CANADA-NEWFOUNDLAND
WATER QUALITY MONITORING AGREEMENT

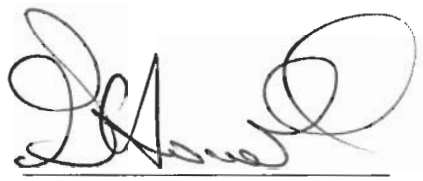
ANNUAL WORK SCHEDULE
2002-2003

Water Resources Management Division
Department of Environment
St. John's, Newfoundland

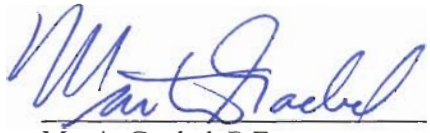
Ecosystem Science Division
Environmental Conservation Branch
Environment Canada
Moncton, New Brunswick

Canada-Newfoundland
Water Quality Monitoring Agreement
Annual Work Schedule 2002-2003

The attached Schedules A, B, C, D and E outline work activities to be carried out during the current fiscal year under the Canada-Newfoundland Water Quality Monitoring Agreement. All five Schedules have been reviewed and approved by the Administrators of the Agreement.



Geoff Howell
Administrator, on behalf of
Environment Canada



Martin Goebel, P.Eng.
Administrator, on behalf of
Newfoundland Environment

Schedule A

Agreement Committees

The following officials are named to administer this Agreement according to Article x:

Mr. Geoff Howell	Environment Canada Atlantic Region, on behalf of Canada
Mr. Martin Goebel	Newfoundland Department of Environment, on behalf of Newfoundland

The Administrators will be assisted by a Coordinating Committee consisting of the following:

Mr. Art Cook	Environment Canada Atlantic Region
Mr. Haseen Khan	Water Resources Management Division, Newfoundland Department of Environment

Schedule B

Station Location, Designation

and Sampling Frequency

Index Station Location, Designation and Sampling Frequency 2002-2003

Station #	Description	Latitude	Longitude	Sampled By	Samples/year	Remarks
EASTERN REGION						
NF02ZG0024	Tides Brook	47 07 39	55 15 55	P	2	
NF02ZK0005	Northeast River	47 16 23	53 50 25	P	2	
NF02ZL0029	Goulds Brook	47 30 18	53 17 28	P	2	
NF02ZM0004	Waterford River	47 31 19	52 48 29	P	4	
NF02ZM0009	Waterford River	47 31 46	52 44 34	P	4	
NF02ZM0014	Virginia River	47 35 02	52 41 29	P	12	
NF02ZM0015	Quidi Vidi Outlet	47 35 02	52 40 51	P	6	
NF02ZM0016	Rennies River	47 34 40	52 42 03	P	12	
NF02ZM0098	Virginia River	47 35 56	52 45 17	P	2	
NF02ZM0109	Mundy Pond	47 33 40	52 44 38	P	4	
NF02ZM0144	Kelly's Brook	47 34 28	52 42 45	P	4	
NF02ZM0175	Waterford River	47 31 34	52 45 48	P	4	
NF02ZM0176	South Brook	47 31 41	52 44 48	P	4	
NF02ZM0177	Rennies River	47 34 28	52 42 36	P	4	
NF02ZM0178	Learys Brook	47 34 21	52 44 21	P	4	
NF02ZM0179	Virginia River	47 35 47	52 42 06	P	4	
NF02ZM0180	Virginia River	47 35 59	52 42 02	P	4	
NF02ZM0181	Waterford River	47 32 53	52 43 09	P	12	
NF02ZM0182	Waterford River	47 31 07	52 51 21	P	2	
NF02ZM0183	Kelligrews River	47 29 45	53 01 03	P	2	
NF02ZM0184	Learys Brook	47 34 16	52 47 29	P	4	
NF02ZM0185	South Brook	47 29 37	52 51 02	P	4	
NF02ZN0002	Northwest Brook	46 45 33	53 23 25	P	2	
NF02ZN0004	Salmonier River	47 10 54	53 23 56	P	4	
NF02ZG0016	Garnish River	47 13 00	55 19 48	F	6	
NF02ZH0001	Pipers Hole River	47 55 51	54 16 25	F	6	
NF02ZK0001	Rocky River	47 13 38	53 34 09	F	6	
CENTRAL REGION						
NF02YM0004	South West Brook	49 55 15	56 13 45	P	4	
NF02YO0143	Exploits River	49 01 15	55 27 15	P	12	
NF02YO0142	Corduroy Brook	48 56 21	55 39 47	P	12	
NF02YO0001	Exploits River	48 55 27	55 39 21	P	12	
NF02YO0020	Exploits River	48 56 55	55 54 56	P	6	
NF02YO0021	Exploits River	49 00 40	55 28 55	P	12	
NF02YO0107	Exploits River	48 45 34	56 35 32	P	4	
NF02YO0128	Exploits River	48 56 12	55 37 05	P	12	
NF02YQ0006	North W. Gander River	48 34 54	55 30 20	P	4	
NF02YQ0030	Gander River	48 59 41	54 52 04	P	6	
NF02YR0001	Pound Cove Brook	49 10 40	53 33 36	P	4	
NF02YR0021	Middle Brook	48 48 08	54 13 34	P	4	
NF02YS0001	Terra Nova River	48 30 27	54 12 43	P	6	
NF02YS0005	Southwest Brook	48 36 36	53 48 36	P	6	
NF02YS0011	Terra Nova River	48 38 27	54 02 11	P	6	
NF02YS0083	Northwest River	48 23 44	54 11 53	P	6	
NF02ZJ0024	Southern Bay River	48 22 24	53 40 19	P	4	
NF02ZF0020	Bay du Nord River	47 44 45	55 26 23	F	6	HS

WESTERN REGION

NF02YA0001	Ste. Genevieve	51 08 17	56 47 30	P	4	
NF02YE0005	Western Brook	49 49 49	57 51 23	P	4	
NF02YG0001	Main River	49 46 10	56 54 15	P	4	
NF02YH0018	Lomond River	49 24 07	57 43 49	P	4	
NF02YJ0004	Pinchgut Brook	48 47 51	58 03 43	P	4	
NF02YL0011	Humber River	49 20 54	57 14 07	P	6	
NF02YL0012	Humber River	48 59 01	57 45 40	P	6	
NFO2YL0013	Corner Brook	48 56 40	57 56 12	P	6	
NF02YL0029	Wild Cove Brook	48 58 28	57 53 02	P	4	
NF02YN0001	Lloyds River	48 18 16	57 43 07	P	4	
NF02ZA0006	Grand Codroy R.	47 52 08	59 07 05	P	4	
NF02ZA0007	Crabbe's River	48 10 30	58 46 23	P	4	
NF02ZB0001	Isle aux Morts R.	47 36 50	59 00 33	P	4	
NF02ZB0005	Cinq Cerf Brook	47 42 40	58 08 47	P	4	HS
NF02ZC0001	Grandy Brook	47 51 25	57 44 00	F	4	HS
NF02ZD0003	Grey River	47 44 35	56 56 03	F	4	HS
NF02YC0001	Torrent River	50 36 44	57 10 05	F	4	
NF02YJ0006	Harrys River	48 34 32	58 21 48	F	4	

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NF02XA0001	Little Mecatina River	52 13 42	61 19 32	F	4	HS
NF03NF0013	Ugjoktok River	55 13 60	61 17 57	F	4	HS
NF03OC0012	Atikonak River	52 58 03	64 39 40	F	4	HS
NF03OD0011	East Metchin River	53 26 07	63 14 03	F	4	HS
NF03OE0001	Churchill River	53 14 52	60 47 21	F	6	HS
NF03OE0030	Minipi River	52 36 53	61 11 11	F	4	HS
NF03OE0032	Pinus River	53 08 52	61 33 31	F	4	HS
NF03OE0033	Big Pond Brook	53 30 43	60 17 31	F	4	HS
NF03PB0025	Naskaupi River	54 07 54	61 25 45	F	4	HS
NF03QC0001	Eagle River	53 27 54	57 33 29	F	4	HS
NF03QC0002	Alexis River	52 38 57	56 52 17	F	4	HS

LABRADOR ASHKUI

NF02XA0029	Lac Fourmont	52 01 58	60 18 40	F	3	HS
NF03NG0032	Shipiskan Lake West	54 39 22	62 24 21	F	3	HS
NF03NG0033	Shipiskan Lake North	54 39 42	62 21 54	F	3	HS
NF03NG0034	Shipiskan Lake East	54 37 24	62 12 58	F	3	HS
NF03OD0011	East Metchin River	53 26 07	63 14 03	F	3	
NF03OD0012	Wilson R. E. Branch	53 18 33	62 55 11	F	3	
NF03OE0034	Minipi Lake	52 32 55	60 57 43	F	3	HS
NF03OE0035	Dominion Lake	52 43 45	61 45 17	F	3	HS
NF03OE0036	Pinus River	53 02 25	61 17 45	F	3	
NF03OE0037	Cache River	53 11 33	62 12 11	F	3	
NF03PB0027	Naskaupi River	53 47 44	60 50 26	F	3	HS
NF03PB0028	Cape Caribou River	53 37 16	60 24 52	F	3	HS
NF03PB0029	Northwest River	53 31 18	60 08 31	F	3	
NF03PB0030	Seal Lake Narrows	54 19 55	61 38 27	F	3	HS
NF03PB0032	Susan River	53 44 17	60 56 48	F	3	HS
NF03PB0037	Wuchusk Lake	54 23 43	61 47 09	F	3	HS
NF03QA0044	Carter Basin	53 29 52	59 52 25	F	3	HS
NF03QA0045	Kenamu River	53 28 34	59 55 01	F	3	HS

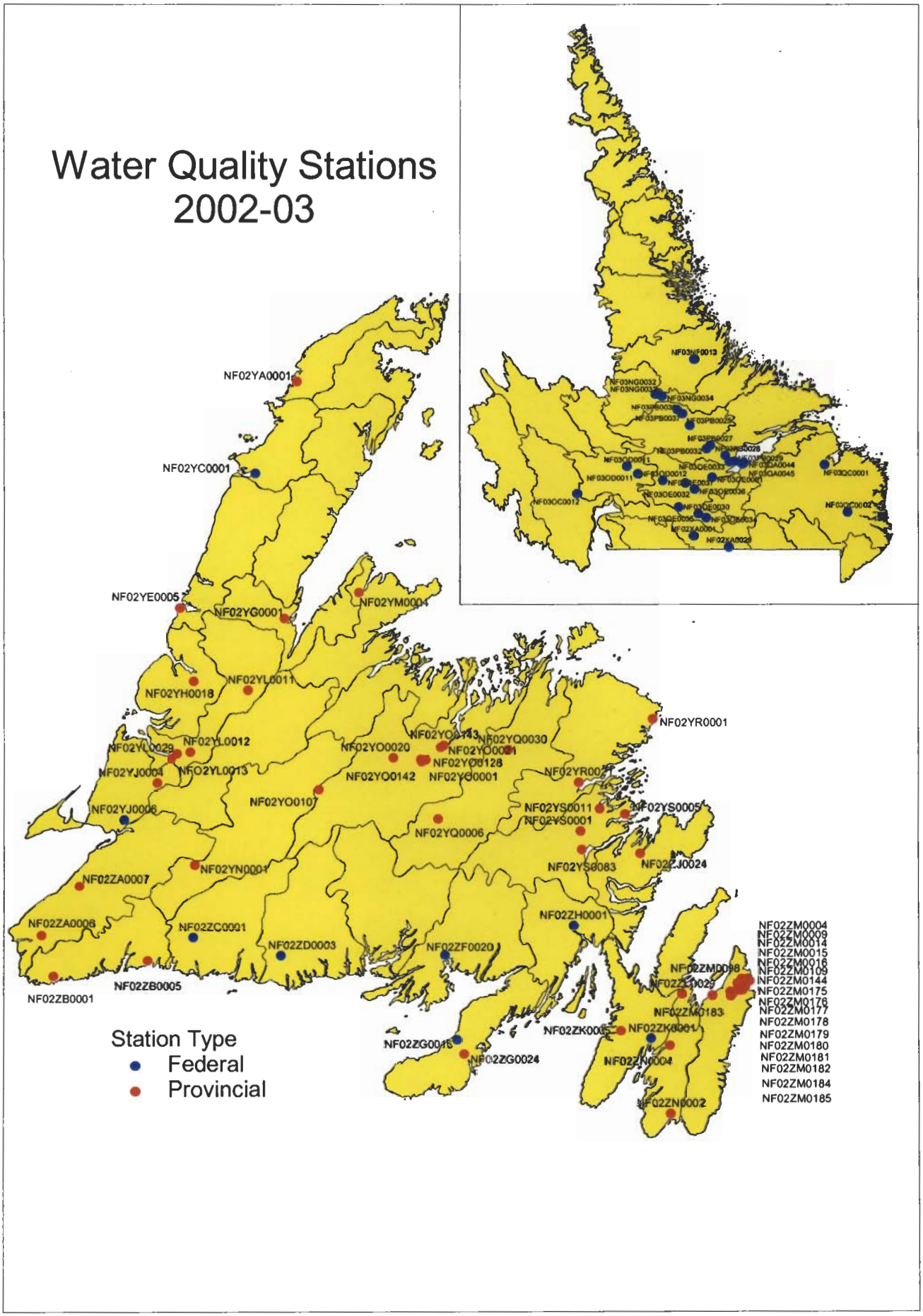
P-Provincial
F-Federal
HS - Helicopter site

Note: 1. A total of 92 stations will be sampled during 2002-2003.

2. Monthly stations will be sampled in the first week of every month; bi-monthly samples in the first week of April, June, August, October, December, and February and quarterly samples in the first week of April, July, October, and January.

3. The focus is to optimize the number of stations sampled in the 2002-03 work schedule, analyse existing data, and prepare technical reports regarding water quality at index stations. Municipal wastewater discharge monitoring will be put on hold for this year.

4. For Ashkui sites, samples are collected 3 times a year and analysed at the Moncton Laboratory for physical parameters, major ions, nutrients, Hg (trace), metals and for chlorophyll at DalTech.


Water Quality Stations
2002-03
NF02YA0001
NF02YC0001
NF02YE0005
NF02YG0001
NF02YM0004
NF02YH0018
NF02YL0011
NF02YL0029
NF02YL0012
NF02YJ0004
NF02YL0013
NF02YJ0006
NF02YO0107
NF02YO0020
NF02YO0131
NF02YO0128
NF02YO0142
NF02YC0001
NF02YQ0030
NF02YR0001
NF02YR002
NF02YQ0006
NF02YS0011
NF02YS0001
NF02YS0005
NF02YS0083
NF02ZJ0024
NF02YN0001
NF02ZA0007
NF02ZA0006
NF02ZC0001
NF02ZD0003
NF02ZB0001
NF02ZB0005
NF02ZF0020
NF02ZH0001
NF02ZM0098
NF02ZM0025
NF02ZM0183
NF02ZK0005
NF02ZK0001
NF02ZG0018
NF02ZG0024
NF02ZN0004
NF02ZN0002
NF02ZM0004
NF02ZM0009
NF02ZM0014
NF02ZM0015
NF02ZM0016
NF02ZM0109
NF02ZM0144
NF02ZM0175
NF02ZM0176
NF02ZM0177
NF02ZM0178
NF02ZM0179
NF02ZM0180
NF02ZM0181
NF02ZM0182
NF02ZM0184
NF02ZM0185
Station Type
Federal
Provincial

Schedule C

Sampling Media and Analytical Parameters

Sampling Media and Analytical Parameters 2002 - 2003

Station #	Description	Sampling Media	Analytical Group	Analysed by:
Eastern Region				
NF02ZG0024	Tides Brook	W	W1, W2, W3	F
NF02ZK0005	Northeast River	W	W1, W2, W3	F
NF02ZL0029	Goulds Brook	W + M	W1, W2, W3, W5	F
NF02ZM0004	Waterford River	W + M	W1, W2, W3, W5	F
NF02ZM0009	Waterford River	W + M	W1, W2, W3, W5	F
NF02ZM0014	Virginia River	W + M	W1, W2, W3, W5	F
NF02ZM0015	Quidi Vidi Outlet	W + M	W1, W2, W3, W5	F
NF02ZM0016	Rennies River	W + M	W1, W2, W3, W5	F
NF02ZM0098	Virginia River	W + M	W1, W2, W3, W5	F
NF02ZM0109	Mundy Pond	W + M	W1, W2, W3, W5	F
NF02ZM0144	Kelly's Brook	W + M	W1, W2, W3, W5	F
NF02ZM0175	Waterford River	W + M	W1, W2, W3, W5	F
NF02ZM0176	South Brook	W + M	W1, W2, W3, W5	F
NF02ZM0177	Rennies River	W + M	W1, W2, W3, W5	F
NF02ZM0178	Learys Brook	W + M	W1, W2, W3, W5	F
NF02ZM0179	Virginia River	W + M	W1, W2, W3, W5	F
NF02ZM0180	Virginia River	W + M	W1, W2, W3, W5	F
NF02ZM0181	Waterford River	W + M	W1, W2, W3, W5	F
NF02ZM0182	Waterford River	W + M	W1, W2, W3, W5	F
NF02ZM0183	Kelligrews River	W + M	W1, W2, W3, W5	F
NF02ZM0184	Learys Brook	W + M	W1, W2, W3, W5	F
NF02ZM0185	South Brook	W + M	W1, W2, W3, W5	F
NF02ZN0002	Northwest Brook	W	W1, W2, W3	F
NF02ZN0004	Salmonier River	W + M	W1, W2, W3, W5	F
NF02ZG0016	Garnish River	W	W1, W2, W3	F
NF02ZH0001	Pipers Hole River	W	W1, W2, W3	F
NF02ZK0001	Rocky River	W	W1, W2, W3	F
Central Region				
NF02YM0004	South West Brook	W	W1, W2, W3	F
NF02YO0143	Exploits River	W + M	W1, W2, W3, W5	F
NF02YO0142	Cordroy Brook	W + M	W1, W2, W3, W5	F
NF02YO0001	Exploits River	W + M	W1, W2, W3, W5	F
NF02YO0020	Exploits River	W + M	W1, W2, W3, W5	F
NF02YO0021	Exploits River	W + M	W1, W2, W3, W5	F
NF02YO0107	Exploits River	W + M	W1, W2, W3, W5	F
NF02YO0128	Exploits River	W + M	W1, W2, W3, W5	F
NF02YQ0006	NorthW. Gander River	W	W1, W2, W3	F
NF02YQ0030	Gander River	W + M	W1, W2, W3, W5	F
NF02YR0001	Pound Cove Brook	W	W1, W2, W3	F
NF02YR0021	Middle Brook	W	W1, W2, W3	F
NF02YS0001	Terra Nova River	W + M	W1, W2, W3, W5	F
NF02YS0005	Southwest Brook	W + M	W1, W2, W3, W5	F
NF02YS0011	Terra Nova River	W + M	W1, W2, W3, W5	F
NF02YS0083	Northwest River	W	W1, W2, W3	F
NF02ZJ0024	Southern Bay River	W	W1, W2, W3	F
NF02ZF0020	Bay du Nord River	W	W1, W2, W3	F

Western Region

NF02YA0001	Ste. Genevieve	W	W1, W2, W3	F
NF02YE0005	Western Brook	W + M	W1, W2, W3, W5	F
NF02YG0001	Main River	W	W1, W2, W3	F
NF02YH0018	Lomond River	W + M	W1, W2, W3, W5	F
NF02YJ0004	Pinchgut Brook	W	W1, W2, W3	F
NF02YL0011	Humber River	W + M	W1, W2, W3, W5	F
NF02YL0012	Humber River	W + M	W1, W2, W3, W5	F
NF02YL0013	Corner Brook	W + M	W1, W2, W3, W5	F
NF02YL0029	Wild Cove Brook	W + M	W1, W2, W3, W5	F
NF02YN0001	Lloyds River	W	W1, W2, W3	F
NF02ZA0006	Grand Codroy River	W	W1, W2, W3	F
NF02ZA0007	Crabbe's River	W	W1, W2, W3	F
NF02ZB0001	Isle Aux Morts River	W	W1, W2, W3	F
NF02ZB0005	Cing Cerf Brook	W	W1, W2, W3	F
NF02ZC0001	Grandy Brook	W	W1, W2, W3	F
NF02ZD0003	Grey River	W	W1, W2, W3	F
NF02YC0001	Torrent River	W	W1, W2, W3	F
NF02YJ0006	Harrys River	W	W1, W2, W3	F

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NF02XA0001	Little Mecatina River	W	W1, W2, W3	F
NF03NF0013	Ugjoktok River	W	W1, W2, W3	F
NF03OC0012	Atikonak River	W	W1, W2, W3	F
NF03OD0011	East Metchin River	W	W1, W2, W3	F
NF03OE0001	Churchill River	W	W1, W2, W3	F
NF03OE0030	Minipi River	W	W1, W2, W3	F
NF03OE0032	Pinus River	W	W1, W2, W3	F
NF03OE0033	Big Pond Brook	W	W1, W2, W3	F
NF03PB0025	Naskaupi River	W	W1, W2, W3	F
NF03QC0001	Eagle River	W	W1, W2, W3	F
NF03QC0002	Alexis River	W	W1, W2, W3	F

LABRADOR ASHKUI

NF02XA0029	Lac Fourmont	W	W1, W2, W3	F
NF03NG0032	Shipiskan Lake West	W	W1, W2, W3	F
NF03NG0033	Shipiskan Lake North	W	W1, W2, W3	F
NF03NG0034	Shipiskan Lake East	W	W1, W2, W3	F
NF03OD0011	East Metchin River	W	W1, W2, W3	F
NF03OD0012	Wilson R. East Branch	W	W1, W2, W3	F
NF03OE0034	Minipi Lake	W	W1, W2, W3	F
NF03OE0035	Dominion Lake	W	W1, W2, W3	F
NF03OE0036	Pinus River	W	W1, W2, W3	F
NF03OE0037	Cache River	W	W1, W2, W3	F
NF03PB0027	Naskaupi River	W	W1, W2, W3	F
NF03PB0028	Cape Caribou River	W	W1, W2, W3	F
NF03PB0029	Northwest River	W	W1, W2, W3	F
NF03PB0030	Seal Lake Narrows	W	W1, W2, W3	F
NF03PB0032	Susan River	W	W1, W2, W3	F
NF03PB0037	Wuchusk Lake	W	W1, W2, W3	F
NF03QA0044	Carter Basin	W	W1, W2, W3	F
NF03QA0045	Kenamu River	W	W1, W2, W3	F

W - Water
M - Microbiology
S - Sediment
B - Biota
F - Federal lab

* Refer to Table C.1 for analytical group codes

Notes:
1. Microbiological (total and fecal coliform) analysis is carried out by the Provincial Public Health Lab.

2. All other analytical work is carried out by federal labs in Burlington and Moncton

3. A total of 500 water samples will be analysed by federal labs in Burlington and Moncton.

4. Water quality parameters (temperature, pH, dissolved oxygen, and conductivity) are analysed by Water Quality Officers in the provincial environment lab, as well as by Burlington and Moncton labs.

Table C.1

Analytical Parameters

Parameter Set	Analysis Type	Parameter Group
1) Water - Physical Parameters, Major Ions and Nutrients		
Temperature	Field	W1
pH	Field & Lab	W1
Specific Conductance	Field & Lab	W1
Dissolved Oxygen	Field	W1
Turbidity	Lab	W1
Colour	Lab	W1
Calcium (Diss.)	Lab	W1
Magnesium (Diss.)	Lab	W1
Potassium (Diss.)	Lab	W1
Sodium (Diss.)	Lab	W1
Alkalinity Total or Gran	Lab	W1
Chloride (Diss.) IC	Lab	W1
Sulphate (Diss.) IC	Lab	W1
Dissolved Organic Carbon	Lab	W1
Total Nitrogen	Lab	W1
Nitrate and Nitrite (Diss.)	Lab	W1
Total Phosphorus	Lab	W1
Silica Reactive	Lab	W1
2) Water - Total Extractable Metals		
Aluminum Barium	ICAP	W2
Iron Beryllium	ICAP	W2
Copper Chromium	ICAP	W2
Zinc Manganese	ICAP	W2
Cadmium Molybdenum	ICAP	W2

Parameter Set		Analysis Type	Parameter Group
Lead	Lithium	ICAP	W2
Cobalt	Strontium	ICAP	W2
Nickel	Vanadium	ICAP	W2
3) Water - Total Dissolved Metals			
Aluminum		Lab	W3
Iron		Lab	W3
Copper		Lab	W3
Zinc		Lab	W3
Cadmium		Lab	W3
Lead		Lab	W3
Cobalt		Lab	W3
Nickel		Lab	W3
4) Water - Selected Organics			
OC/PCB		Lab	W4
5) Water - Bacteria			
Total coliform		Lab	W5
Fecal Coliform		Lab	W5
6) Sediments - Metals and Organics			
Lead		Lab	S1
Copper		Lab	S1
Zinc		Lab	S1
Mercury		Lab	S1
Iron		Lab	S1
Aluminum		Lab	S1
Cadmium		Lab	S1
Chromium		Lab	S1
OC/PCB		Lab	S1
Organic Carbon		Lab	S1
Particle Size Analysis		Lab	S1

Parameter Set	Analysis Type	Parameter Group
7) Fish - Metals, Organics and Physiology		
Lead	Lab	B1
Copper	Lab	B1
Zinc	Lab	B1
Mercury	Lab	B1
Cadmium	Lab	B1
OC/PCB	Lab	B1
Lipid Content	Lab	B1
Physiology	Lab	B1
8) Fish - Organics		
Scan	Lab	B2

Schedule D

Data Management and Technical Reports

Data Management and Technical Reports

Activity	Responsible Agency
1. Quality Assurance in the National Water Quality Laboratory and Moncton Laboratory	
1.1 Quality Control Procedures	Environment Canada
1.2 Guidelines for Good Laboratory Practices	Environment Canada
1.3 Guidelines for Instrument Performance	Environment Canada
2. Management Water Quality Data	
2.1 Data Recording, Documentation and Validation	Environment Canada
2.2 Data Screening and Verification	Environment Canada
2.3 Data Audits, Custody and Transfer	Environment Canada
2.4 Management of National Water Quality Database (ENVIRODAT)	Environment Canada
2.5 Downloading and Processing of Water Quality Data	Newfoundland Environment, Water Resources Management Division
2.6 Management of Provincial Water Quality Database	Newfoundland Environment, Water Resources Management Division
2.7 GIS Application for Data Reporting	Environment Canada, Environmental Science and Integration Division (Sarah Hall; Todd Smith; Vincent Mercier) & Newfoundland Environment, Water Resources Management Division
2.8 Development & Management of Water Quality Index Web-site	Environment Canada, Environmental Science and Integration Division (Sarah Hall; Todd Smith; Vincent Mercier) & Newfoundland Environment, Water Resources Management Division
2.9 Management of Real Time Water Quality Data	Environment Canada, Environmental Science and Integration Division (Sarah Hall; Todd Smith; Vincent Mercier) & Newfoundland Environment, Water Resources Management Division

Activity	Responsible Agency
3. Technical Documents	
3.1 Site Documentation Report Update	Newfoundland Environment, Water Resources Management Division
3.2 Fact Sheets on selected Rivers	Newfoundland Environment, Water Resources Management Division
3.3 Water Quality of St. John's Rivers	Newfoundland Environment, Water Resources Management Division
3.4 Water Quality Index - Refinement and Application	Newfoundland Environment, Water Resources Management Division
3.5 Atlantic Region Water Quality Index Project	Environment Canada & Newfoundland Environment, Water Resources Management Division

Schedule E

Special Studies

A special study for water, biota and sediment survey will be planned for a selected basin in this fiscal year, in consultation with Environment Canada.

Schedule F

Meeting Minutes

Water Quality Agreement Meeting- Moncton, New Brunswick

March 20, 2002

Meeting highlights and followup on action items is as follows:

1. Tom Pollock, Art Cook and Haseen Khan met in Moncton to discuss the future activities under the Water Quality Agreement.

2. Meeting highlights are as follows:

2.1 We will collect about 500 samples under the agreement during 2002-03. All samples will be shipped to Burlington.

2.2 We will try to optimize number of stations in 2002-03 annual work schedule.

2.3 Municipal wastewater discharge monitoring will be on hold for the time being.

2.4 There is need for the evaluation of water quality monitoring network for long term planning. We will initiate work in this area.

2.5 We will plan one special study in each fiscal year for two to three weeks extensive survey. The study will select sensitive areas (urban rivers, industrial discharges, land use pressures, etc.) and sampling will focus on biota and sediments. These samples will be shipped to Moncton Lab. Haseen and Art will work out further details.

2.6 Labrador network is Environment Canada priority. We will try to make at least one trip to this area and complement Environment Canada monitoring activities.

2.7 Art will provide Haseen Burlington contact and Haseen will provide Art with the contact information of Water Quality Agreement staff. Art has already action his item. I will action my item in a separate e-mail.

Tom and Art - Any comments or suggestions.

Thank you.

HK

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Canada-Newfoundland Water Quality Monitoring Agreement

Progress Review Meeting

Date: August 9, 2001 Place: Environment Canada
Moncton NB

Agenda

Chairperson - Tom Pollock

1. Introductory Remarks

   * Environment Canada - Tom Pollock
   * Newfoundland Environment - Haseen Khan

2. Data Download (1999 onward) - Paul Neary

3. HAAs Digital Format - Paul Neary

4. Annual Work Schedule 2001-02 - Haseen Khan and Tom Pollock

5. Meeting Minutes - Haseen Khan and Tom Pollock

6. Municipal Discharge Monitoring - Tom Pollock and Haseen Khan

7. Data Reporting and Invoicing

8. Any other item

Meeting Notes – TLP

Attendance – Haseen Khan, NF&LDoE
Paul Neary, NF&LDoE
Art Cook, EC
Hugh O'Neill, EC
Tom Pollock, EC
Lawrence Wong, EC

1. Haseen updated on NF drinking water issues. He reported that Cabinet has approved drinking water standards and they are now available on the departmental web page. It includes the list of chemicals and necessary processes with NFDoE as the lead agency.

   Tom reported that NLET has a budget shortfall for this fiscal year but that EC will honour their commitments for WatQual Agreement and SO2 wet deposition analyses for 2001-02. The programs will have to be reviewed for the next fiscal year. EC's memorandum to Cabinet has received approval in principle but must wait for funding from Treasury Board.

2. Data download – present method of data transfer from the Oracle tables on the Sparc machine is fine. Recommends a transfer of data before LD Wong retires. It was suggested that any outstanding samples on Sparc be ported to the NT server and subsequently transferred to NF by the 1st week of Oct., 2001. **Action LDW, JAD**

3. Paul Neary handed out the reporting format for sample analysis of drinking water. That procedure is to be followed for all HAA analyses done by EC. It will require some minor programming changes in the ENVIRODAT output procedure. **Action Art Cook**

4. Revisions were made to the work schedule of the Agreement to reflect the work being done in Labrador and to recognise the recent work on MWWE samples. The Lower Churchill agreement has been signed again for 5 years and EC is analysing samples for water quality. EC is also collecting and analysing surface water samples for the ASHKUI project in Labrador.

5. NFDoE and EC-EPB are both collecting data on STP effluents. The provincial network includes MWWE in addition to the federal facilities. We should strive to eliminate duplication. Discussed revised parameter list and agreed to drop "phenol" if agreeable with John Clarke of EPB who is responsible for developing legal instruments for the PSL substances in municipal wastewater effluents. NF requested that EC include MWWE sample analyses under the Agreement. EC agreed to explore the possibility of finding funds within their MWWE resources to cover those costs. **Action TLP**

6. Data reporting and invoicing was discussed. NFDoE seeks 60-day turn around on waste water analyses and requests that a single invoice for the contracted 100 HAA analyses be forwarded as soon as the analyses are complete. Hugh O'Neill to forward a copy of an LOA for the HAA work. **Action HJO, AC**

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Canada-Newfoundland Water Quality Monitoring Agreement

Co-Ordinating Committee Meeting Minutes-July 5, 2001

The annual meeting for the Canada-Newfoundland Water Quality Monitoring Agreement was held on July 5, 2001 in the Boardroom of the Department of Environment. The following members were in attendance:

Tom Pollock	Environmental Conservation Branch, Ecosystem Science, Environmental Quality Section, Moncton, NB
Art Cook	Environmental Conservation Branch, Ecosystem Science, Environmental Quality Section, Moncton, NB
John Merrick	Meteorological Service of Canada, Dartmouth, NS
Bill Brimley	Meteorological Service of Canada, Dartmouth, NS
Calvin Baker	Atmospheric Environment Services, St. John's, NF
Martin Goebel	Water Resources Management Division, Department of Environment, St. John's, NF
Haseen Khan	Water Resources Management Division, Department of Environment, St. John's, NF

The highlights of discussions, decisions, and action items are as follows:

1. Introductory Remarks

Tom and Martin provided an overview of administrative and other related changes in their respective department.

2. Annual Work Schedule 2001-02

- Annual work schedule was discussed. Tom will provide his review comments to Haseen. Haseen will revise the schedule for signature by Agreement Administrators.
- Environment Canada (AES) will continue to sample Labrador water quality network and few selected sites on the Island as per previous arrangement.
- Tom reported that there is going to be some reduction in agreement analysis work to be undertaken at the National Lab in Burlington. However, Newfoundland Environment was assured that there is no imminent danger to the agreement work. If the work cannot be done at Burlington Lab then it will be done at Moncton Lab.

- Agreement Administrators agreed to include municipal wastewater discharge monitoring in the Canada-Newfoundland Water Quality Agreement. The municipal wastewater management is an emerging area of national concern. The information collected under the program will be useful to both levels of government.

- Tom, Art, Lawrence, Haseen and Tom will meet in Moncton on August 9 to discuss data download (1999 onward) and other activities.

3. Water Quality - New Federal Initiatives

- Tom indicated that water quality is once again a priority area in the federal government. There are a number of new initiatives (national water research agenda, wastewater management, watershed management, source protection, water quality monitoring) whose details are yet to unfold.

- Haseen expressed interest to establish real-time water quality data collection stations in St. John's, Grand Falls and Corner Brook.

4. Other Monitoring Programs

- About 200 drinking water samples (for HAAs analysis) were submitted for analysis. An invoice for $20,935 was processed.

5. Invoicing

- The Department of Environment has no outstanding credit with Environment Canada.

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