Upper Ammonoosuc River near Groveton, NH	Published stage and streamflow, operational air temperature
01131500	Connecticut River near Dalton, NH	Published stage and streamflow.
01138500	Connecticut River at Wells River, VT	Published stage and streamflow.
01152010	Sugar River at Sunapee, NH	Published stage and streamflow.
01152500	Sugar River at West Claremont, NH	Published stage and streamflow.
01154500	Connecticut River at North Walpole, NH	Published stage and streamflow.
01154950	Cold River at High Street at Alstead, NH	Published stage, streamflow, and water temperature; operational air temperature
01157000	Ashuelot River near Gilsum, NH	Published stage, streamflow, and water temperature; operational air temperature
01161000	Ashuelot River at Hinsdale, NH	Published stage and streamflow.

[1]Operational data are collected by USGS for the purposes of supporting short-term operational needs of the data network or parameters measured to facilitate the computation of another parameter of interest. These parameters are not necessarily corrected for errors and not intended for publication.

Table 2

Cooperative Streamgaging Stations in New Hampshire

State Fiscal Year 2024

NUMBER	STATION NAME	TOTAL COST	July 2023 to June 2024		STATE FUDING SOURCE
			USGS COST	STATE COST	
010642505	Saco River at River Street at Bartlett, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
01064801	Bearcamp River near South Tamworth, NH	$15,700.00	$5,970.00	$9,730.00	3817-102-500731 ($9,730)
01072870	Isinglass River nr Dover, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
01073000	Oyster River at Durham, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01073319	Lamprey River at Raymond, NH	$17,400.00	$6,620.00	$10,780.00	3817-102-500731 ($8,230) 3800-102-500731 ($2,550)
01073500	Lamprey River at Newmarket, NH	$15,700.00	$5,970.00	$9,730.00	4788-102-500731 ($4,233.33) 3800-102-500731 ($5,496.67)
010735562	Exeter River at Odell Road near Sandown, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01073587	Exeter River nr Exeter, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01073785	Winnicut River at Greenland, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01074520	E Branch Pemigewasset River at Lincoln, NH	$15,700.00	$5,970.00	$9,730.00	4788-102-500731 ($4,233.33) 3800-102-500731 ($5,496.67)
01077400	Cockermouth River nr Groton, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01081000	Winnipesaukee River at Tilton, NH	$15,700.00	$5,970.00	$9,730.00	3817-102-500731 ($9,730)
01091000	S Branch Piscataquog R nr Goffstown, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
01092000	Merrimack River near Goffs Falls, NH	$8,850.00	$3,440.00	$5,410.00	3800-102-500731 ($5,410)
01093852	Souhegan River nr Milford, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
010965852	Beaver Brook at North Pelham, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01129200	Connecticut River bel Indian Stream	$1,700.00	$650.00	$1,050.00	3812-102-500731 ($1,050)
01129500	Connecticut River at North Strafford, NH	$1,700.00	$650.00	$1,050.00	3812-102-500731 ($1,050)
01130000	Upper Ammonoosuc River near Groveton, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01131500	Connecticut River near Dalton, NH	$15,700.00	$5,970.00	$9,730.00	3812-102-500731 ($9,730)
01138500	Connecticut River at Wells River, VT	$15,700.00	$5,970.00	$9,730.00	3812-102-500731 ($6,630) 3800-102-500731 ($3,100)
01152010	Sugar River at Sunapee, NH	$15,700.00	$5,970.00	$9,730.00	4788-102-500731 ($4,233.33) 3800-102-500731 ($5,496.67)
01152500	Sugar River at West Claremont, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01154500	Connecticut River at North Walpole, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
01154950	Cold River at High Street at Alstead, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
01157000	Ashuelot River near Gilsum, NH	$17,400.00	$6,620.00	$10,780.00	3800-102-500731 ($10,780)
01161000	Ashuelot River at Hinsdale, NH	$15,700.00	$5,970.00	$9,730.00	3800-102-500731 ($9,730)
	TOTAL	**$400,950.00**	**$152,570.00**	**$248,380.00**	

Table 3

Cooperative Streamgaging Stations in New Hampshire

State Fiscal Year 2025

NUMBER	STATION NAME	TOTAL COST	July 2024 to June 2025		STATE FUDING SOURCE
			USGS COST	STATE COST	
010642505	Saco River at River Street at Bartlett, NH	$18,700.00	$6,620.00	$12,080.00	4788-102-500731 ($2,420) 3800-102-500731 ($9,660)
01064801	Bearcamp River near South Tamworth, NH	$16,900.00	$5,970.00	$10,930.00	3817-102-500731 ($10,930)
01072870	Isinglass River nr Dover, NH	$18,700.00	$6,620.00	$12,080.00	3800-102-500731 ($12,080)
01073000	Oyster River at Durham, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01073319	Lamprey River at Raymond, NH	$18,700.00	$6,620.00	$12,080.00	3817-102-500731 ($6,730) 3800-102-500731 ($5,350)
01073500	Lamprey River at Newmarket, NH	$16,900.00	$5,970.00	$10,930.00	4788-102-500731 ($10,930)
010735562	Exeter River at Odell Road near Sandown, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01073587	Exeter River nr Exeter, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01073785	Winnicut River at Greenland, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01074520	E Branch Pemigewasset River at Lincoln, NH	$16,900.00	$5,970.00	$10,930.00	4788-102-500731 ($10,930)
01077400	Cockermouth River nr Groton, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01081000	Winnipesaukee River at Tilton, NH	$16,900.00	$5,970.00	$10,930.00	3817-102-500731 ($10,930)
01091000	S Branch Piscataquog R nr Goffstown, NH	$18,700.00	$6,620.00	$12,080.00	3800-102-500731 ($12,080)
01092000	Merrimack River near Goffs Falls, NH	$9,300.00	$3,440.00	$5,860.00	3800-102-500731 ($5,860)
01093852	Souhegan River nr Milford, NH	$18,700.00	$6,620.00	$12,080.00	3800-102-500731 ($12,080)
010965852	Beaver Brook at North Pelham, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01129200	Connecticut River bel Indian Stream	$1,800.00	$650.00	$1,150.00	3812-102-500731 ($1,150)
01129500	Connecticut River at North Strafford, NH	$1,800.00	$650.00	$1,150.00	3812-102-500731 ($1,150)
01130000	Upper Ammonoosuc River near Groveton, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01131500	Connecticut River near Dalton, NH	$16,900.00	$5,970.00	$10,930.00	3812-102-500731 ($10,930)
01138500	Connecticut River at Wells River, VT	$16,900.00	$5,970.00	$10,930.00	3812-102-500731 ($5,830) 3800-102-500731 ($5,100)
01152010	Sugar River at Sunapee, NH	$16,900.00	$5,970.00	$10,930.00	4788-102-500731 ($10,930)
01152500	Sugar River at West Claremont, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01154500	Connecticut River at North Walpole, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
01154950	Cold River at High Street at Alstead, NH	$18,700.00	$6,620.00	$12,080.00	3800-102-500731 ($12,080)
01157000	Ashuelot River near Gilsum, NH	$18,700.00	$6,620.00	$12,080.00	3800-102-500731 ($12,080)
01161000	Ashuelot River at Hinsdale, NH	$16,900.00	$5,970.00	$10,930.00	3800-102-500731 ($10,930)
	TOTAL	**$431,100.00**	**$152,570.00**	**$278,530.00**	