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CANADA – NEWFOUNDLAND AND LABRADOR

**MEMORANDUM OF AGREEMENT
FOR
WATER QUANTITY SURVEYS**

**REPORT FOR FISCAL YEAR
2024-2025**

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LETTER OF TRANSMITTAL

TO: Colin Angus
Administrator for Canada

Haseen Khan
Administrator for the Department of Environment, Conservation, and Climate
Change, Newfoundland and Labrador

We hereby submit an annual report for the fiscal year 2024-2025 covering activities under the Memorandum of Agreement for Water Quantity Surveys for Newfoundland and Labrador.

Members Coordinating Committee

Government of Canada

Government of Newfoundland and
Labrador

Tim DeVries
Environment and Climate Change
Canada

Paula V Dawe
Dept. of Environment, Conservation
and Climate Change,
Newfoundland and Labrador

EXECUTIVE SUMMARY

In 1975, Canada and its provincial partners signed Memoranda of Agreement for Water Quantity Surveys. The purpose of the Agreement is to provide a mechanism to harmonize the hydrometric data collection, processing and distribution, as well as a procedure to cost-share the activities of the program.

During this reporting period, Water Survey of Canada operated 105 hydrometric stations in partnership with Newfoundland and Labrador. The station classification can be seen in section 4.

In addition to the regular hydrometric activities, several construction projects have taken place during fiscal year 2024-2025 as described in section 6.

Currently all stations with the exception of 1 are equipped with satellite telemetry, which means that 99% of the network is reporting in near real-time.

The actual share of the province for operational expenditures (**\$1,422,689**) was 0.3% higher than the amount invoiced and paid by the province (**\$1,418,188**). Financial details are given in section 5 of this report.

A summary of cumulative annual costs from the year 1975-76 to the year 2024-2025 is located in Appendix C.

1. INTRODUCTION

This report covers the activities under the Canada/Newfoundland and Labrador Memorandum of Agreement for Water Quantity Surveys for the fiscal year 2024-2025.

The operation of an integrated network of hydrometric stations in Newfoundland and Labrador is cost-shared between National Hydrological Services (NHS) - Meteorological Service of Canada -Environment and Climate Change Canada, and Newfoundland and Labrador, Department of Environment, Conservation and Climate Change under a Memorandum of Agreement (MOA).

The core of this report has been divided in 5 main sections:

The *Hydrologic Conditions* section provides a brief description of any regionally significant hydrologic conditions that were encountered during 2024-2025.

The *Coordinators Meeting* section highlights the discussions that were undertaken during the year.

The *Network Characteristics* section includes a brief summary of the network including any changes from the previous year.

The *Operations* section outlines financial details including partner shares and invoices issued, as agreed to in Schedule D Estimates (Appendix B).

The report also includes a section on *Construction and Projects* which contains a brief description of the special projects.

2.0 HYDROLOGIC CONDITIONS

Regional Highlights - Newfoundland

Newfoundland Island

Newfoundland's reporting period for 2024 began with typical spring like conditions. Although April and May were not exceptionally wet, water levels only saw a slight decrease from early spring. After a relatively wet June, there was in general less precipitation than normal. This resulted in declining water levels up until late September, with the lowest levels being seen in the middle of August. Some sites experienced historical low flow measurements. October through to the end of 2024 included more typical fall weather with more frequent (and larger) rain events. Winter 2025 was quite mild overall, resulting in less stable ice conditions and fewer measurements than typically occur during the winter season, with the exception of the west coast and northern peninsula portions of the island. The photo below (Figure 2.1) illustrates these conditions at a central island site (02YO008), where in the middle of January, the river was open with ice only beginning to form along edges with slush/small ice pans flowing downstream. By the middle of February, the river had complete ice cover and an ice measurement was able to be obtained. In early April no ice conditions were present with a slight rise in river from spring freshet.



Figure 2.1: Ice buildup along rivers edge with slush/small ice pans flowing downstream at Central Newfoundland site Great Rattling River 02YO008 on January 15th, 2025

Labrador

The reporting period for Labrador began with slightly earlier than normal springlike conditions. This resulted in most rivers experiencing breakup and ice movement in the second half of April into early May. This spring freshet produced higher flows on average than those of the last several years. Wetter than typical conditions extended into the first half of summer. Low water levels for 2024 were observed between Mid-August through mid-October, with an example illustrated in Figure 2.2 with a photo of station 03QC002. In late

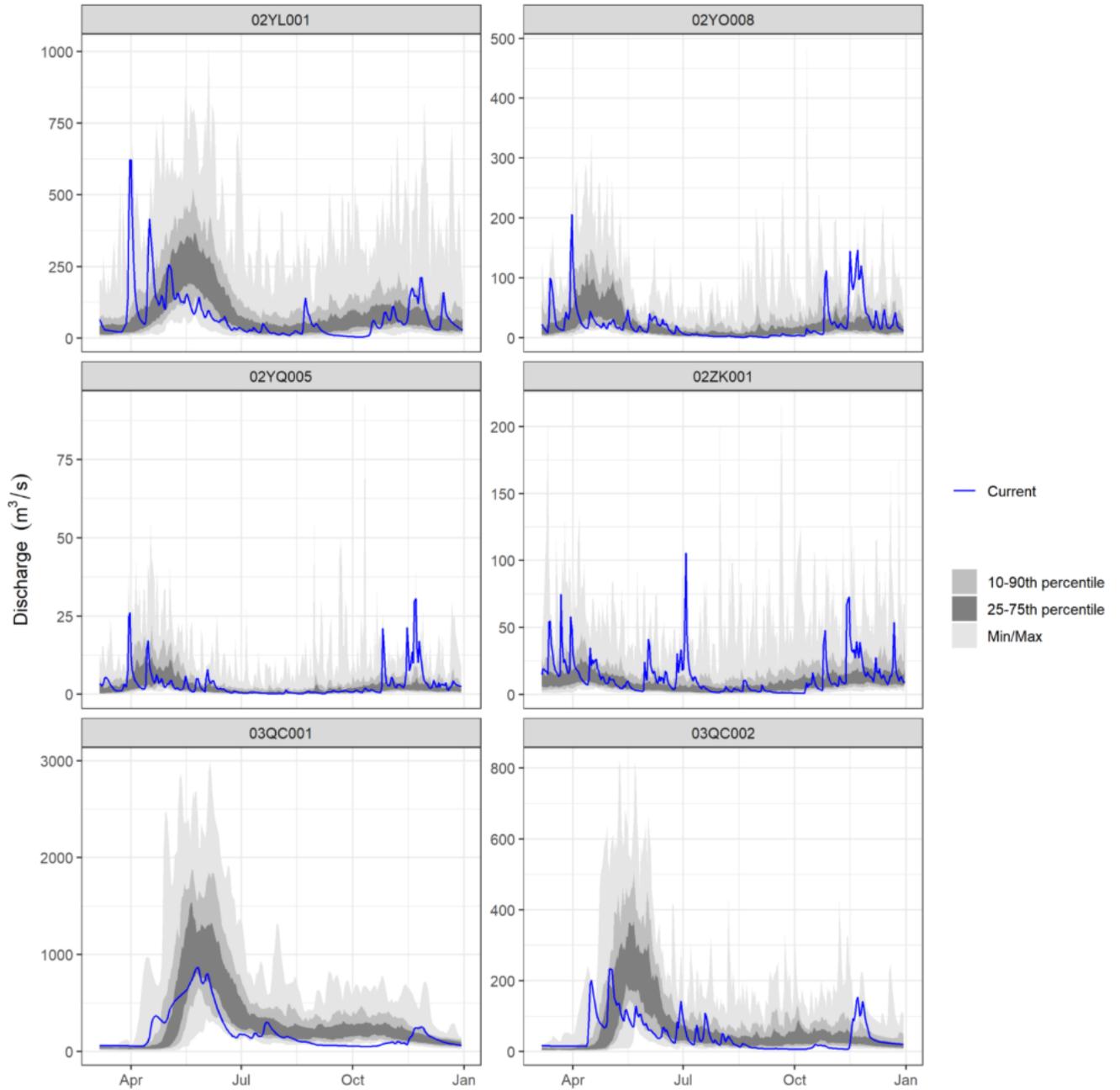
November, cold weather temperatures moved in, which initiated ice conditions at most rivers.



Figure 2.2: Downstream view of Labrador site Alexis River 03QC002 on October 21st, 2024, during lower water conditions

Figure 2.3 (below):

- *Flow station 02YL001 Upper Humber River: Western Newfoundland station illustrating earlier melt conditions than typical, followed by a dryer spring and summer period.*
- *Flow station 02YO008 Great Rattling River: Central Newfoundland station again illustrating earlier melt conditions than typical, followed by a dryer spring and summer period.*
- *Flow station 02YQ005 Salmon River near Glenwood: Central Newfoundland station illustrating the low water conditions in summer of 2024 with larger runoff events through the fall.*
- *Flow station 02ZK001 Rocky River: Eastern Newfoundland station illustrating an early melt period, with flows decreasing to below normal by late summer, followed by some larger flows in the fall.*
- *Flow station: 03QC001 Eagle River: Labrador station illustrating flows through the reporting period being slightly below the statistical normals for most of the year.*
- *Flow station 03QC002 Alexis River: Labrador station illustrating illustrating earlier melt conditions than typical, followed by a dryer spring and summer period and a rebound to more typical conditions in the fall.*



3.0 COORDINATORS MEETINGS

The coordinators met in person and virtually three times throughout the course of the year. Discussions ranged from operational items, to cost estimates for future years, to new station planning, and review of capital plan items.

One topic of discussion during the 24-25 year that impacted all of the NHS team, was a departmental reorganization. Another topic and action item in Atlantic Canada during the period was addressing a long-standing data backlog at NHS. This project resulted in the computation and/or approval and archiving of 97 station years of data in Atlantic Region.

4.0 NETWORK CHARACTERISTICS

Water Survey of Canada operated 105 hydrometric stations in Newfoundland and Labrador in the 2024-25 fiscal year.

Currently all NHS stations with the exception of 1 are equipped with satellite telemetry, which means that 99% of the network is reporting in real-time.

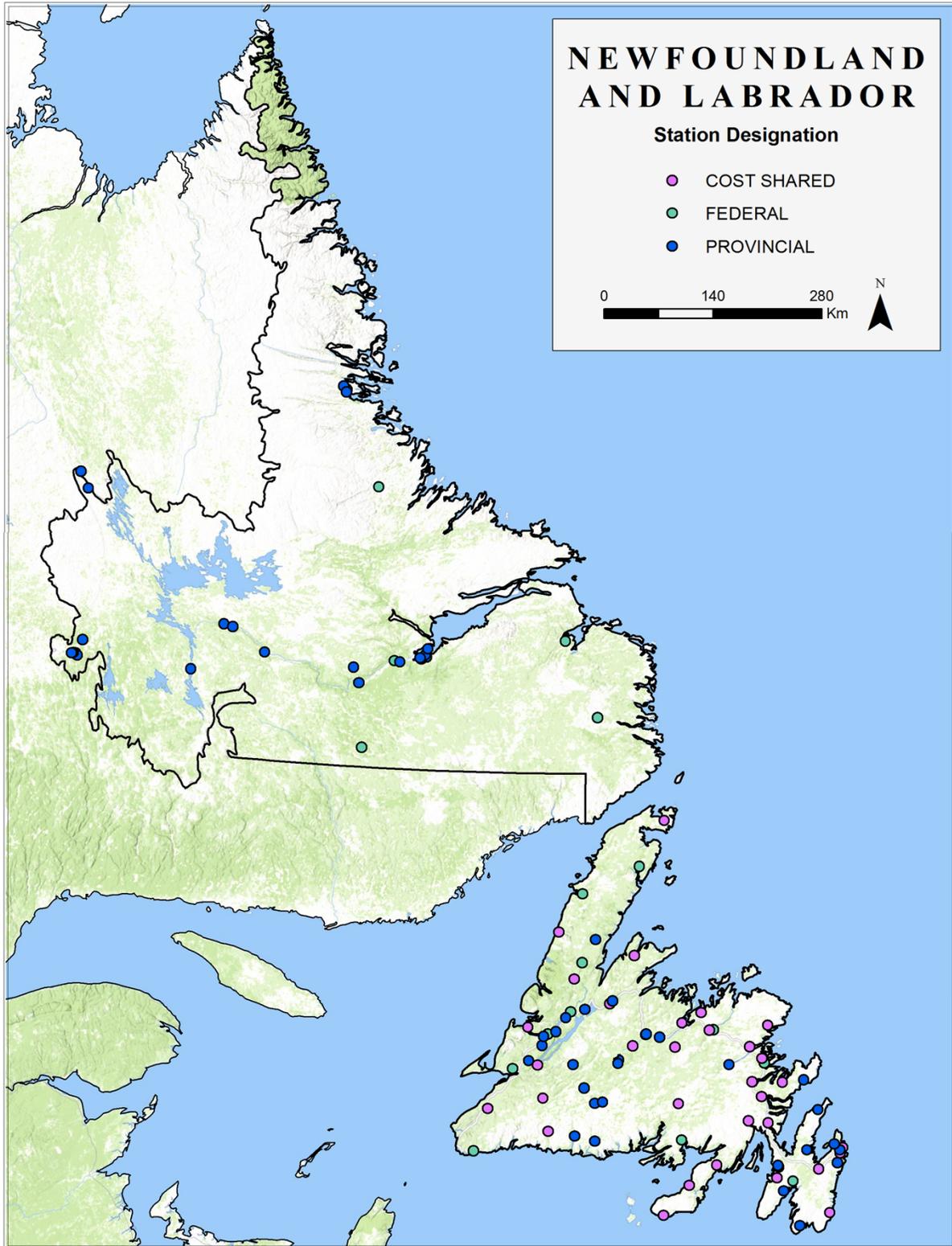
The stations classification, including distribution between Newfoundland and Labrador, is as outlined in Table 3.1. Further, Figure 3.1 illustrates the locations and designations of these stations.

Table 3.1: Station classification within Newfoundland and Labrador

CLASSIFICATION	ISLAND	LABRADOR	TOTAL
FEDERAL	11	5	16
FED-PROV	32	0	32
PROVINCIAL	31	26	57
TOTAL	74	31	105

Note that NHS also takes water samples at several sites for water quality purposes on behalf of the Newfoundland and Labrador Department of Environment, Conservation and Climate Change. These sites are converted into station units in order to have their cost calculated under this agreement.

Figure 3.1: Location and designations of hydrometric network in Newfoundland and Labrador



5.0 OPERATIONS

A true costing approach has been utilized to derive the station costs for this fiscal year in accordance with the agreement. The costs were apportioned based on the station classification and then totaled to determine each parties share. Employee benefit costs on salary, and data management costs have been included and attributed to all parties.

Table 5.1 summarizes the estimated and the actual costs to operate the provincial share of the stream gauging network in Newfoundland and Labrador for 2024-2025.

Table 5.2 identifies the provincially completed Special Project Work. The Newfoundland and Labrador Department of Environment, Conservation and Climate Change was credited with the total amount of \$14,844 for their contribution to the Partnership.

Finally, Table 5.3 details the Operations and Maintenance expenditures attributable to the Province.

The signed version of the Schedule D for fiscal year 2024-25 can be found in the Appendix B.

Table 5.1: Hydrometric network operation costs and construction costs attributable to the Province of Newfoundland and Labrador.

Item	Provincial		Federal
	Planned Schedule D	Actuals	Actuals
Salaries (Including benefits 27%)	\$ 795,757	\$777,399	\$440,221
Operations and Maintenance	\$ 498,785	\$567,085	\$225,444
Capital	\$88,490	\$55,389	\$26,881
Construction	\$50,000	\$37,660	\$80,352
Special Project Work (Fed share)	-\$14,844	-\$14,844	\$14,844
TOTALS	\$1,418,188	\$1,422,689	\$787,742

The Schedule D amount, which was estimated at the beginning of the 2024-25 fiscal year, was reviewed at the beginning of the fourth quarter of the fiscal year in order to determine the final amount to invoice the Province. Based on that review, the full amount was invoiced. The difference between the total actual cost and the final payment amount has been added to the Summary of Cumulative Annual Costs, which can be found in Appendix C.

Table 5.2: Details of Special Project Work completed by the Province

Item	Amount
Height Modernization	\$1,000
Third Party Agreement Maintenance	\$7,514
Real Property Management	\$6,330
TOTALS	\$14,844

Table 5.3: Provincial Operations and Maintenance expenditure details

ITEM	EXPENDITURE
013 - STUDENTS	\$ 21,212
016 - ALLOWANCES	\$ 848
020 - TRAVEL	\$ 71,816
022 - POSTAGE, FREIGHT, EXPR	\$ 8,184
023 - TELECOMMUNICATIONS	\$ 5,518
040 - TRAINING	\$ 7,146
041 - PROF. & SPECIAL SRVS	\$ 18,050
042 - OTHER BUSINESS SERV	\$ 977
051 - OTHER RENTALS	\$ 259,772
062 - REPAIR & MAINT-EQUIP	\$ 27,474
070 - ENERGY - TRANSPORTATION	\$ 13,229
071 - PUBLIC UTILITIES	\$ 1,177
072 - MATERIALS & SUPPLIES	\$ 131,682
TOTAL	\$ 567,085

6.0 CONSTRUCTION & SPECIAL PROJECTS

The coordinators meet near the beginning of the fiscal year to review planned construction projects.

Infrastructure projects completed in Newfoundland and Labrador in 2024-25 were focused on legacy issues. There were six inactive cableways decommissioned (02YL005, 02YM004, 02YN004, 02YO008, 02YQ005, and 02QG003). Another project involved a shelter replacement and soil remediation (also at 02YO008).

Details of these projects can be found in a report titled “Hydrometric Infrastructure and Construction in Atlantic Canada Project Summary Report 2024 – 2025” which is attached to this report in Appendix D.

Appendix A

SCHEDULE "C" NEWFOUNDLAND AND LABRADOR 2024-2025

Q - flow data
H - water level data
R - automatic recording gauge
C - continuous record

Status	Station No	Station Name	Class	Stn units				Stn units				Operator	Rmt	Record			Operating Period	Date Estd
				fed	prov	com	Stn	fed	prov	com	Q			H	R	C		
FEDERAL																		
ACTIVE	02ZF001	BAY DU NORD RIVER AT BIG FALLS	Federal 4	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1950
ACTIVE	02YQ001	GANDER RIVER AT BIG CHUTE	Federal 4	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1949
ACTIVE	02YJ001	HARRY'S RIVER BELOW HIGHWAY BRIDGE	Federal 4	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1968
ACTIVE	02YL003	HUMBER RIVER AT HUMBER VILLAGE BRIDGE	Federal 4	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1982
ACTIVE	02ZB001	ISLE AUX MORTS RIVER BELOW HIGHWAY BRIDGE	Federal 1	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1962
ACTIVE	02YQ001	MAIN RIVER AT PARADISE POOL	Federal 4	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1986
ACTIVE	02YD002	NORTHEAST BROOK NEAR RODDICKTON	Federal 4	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1980
ACTIVE	02ZK001	ROCKY RIVER NEAR COLINET	Federal 1	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1948
ACTIVE	02YS003	SOUTHWEST BROOK AT TERRA NOVA NATIONAL PARK	Federal 1	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1967
ACTIVE	02YL001	UPPER HUMBER RIVER NEAR REIDVILLE	Federal 1	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1928
ACTIVE	02YQ001	TORRENT RIVER AT BRISTOL'S POOL	Federal 4	1	1	0	0	1	1	0	0	WSC	1	1	1	1	Jan-Dec	1959
ACTIVE	03QC002	ALEXIS RIVER NEAR PORT HOPE SIMPSON	Federal 4	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1978
ACTIVE	03OE001	CHURCHILL RIVER ABOVE UPPER MUSKRAT FALLS	Federal 4	0.6	0.6	0	0	0.6	0.6	0	0	WSC	1	1	1	1	Jan-Dec	1948
ACTIVE	03QC001	EAGLE RIVER ABOVE FALLS	Federal 4	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1966
ACTIVE	02XA003	LITTLE MECATINA RIVER ABOVE LAC FOURMONT	Federal 2	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1979
ACTIVE	03NF001	UQUJOIK RIVER BELOW HARP LAKE	Federal 4	1.2	1.2	0	0	1.2	1.2	0	0	WSC	1	1	1	1	Jan-Dec	1979
				0	0	0	0											
Total Federal Newfoundland								11.4	11.4	0.0	0.0		11.0					
Total Federal Labrador								5.4	5.4	0.0	0.0		5.0					
Total Federal Newfoundland & Labrador								16.8	16.8	0.0	0.0		16.0					
FEDERAL - PROVINCIAL																		
ACTIVE	02YA002	BARTLETT'S RIVER NEAR ST. ANTHONY	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1986
ACTIVE	02ZH002	COME-BY-CHANCE RIVER NEAR GOOBIES	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1961
ACTIVE	02ZE004	CONNIE RIVER AT OUTLET OF CONNE POND	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1988
ACTIVE	02YU011	EXPLOITS RIVER BELOW NOEL PAULS BROOK	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02ZG001	GARNISH RIVER NEAR GARNISH	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1958
ACTIVE	02ZC002	GRANDY BROOK BELOW TOP POND BROOK	Fed-Prov 3	1.2	0.6	0.6	0	1.20	0.60	0.60	0	WSC	1	1	1	1	Jan-Dec	1982
ACTIVE	02YQ009	GREAT RATTILING BROOK ABOVE TOTE RIVER CONFLUENCE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1984
ACTIVE	02YE001	GHEAVETT BROOK ABOVE PORTLAND CREEK POND	Fed-Prov 3	1.2	0.6	0.6	0	1.20	0.60	0.60	0	WSC	1	1	1	1	Jan-Dec	1983
ACTIVE	02ZA002	HIGHLANDS RIVER AT TRANS CANADA HIGHWAY	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1987
ACTIVE	02YR003	INDIAN BAY BROOK NEAR NORTHWEST ARM	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1981
ACTIVE	02YK002	LEWASSECHUECH BROOK AT LITTLE GRAND LAKE	Fed-Prov 3	1.2	0.6	0.6	0	1.20	0.60	0.60	0	WSC	1	1	1	1	Jan-Dec	1952
ACTIVE	02YN002	LYOYD'S RIVER BELOW KING GEORGE IV LAKE	Fed-Prov 3	1.2	0.6	0.6	0	1.20	0.60	0.60	0	WSC	1	1	1	1	Jan-Dec	1980
ACTIVE	02YH001	MIDDLE BROOK NEAR GAMBO	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1959
ACTIVE	02ZK002	NORTHEAST RIVER NEAR PLACENTIA	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1979
ACTIVE	02YQ006	PETERS RIVER NEAR BOTWOOD	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1981
ACTIVE	02ZH001	PIPERS HOLE RIVER AT MOTHERS BROOK	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1952
ACTIVE	02ZG004	RATTLE BROOK NEAR BOAT HARBOUR	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1981
ACTIVE	02YL005	RATTLER BROOK NEAR MCIVER'S	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02YQ005	SALMON RIVER NEAR GLENWOOD	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1987
ACTIVE	02ZG003	SALMONIER RIVER NEAR LAMALINE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1980
ACTIVE	02YM009	SEAL COVE BROOK NEAR CAPPANAYDEN	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1979
ACTIVE	02YK005	SHEFFIELD BROOK NEAR TRANS CANADA HIGHWAY	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1972
ACTIVE	02ZJ003	SHOAL HARBOUR RIVER NEAR CLARENVILLE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02ZM016	SOUTH RIVER NEAR HOLYWOOD	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1983
ACTIVE	02ZJ001	SOUTHERN BAY RIVER NEAR SOUTHERN BAY	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1976
ACTIVE	02YH012	SOUTHWEST BROOK AT LEWISPORTE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1989
ACTIVE	02YH003	SOUTH WEST BROOK NEAR BAE VERTÉ	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1980
ACTIVE	02YS005	TERRA NOVA RIVER AT GLOVERTOWN	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02YL008	UPPER HUMBER RIVER ABOVE BLACK BROOK	Fed-Prov 3	1.2	0.6	0.6	0	1.20	0.60	0.60	0	WSC	1	1	1	1	Jan-Dec	1988
ACTIVE	02ZM018	VIRGINIA RIVER AT PLEASANTVILLE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1984
ACTIVE	02YS006	NORTHWEST RIVER AT TERRA NOVA NATIONAL PARK	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1994
ACTIVE	02ZM009	WATERFORD RIVER AT KILBRIDE	Fed-Prov 3	1	0.5	0.5	0	1.00	0.50	0.50	0	WSC	1	1	1	1	Jan-Dec	1974
Total Federal - Provincial Newfoundland								33.0	16.5	16.5	0.0		32.0					
Total Federal - Provincial Labrador								0.0	0.0	0.0	0.0		0.0					
Total Federal - Provincial Newfoundland & Labrador								33.0	16.5	16.5	0.0		32.0					
PROVINCIAL																		
ACTIVE	02ZL005	BIG BROOK AT LEAD COVE	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02YK008	BOOIT BROOK AT TRANS-CANADA HIGHWAY	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02YL009	CORNER BROOK LAKE AT LAKE OUTLET	Prov 1	0.4	0	0.4	0	0.4	0	0.4	0	WSC	1	1	1	1	Jan-Dec	1990
ACTIVE	02YJ007	DEER LAKE NEAR GENERATING STATION	Prov 1	0.4	0	0.4	0	0.4	0	0.4	0	WSC	1	1	1	1	Jan-Dec	1987
INACTIVE	02YU015	EAST POND BROOK BELOW EAST POND	Prov 2	0	0	0	0	0	0	0	0							
INACTIVE	02YU014	TRIBUTARY TO GILTS POND BROOK	Prov 2	0	0	0	0	0	0	0	0							
ACTIVE	02YH010	GRAND LAKE EAST OF GRAND LAKE BROOK	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	1	Jan-Dec	1988
ACTIVE	02YU013	EXPLOITS RIVER AT BADGER	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	2003
ACTIVE	02YU016	EXPLOITS RIVER NEAR MILLERTOWN	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	2008
ACTIVE	02YU018	EXPLOITS RIVER AT CHARLIE EDWARDS POINT	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	2009
ACTIVE	02YU017	Red Indian Lake at Indian Point	Prov 1	0.4	0	0.4	0	0.4	0	0.4	0	WSC	1	1	1	1	Jan-Dec	2009
ACTIVE	02ZC004	GRANITE LAKE AT EAST END	Prov 2	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	1	Jan-Dec	2001
ACTIVE	02ZJ002	GREY RIVER NEAR GREY RIVER	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	1	Jan-Dec	1969
ACTIVE	02YH004	INDIAN BROOK DIVERSION ABOVE BIRCHY LAKE	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	1990
ACTIVE	02ZM020	LEARY'S BROOK AT PRINCE PHILIP DRIVE	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	1985
ACTIVE	02ZK004	LITTLE SALMONIER RIVER NEAR NORTH HARBOUR	Prov 1	1	0	1	0	1	0	1	0	WSC	1	1	1	1	Jan-Dec	1983

Status	Station No	Station Name	Class	Stn units				Stn units				Operator	Rmt	Record			Operating Period	Est'd
				fed	prov	com	Stn	fed	prov	com	Q			H	R			
ACTIVE	02ZK007	RATTLING BROOK BIG POND	Prov2	0.4	0	0.4	0	0.4	0	0.4	0	WSC		1	1	1	Jan-Dec	2006
ACTIVE	02ZK006	RATTLING BROOK BELOW BRIDGE	Prov2	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	2006
ACTIVE	02ZK008	Ratting Brook below Plant Discharge	Prov1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	2009
ACTIVE	02ZM006	NORTHEAST POND RIVER AT NORTHEAST POND	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1953
ACTIVE	02ZM022	RAYMOND BROOK AT OUTLET OF BAY BULLS BIG POND	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1988
ACTIVE	02ZJ002	SALMON COVE RIVER NEAR CHAMFNEYS	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1983
ACTIVE	02ZL004	SHEARSTOWN BROOK AT SHEARSTOWN	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1983
ACTIVE	02YI004	SOUTH BROOK AT PASADENA	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1983
ACTIVE	02YI012	Steady Book above Confluence of Humber river	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	2014
ACTIVE	02ZN002	ST SHOTTS RIVER NEAR TREPASSEY	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	1985
ACTIVE	02YN004	STAR BROOK ABOVE STAR LAKE	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2000	
ACTIVE	02YR004	TRITON BROOK ABOVE GAMBO POND	Prov 1	1	0	1	0	1	0	1	0	WSC		1	1	1	Jan-Dec	2002
ACTIVE	02YN005	VICTORIA LAKE AT NORTHEAST CONTROL STRUCTURE	Prov2	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2003	
ACTIVE	02ZD003	R.R. POND NEAR GRANITE LAKE	Prov2	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2003	
ACTIVE	02YF002	CAT ARM RESERVOIR NEAR SPILLWAY	Prov2	0.4	0	0.4	0	0.4	0	0.4	0	WSC		1	1	1	Jan-Dec	1994
ACTIVE	02ZC003	WHITE BEAR RIVER ABOVE BIG INDIAN BROOK	Prov2	0.9	0	0.9	0	0.9	0	0.9	0	WSC	1	1	1	Seasonal	1996	
ACTIVE	02Y0019	Badger Brook Below Foot Bridge	Prov 1	0.4	0	0.4	0	0.4	0	0.4	0	WSC		1	1	1	Jan-Dec	2017
ACTIVE	03OC003	ATIKONAK RIVER ABOVE PANCHIA LAKE	Prov2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	1972	
ACTIVE	03NE003	CAMP POND AT SOUTHWEST END	Prov 2	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	1995	
ACTIVE	03NE002	CAMP POND BROOK BELOW CAMP POND	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2002	
ACTIVE	03OA012	Luco Brook below Tinto Pond	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2006	
ACTIVE	03OA014	Wabush Lake at Dolomite Rd	Prov 2	0.4	0	0.4	0	0.4	0	0.4	0	WSC	1	1	1	Jan-Dec	2006	
ACTIVE	03OA005	Wabush Lake at Lake Outlet	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2007	
ACTIVE	03OE011	PINUS RIVER	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	1998	
ACTIVE	03NE011	REID BROOK Below Tributary	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2003	
ACTIVE	03NE001	REID BROOK AT OUTLET OF REID POND	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2002	
ACTIVE	03NE012	TRIBUTARY to Reid Brook	Prov 2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2003	
ACTIVE	03OE013	CHURCHILL RIVER ABOVE GRIZZLE RAPIDS	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2008	
ACTIVE	03OE014	CHURCHILL RIVER 6.15KMS BELOW MUSKRAT FALLS	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2008	
ACTIVE	03PC001	Churchill River at English Point	Prov1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2010	
ACTIVE	03OB007	Elross Creek below Fnette Lake Inflow	Prov2	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2011	
ACTIVE	03OA015	Flora Creek below Trans Labrador Highway	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2012	
ACTIVE	03OB009	Joan Brook below outlet of Joan Lake	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2016	
ACTIVE	03OA016	Dumbell stream above Dumbell Lake	Prov 2	1	0	1	0	1	0	1	0	WSC	1	1	1	Jan-Dec	2016	
ACTIVE	03OD008	Churchill River Above Churchill Falls Tailrace	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2017	
ACTIVE	03OD009	Churchill River below Melcham River	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2017	
ACTIVE	03OD010	Churchill River Below Churchill Falls Tailrace	Prov 1	1.2	0	1.2	0	1.2	0	1.2	0	WSC	1	1	1	Jan-Dec	2017	
ACTIVE	03OE017	Mud Lake at outlet tributary at Mud Lake	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2017	
ACTIVE	03OA017	Pumphouse Stream above Drum Lake	Prov 2	1	0	1	0	1	0	1	0	WSC	1	1	1	Jan-Dec	2017	
ACTIVE	03OE019	Churchill River Below Outlet of Traverspine River	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2018	
ACTIVE	03OE018	Churchill River at End of Mud Lake Road	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2018	
ACTIVE	03PD002	CHURCHILL RIVER OUTLET AT RABBIT ISLAND	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2018	
ACTIVE	03OE016	Churchill River at Happy Valley	Prov 1	0.6	0	0.6	0	0.6	0	0.6	0	WSC	1	1	1	Jan-Dec	2018	
ACTIVE	TBD	Goose River at Bridge	Contributed	0	0	0	0	0	0	0	0	WRMD		1	1	1	Jan-Dec	2018

Total Provincial Newfoundland				26.1	0.0	26.1	0.0	31.0
Total Provincial Labrador				25.2	0.0	25.2	0.0	26.0
Total Provincial Newfoundland & Labrador				51.3	0.0	51.3	0.0	57.0

Grand Total Newfoundland				70.5	27.9	42.6	0.0	74.0
Grand Total Labrador				30.6	5.4	25.2	0.0	31.0
Grand Total Newfoundland and Labrador				101.1	33.3	67.8	0.0	105.0

ASHKUI WATER QUALITY SAMPLING SITES

Status	Station No	Station Name	Class	Stn units	fed	prov	com	Stn units	fed	prov	com	Operator	Rmt	Record	Operating Period	Est'd
ACTIVE		CAPE CARIBOU RIVER		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
ACTIVE		Dominion Lake		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
ACTIVE		Seal Lake Narrows		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
ACTIVE		Susan River		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
ACTIVE		Wuchusk lake		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
ACTIVE		NASKAUPI RIVER BELOW NASKAUPI LAKE		0.1	0	0.1	0	0.10	0	0.10	0	WSC				
Total Water Quality Sampling Sites Labrador				0.60	0.00	0.60	0.00	6.00								


 Haseen Khan, P.Eng. Date
 Director
 Water Resources Management Division
 Department of Environment and Climate Change
 Administrator for Province of Newfoundland and Labrador


 Digitally signed by Jenkinson, Wayne
 Date: 2024.09.01 11:16:15 -04'00'
 Wayne Jenkinson, PhD, P.Eng. Date
 Executive Director
 National Hydrological Service
 Meteorological Service of Canada
 Environment and Climate Change Canada

Appendix B SIGNED SCHEDULE D 2024-2025

NEWFOUNDLAND AND LABRADOR 2024-2025				
<u>SCHEDULE D</u>				
This schedule provides a summary of the annual payment. The details of the calculations for operation and construction are available and have been jointly reviewed by the officers of each party.				
ANNUAL PAYMENT FOR 2024-2025 TO BE PAID TO THE RECEIVER GENERAL FOR CANADA BY THE PROVINCE OF NEWFOUNDLAND AND LABRADOR				
NEWFOUNDLAND and LABRADOR SHARE				
	O&M	Salary	Capital	Total
a) Streamflow and Water Level Installations - Island	\$197,256.34	\$495,602.75	\$55,112.21	\$747,971.31
b) Streamflow and Water Level Installations - Labrador	\$301,528.94	\$300,153.78	\$33,377.82	\$635,060.54
c) Construction/Major Maintenance/Decommissioning	\$50,000.00	\$0.00	\$0.00	\$50,000.00
d) Height Modernization Project*	(\$1,000.00)	\$0.00	\$0.00	(\$1,000.00)
e) Third-Party Agreement Maintenance Project*	(\$7,514.00)	\$0.00	\$0.00	(\$7,514.00)
f) Real Property Management Project*	(\$6,330.00)	\$0.00	\$0.00	(\$6,330.00)
TOTAL	\$533,941.28	\$795,756.53	\$88,490.03	\$1,418,187.84

	June 13, 2024		Digitally signed by Jenkinson, Wayne Date: 2024.09.01 11:16:29 -04'00'
Haseen Khan, P.Eng. Director Water Resources Management Division Department of Environment and Climate Change Administrator for Province of Newfoundland and Labrador	Date	Wayne Jenkinson, PhD, P.Eng. Executive Director National Hydrological Service Meteorological Service of Canada Environment and Climate Change Canada	Date

* Amounts indicate federal share of Special Projects agreed upon by both parties, that directly contribute to the operation of the program.

Appendix C Summary of Cumulative Annual Costs 1975-76 to 2024-2025

SUMMARY OF ACTUAL ANNUAL COSTS AND PAYMENTS														
1975-76 TO 2024-25														
SCHEDULE "D" PAYMENTS BY PROVINCE OF NEWFOUNDLAND										ACTUAL PROVINCIAL SHARE		PROVINCIAL +CREDIT		
YEAR	Hydrometric Op.	Umbur River Met Station	Inkind Equipment Purchased by the province	In kind Equipment Credit	SEDIMENT	CONSTR'N	TOTAL	HYDROMET	SEDIMENT	CONSTR'N	TOTAL	-DEBIT	Current Balance	
1975-76	\$ 37,800				\$ -	\$ 3,600	\$ 41,400	\$ 36,238	\$ -	\$ 2,177	\$ 38,415	\$ 2,985	\$ 2,985.00	
1976-77	\$ 32,340				\$ -	\$ 12,000	\$ 44,340	\$ 37,840	\$ -	\$ 1,573	\$ 39,413	\$ 4,927	\$ 7,912.00	
1977-78	\$ 35,520				\$ -	\$ 24,480	\$ 60,000	\$ 38,700	\$ -	\$ 13,963	\$ 52,663	\$ 7,337	\$ 15,249.00	
1978-79	\$ 56,775				\$ 1,400	\$ 11,825	\$ 70,000	\$ 51,371	\$ 679	\$ 26,000	\$ 78,050	\$ 8,050	\$ 7,199.00	
1979-80	\$ 68,338				\$ 933	\$ 25,729	\$ 95,000	\$ 62,256	\$ 896	\$ 22,476	\$ 85,628	\$ 9,372	\$ 16,571.00	
1980-81	\$ 78,639				\$ 1,475	\$ 6,000	\$ 86,114	\$ 83,518	\$ 1,064	\$ 7,703	\$ 92,285	\$ 6,171	\$ 10,400.00	
1981-82	\$ 83,523				\$ 3,750	\$ 14,000	\$ 101,273	\$ 100,726	\$ 3,114	\$ 16,560	\$ 120,400	\$ 19,127	\$ 8,727.00	
1982-83	\$ 96,542				\$ 3,744	\$ 55,000	\$ 155,286	\$ 102,735	\$ 5,886	\$ 47,224	\$ 155,845	\$ 559	\$ 9,286.00	
1983-84	\$ 141,457				\$ 4,470	\$ 38,000	\$ 183,927	\$ 136,917	\$ 6,906	\$ 37,864	\$ 181,687	\$ 2,240	\$ 7,046.00	
1984-85	\$ 168,244				\$ 7,350	\$ 52,000	\$ 227,594	\$ 168,247	\$ 5,295	\$ 48,662	\$ 222,204	\$ 5,390	\$ 1,656.00	
1985-86	\$ 195,563				\$ 7,650	\$ 36,787	\$ 240,000	\$ 191,580	\$ 6,324	\$ 39,203	\$ 237,107	\$ 2,893	\$ 1,237.00	
1986-87	\$ 211,706				\$ 6,975	\$ 34,641	\$ 253,322	\$ 222,843	\$ 4,413	\$ 35,136	\$ 262,392	\$ 9,070	\$ 7,833.00	
1987-88	\$ 213,634				\$ 6,975	\$ 42,000	\$ 262,609	\$ 220,934	\$ 3,597	\$ 47,957	\$ 272,488	\$ 9,879	\$ 17,712.00	
1988-89	\$ 245,221				\$ 6,300	\$ 15,000	\$ 266,521	\$ 237,249	\$ 4,683	\$ 16,148	\$ 258,080	\$ 8,441	\$ 9,271.00	
1989-90	\$ 253,392				\$ 5,173	\$ 30,000	\$ 288,565	\$ 274,004	\$ 5,571	\$ 21,264	\$ 300,839	\$ 12,274	\$ 21,545.00	
1990-91	\$ 260,691				\$ 5,925	\$ -	\$ 266,616	\$ 266,058	\$ 4,809	\$ 2,532	\$ 273,399	\$ 6,783	\$ 28,328.00	
1991-92	\$ 264,591				\$ 6,450	\$ -	\$ 271,041	\$ 234,222	\$ 5,649	\$ -	\$ 239,871	\$ 31,170	\$ 2,842.00	
1992-93	\$ 276,655	\$ -	\$ 3,173	\$ -	\$ 3,825	\$ -	\$ 277,307	\$ 254,430	\$ 4,713	\$ -	\$ 259,143	\$ 18,164	\$ 2,106.00	
1993-94	\$ 274,156	\$ -	\$ 8,200	\$ -	\$ 3,700	\$ 21,000	\$ 295,683	\$ 276,163	\$ 3,505	\$ 20,496	\$ 300,164	\$ 4,481	\$ 16,525.00	
1994-95	\$ 303,700	\$ -	\$ 3,200	\$ -	\$ 3,200	\$ -	\$ 298,700	\$ 288,835	\$ 3,220	\$ -	\$ 292,055	\$ 6,645	\$ 23,170.00	
1995-96	\$ 310,272	\$ -	\$ 16,232	\$ -	\$ 1,375	\$ -	\$ 295,415	\$ 292,860	\$ 1,180	\$ -	\$ 294,040	\$ 1,375	\$ 24,545.00	
1996-97	\$ 236,427	\$ -	\$ 6,784	\$ -	\$ -	\$ -	\$ 229,643	\$ 229,643	\$ -	\$ -	\$ 229,643	\$ -	\$ 24,545.00	
1997-98	\$ 172,334	\$ -	\$ 5,165	\$ -	\$ -	\$ -	\$ 167,169	\$ 175,042	\$ -	\$ -	\$ 175,042	\$ 7,873	\$ 16,672.00	
1998-99	\$ 151,439	\$ -	\$ 4,808	\$ -	\$ -	\$ -	\$ 146,631	\$ 154,159	\$ -	\$ -	\$ 154,159	\$ 7,528	\$ 9,144.24	
1998-99		Adjustment credit to modernization			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,677	\$ 15,532.76	
1999-00	\$ 147,934	\$ -	\$ 4,686	\$ -	\$ -	\$ -	\$ 143,248	\$ 152,829	\$ -	\$ -	\$ 152,829	\$ 9,581	\$ 25,113.89	
2000-01	\$ 165,270	\$ -	\$ 5,231	\$ -	\$ -	\$ -	\$ 160,039	\$ 158,561	\$ -	\$ -	\$ 158,561	\$ 1,477.67	\$ 23,636.22	
2001-02	\$ 166,997	\$ -	\$ 5,119	\$ -	\$ -	\$ -	\$ 161,878	\$ 158,634	\$ -	\$ -	\$ 158,634	\$ 3,244.05	\$ 20,392.17	
2002-03	\$ 172,639	\$ -	\$ 5,369	\$ -	\$ -	\$ -	\$ 167,270	\$ 169,865	\$ -	\$ -	\$ 169,865	\$ 2,595.38	\$ 22,987.55	
2003-04	\$ 178,699	\$ -	\$ 4,924	\$ -	\$ -	\$ -	\$ 173,775	\$ 175,735	\$ -	\$ -	\$ 175,735	\$ 1,960.00	\$ 24,947.55	
2004-05	\$ 420,834	\$ -	\$ 5,395	\$ -	\$ -	\$ -	\$ 415,439	\$ 407,849	\$ -	\$ -	\$ 407,849	\$ 7,590.00	\$ 17,357.55	
2005-06	\$ 425,082	\$ -	\$ 5,395	\$ 5,077	\$ 1,523	\$ -	\$ 421,210	\$ 393,104	\$ -	\$ -	\$ 393,104	\$ 28,105.88	\$ 10,748.33	
2006-07	\$ 477,365	\$ -	\$ 5,395	\$ 20,400	\$ 6,120	\$ -	\$ 479,590	\$ 445,337	\$ -	\$ 1,144	\$ 446,481	\$ 33,108.73	\$ 48,857.06	
2007-08	\$ 548,813	\$ -	\$ 6,697	\$ 67,600	\$ 20,280	\$ -	\$ 1,368	\$ 563,764	\$ 537,469	\$ -	\$ 3,663	\$ 541,131	\$ 22,632.70	\$ 66,489.75
2008-09	\$ 605,612	\$ -	\$ 8,258	\$ 56,400	\$ 16,900	\$ -	\$ 14,404	\$ 628,658	\$ 622,512	\$ -	\$ 8,998	\$ 631,510	\$ 2,852.00	\$ 63,637.75
2009-10	\$ 647,777	\$ -	\$ 8,125	\$ 11,000	\$ 3,300	\$ -	\$ 20,500	\$ 663,452	\$ 669,641	\$ -	\$ 21,068	\$ 690,709	\$ 27,257.00	\$ 36,380.75
2010-11	\$ 677,540	\$ -	\$ 8,110	\$ 35,663	\$ 10,699	\$ -	\$ 15,000	\$ 695,129	\$ 692,904	\$ -	\$ 34,502	\$ 727,406	\$ 32,277.00	\$ 4,103.75
2011-12	\$ 694,839	\$ -	\$ 9,291	\$ 57,837	\$ 17,351	\$ -	\$ -	\$ 721,481	\$ 826,078	\$ -	\$ 826,078	\$ -104,597.00	\$ 100,493.25	
2012-13	\$ 806,826	\$ -	\$ 9,983	\$ 18,040	\$ 5,412	\$ -	\$ -	\$ 802,255	\$ 804,546	\$ -	\$ 804,546	\$ -2,291.00	\$ 102,784.25	
2013-14	\$ 832,689	\$ -	\$ 9,983	\$ 16,821	\$ 5,046	\$ -	\$ -	\$ 827,752	\$ 806,657	\$ -	\$ 806,657	\$ 21,095.30	\$ 81,688.95	
2014-15	\$ 861,167	\$ -	\$ 10,133	\$ 44,046	\$ 13,214	\$ -	\$ -	\$ 864,248	\$ 806,396	\$ -	\$ 806,396	\$ 57,851.80	\$ 23,837.15	
2015-16	\$ 803,974	\$ -	\$ 10,133	\$ 3,343	\$ 1,003	\$ -	\$ -	\$ 794,844	\$ 785,933	\$ -	\$ 785,933	\$ 8,911.00	\$ 14,926.15	
2016-17	\$ 750,644	\$ -	\$ 10,133	\$ 15,551	\$ 4,665	\$ -	\$ -	\$ 745,176	\$ 817,843	\$ -	\$ 817,843	\$ 72,666.70	\$ 87,592.84	
2017-18	\$ 987,293	\$ -	\$ 10,133	\$ 9,255	\$ 2,777	\$ -	\$ -	\$ 979,937	\$ 929,538	\$ -	\$ 929,538	\$ 50,398.50	\$ 37,194.34	
2018-19	\$ 981,142	\$ -	\$ -	\$ 18,594	\$ 5,578	\$ -	\$ -	\$ 986,720	\$ 988,310	\$ -	\$ 988,310	\$ -1,589.80	\$ 38,784.15	
2019-20	\$ 977,768	\$ -	\$ -	\$ 20,437	\$ 6,131	\$ -	\$ -	\$ 983,899	\$ 1,001,763	\$ -	\$ 1,001,763	\$ -17,863.90	\$ 56,648.05	
2020-21	\$ 975,240	\$ -	\$ -	\$ 39,509	\$ 11,853	\$ -	\$ -	\$ 987,093	\$ 934,810	\$ -	\$ 934,810	\$ 52,282.70	\$ 4,365.35	
2021-22	\$ 999,226	\$ -	\$ -	\$ 43,554	\$ 13,066	\$ -	\$ -	\$ 1,012,292	\$ 1,040,083	\$ -	\$ 1,040,083	\$ -27,791.00	\$ 32,156.35	
2022-23	\$ 1,017,431	\$ -	\$ -	\$ -	\$ -	\$ 29,180	\$ 1,046,611	\$ 1,021,690	\$ -	\$ 27,462	\$ 1,049,152	\$ -2,541.00	\$ 34,697.35	
2023-24	\$ 1,170,338	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 1,205,338	\$ 1,098,101	\$ -	\$ 58,935	\$ 1,157,036	\$ 48,302.00	\$ 13,604.65	
2024-25	\$ 1,368,188	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 1,418,188	\$ 1,385,029	\$ -	\$ 37,660	\$ 1,422,689	\$ -4,501.00	\$ 9,103.65	
											Net total		\$ 9,103.65	

NOTES. A positive net total indicates funds owed to the Province.

APPENDIX D

ATLANTIC REGION INFRASTRUCTURE REPORT 2024-25



Hydrometric Infrastructure and Construction in Atlantic Canada Project Summary Report 2024 - 2025

Prepared for: Internal Use and Provincial Partners

Prepared by:

Environment and Climate Change Canada (ECCC), National Hydrological Service

Science and Engineering Services, Infrastructure and Construction

Prepared on:

November 25, 2025



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1. Introduction

This report provides a summary of the infrastructure and construction projects that were initiated and/or completed in Atlantic Canada from April 1, 2024 to March 31, 2025. Projects were selected based on their alignment with priorities for infrastructure renewal, occupational health and safety (OHS) and public safety liability reduction, as well as cost-share provincial partner priorities. Where possible, an approach was taken to renew stations that have multiple issues and bundle work to increase project efficiencies and enhance cost saving. The priorities that guided formation of the workplan projects included the following:

- Decommission inactive cableways;
- Retrofit cableways where they are still needed;
- Assess and remediate/risk assess environmental liabilities (e.g., creosote, total petroleum hydrocarbons (PHC), mercury, lead);
- Install new stations at the request of the cost share partners;
- Replace/repair shelters that are in unsafe/unusable condition; and
- Decommission inactive wells with shelters in poor condition.

1.1. Environmental Liabilities

Federal funding for contaminated sites may be leveraged for the hydrometric station legacy environmental assessment and remediation requirements through the Federal Contaminated Site Action Plan (FCSAP). National Classification System for Contaminated Sites (NCSCS) scoring is required for each candidate station to be able to access this funding. This funding may be used to help tackle outstanding environmental contamination in the longer term. The FCSAP program can contribute up to 85% of the total project costs and the NHS program (including cost share partners depending on the station designation) pays the remaining 15% of the project costs.

2. New Brunswick

2.1. Tobique River at Riley Brook (01AH002)

In January 2024, an issue with the station's power supply was identified, prompting the procurement of a contractor to assess and repair the system. During a site visit on January 23, 2024, the contractor determined that one of the two underground power wires supplying the station had been damaged. Following the issuance of the required work permits, the contractor replaced both the damaged wire and its protective conduit. Work was completed on December 3, 2024. Figure 1 shows the underside of the gauge enclosure after work completion, with the replaced cable indicated by red arrows.



Figure 1. Underside of 01HA002 Tobique River at Riley Brook equipment enclosure (photograph taken December 4, 2024).

2.2. Big Presque Isle Stream at Tracey Mills (01AJ004)

The station had an inactive cableway system (shown below in Figure 2) which required decommissioning. A demolition contractor was retained to complete the decommissioning work. Prior to removal, it was noted that the wooden frame of the cableway contained lead-based paint, and the contractor was instructed to dispose of impacted materials in accordance with provincial hazardous waste guidelines. Decommissioning was completed in September 2024.



Figure 2. The cableway on site prior to decommissioning (photograph taken July 24, 2025).

2.3. Shogomoc Stream Near Trans Canada Highway (01AK001)

The station's bank-operated cableway system was returned to active status after some required lifecycle maintenance to replace aging components and address safety concerns. Work included replacing both the primary cable and the aircraft marker cable, as well as both backstays. All work was completed in November 2024. Following installation, the cableway was verified to ensure compliance with applicable safety standards. Figure 3 shows the load testing conducted on the newly installed main cable.



Figure 3. Load test conducted on the newly maintained cableway (photograph taken November 7, 2024).

2.4. Saint John River at Maugerville (01AO002)

An Environmental Site Assessment (ESA) was required at this site to address mercury contamination concerns at the former site of the station. It should be noted that the current active station is located at a different site nearby and not impacted by environmental contamination. Surface soil samples were collected from across the site for mercury analysis, and concrete samples were collected from the vicinity of the former structure and stairs. Figure 4 shows the concrete coring activities completed as part of the Phase II ESA. The assessment determined that no mercury was detected in the collected soil samples. However, mercury concentrations in the concrete samples exceeded applicable criteria. Based on these results, it was recommended that the concrete slab be removed and disposed of at an approved facility. This further remediation and site closure work is planned to be completed in fiscal year 2025-26.



Figure 4. View of concrete pad coring activities as part of the ESA (photograph taken February 25, 2026).

2.5. Grand Lake at Newcastle Creek (01AO003)

This station was relocated to mitigate flood risk associated with its former location within a flood-prone area. At the new site, a concrete pad was constructed, and a tilting mast system was installed to provide sufficient elevation above potential flood levels. The relocation was completed in October 2024, with the installation of an aluminum look-in shelter equipped on the tilt mast. The new station is shown below in Figure 5. This project included the establishment of a land access licence agreement with the property owner New Brunswick Power Corporation.



Figure 5. Station relocation with tilt mast system (photograph taken October 11, 2024).

2.6. Restigouche River Above Rafting Ground Brook (01BJ007)

This station required a retractable ladder due to accessibility concerns captured in Figure 6. The extent of the work completed during this fiscal year included the design of the retractable ladder and platform that will be installed on the shelter during the next year, 2025-26.



Figure 6. Shelter in need of a ladder and platform for access (photograph taken July 28, 2020).

2.7. Petitcodiac River Near Petitcodiac (01BU002)

This project included the installation of a new on-site look-in style equipment box shelter mounted on a tilting mast. The previous shelter and stilling well on site was decommissioned after a Phase II ESA preceding site construction was completed on March 27th, 2023, noted that the soil at the bottom of the stilling well exhibited exceedances to the applicable regulatory compliance criteria. Figure 7 shows the new look-in shelter. A new land access licence agreement was established for this site with the residential property owner.



Figure 7. New station installation at 01BU002 Petitcodiac River near Petitcodiac with tilting mast and look-in style shelter.

3. Nova Scotia

3.1. Wallace River at Wentworth Centre (01DN004)

This station was a new full discharge station installation request from the Nova Scotia Department of Environment and Climate Change (NSECC). A temporary setup was installed with plans for a permanent station installation in the following fiscal year, 2025-26. The temporary station was to be used to assess the site's effectiveness for long-term measuring efforts and determining how



reliable the proposed gauging pool would be in high- and low-water scenarios. Figure 8 shows the assembled temporary station on site.



Figure 8. Temporary station installation (photograph taken September 12, 2024).

3.2. Mersey River Below Mill Falls (01ED007)

Lifecycle maintenance work was performed at this cableway station in November 2024 to replace the pre-existing main and backstay cables. During the site visits, the new cables were load tested to ensure they met standards. Figure 9 shows a newly installed main cable.



Figure 9. Newly installed main cable (photograph taken November 9, 2024).

3.3. West River Sheet Harbour at Beaver Dam Mines Roads (01EM003)

This station was a new full discharge station installation request from the NSECC. This station was installed as a temporary setup for recording data ahead of a permanent gauge installation planned for the following fiscal year. The temporary station was to be used to confirm the site's effectiveness for long-term measuring efforts and determining how reliable the proposed gauging pool would be in high- and low-water scenarios. The temporary installation is shown as Figure 10.



Figure 10. Temporary station installation (photograph taken March 20, 2024).

3.4. West River Sheet Harbour Near Marinette (01EM004)

This station was a new full discharge station installation request from the NSECC. This station was constructed as a temporary measure for recording data ahead of a permanent gauge installation planned for the following fiscal year. The temporary station was to be used to confirm the site's effectiveness for long-term measuring efforts and determining how reliable the proposed gauging pool would be in high- and low-water scenarios. Figure 11 shows the installed temporary station.



Figure 11. Temporary station installation (Photograph taken August 25, 2024).

3.5. Northeast Margaree River at Margaree Valley (01FB001)

This station was relocated from another site in the area. It was determined that the previous site was not hydrologically suitable and unrepresentative of the entirety of the river's channel, and that relocation would significantly increase data quality. The relocated station can be seen in Figure 12.



Figure 12. Station relocation with tilt mast system (photograph taken September 10, 2024).

3.6. Ingram Brook Near Rivulet (01FB007)

This station was installed on July 7, 2024, to record water levels and discharge in Ingram Brook. It was determined that a helical pile would be installed to provide the foundation for the equipment enclosure. The new station installation is shown in Figure 13.



Figure 13. Tilting mast and look-in style shelter at 01FB007 Ingram Brook Near Rivulet (photograph taken October 16, 2024).

3.7. Cheticamp River Above Robert Brook (01FC002)

A Phase II ESA was conducted at this station to prepare for decommissioning activities of the shelter and stilling well. PSPC were used to retain a consultant to conduct the ESA and obtain an NCSCS score. An ESA report was produced on March 27, 2025, which classified this site as Class N (Not a Priority for Action). The inactive cableway at this site was decommissioned by ECCC staff in April 2024, shown in Figure 14.



Figure 14. The cableway with a cable car that was decommissioned at 01FC002 Cheticamp River above Robert Brook (photograph taken April 2024).

4. Newfoundland & Labrador

In 2024-2025, a total of six (6) inactive cableways were decommissioned in Newfoundland and Labrador.

4.1. Rattler Brook Near McIvers (02YL005)

This site had an inactive cableway that was decommissioned. Figure 15 shows the cableway prior to decommissioning. The cableway material was removed from the site and disposed of according to regulations. Decommissioning was completed on September 17, 2024.



Figure 15. Cableway on-site prior to decommissioning (photograph taken September 17, 2024).

4.2. Indian Brook Diversion Above Birchy Lake (02YM004)

This site had an inactive cableway that was decommissioned according to Treasury Board priorities. Figure 16 shows the site after the cableway was removed. All of the cableway material was removed from the site and disposed of according to regulations.



Figure 16. The location of the former cableway after the decommissioning was completed (photograph taken September 17, 2024).

4.3. Star Brook Above Star Lake (02YN004)

This site had an inactive cableway that was decommissioned according to Treasury Board priorities. As this site is helicopter-access only, the cableway materials were stored on site for removal at a later date.

4.4. Great Rattling Brook Above Tote River Confluence (02YO008)

This site contained an inactive cableway that required decommissioning, as well as localized soil remediation. Contaminated soil associated with the creosote-treated A-frames of the former cableway and lead-impacted soil identified beneath the former shelter (Figure 17) were remediated as part of the work. PSPC retained an environmental consultant to complete the decommissioning and remediation activities. Following completion of the work, a new shelter was installed (Figure 18), and a Site Closure Report was obtained to confirm that remediation objectives were met.



Figure 17. Former shelter on site (photograph taken January 14, 2025).



Figure 18. New shelter installation with tilt mast system (photograph taken March 14, 2025).

4.5. Salmon River Near Glenwood (02YQ005)

This site had an inactive cableway that was decommissioned in 2024. The cableway material was removed from the site and disposed of according to regulations. Figure 19 shows the remaining wooden pad (surrounding materials were subsequently removed from the site).



Figure 19. The cableway demolition process at 02YQ005 Salmon River Near Glenwood (photograph taken May 21, 2024).

4.6. Salmonier River Near Lamaline (02ZG003)

This site had an inactive cableway that was decommissioned in 2024. Figure 20 shows the cableway, and Figure 21 the post-decommissioning site conditions. The decommissioning took place on February 5th, 2025, and the material was removed from the site and disposed of according to regulations.



Figure 20. Cableway at 02ZG003 Salmonier River near Lamaline prior to decommissioning (photograph taken February 5, 2025).



Figure 21. Cableway at 02ZG003 Salmonier River near Lamaline site post decommissioning (photograph taken February 5, 2025).