



Government
of Canada

Gouvernement
du Canada

MEMORANDUM

NOTE DE SERVICE

TO
À

DIAND Water Resources
Yellowknife

FROM
DE

J.M.A. Theriault
District Manager
Baffin

SECURITY - CLASSIFICATION - DE SÉCURITÉ

OUR FILE/NOTRE RÉFÉRENCE

YOUR FILE/VOTRE RÉFÉRENCE

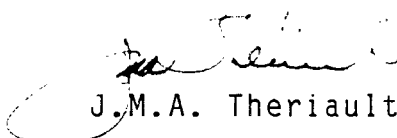
DATE

April 1/85

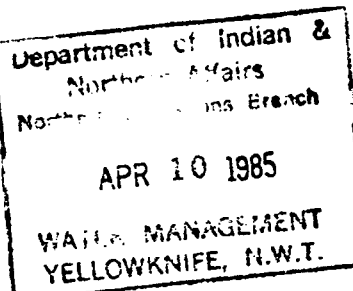
SUBJECT
OBJET

Analysis Results - Health & Welfare

Attached are copies of analysis results of water samples carried out by Health & Welfare Canada in communities within our District area. For your info.


J.M.A. Theriault

cc. B9546-11-CD
B9546-11-CR
B9546-11-GF
N4A4-0427
N4A4-0640
N4A4-0571
N5L4-0572
N5L4-1447
N5L4-1441



Clyde River
Cape Dorset

0427

0640

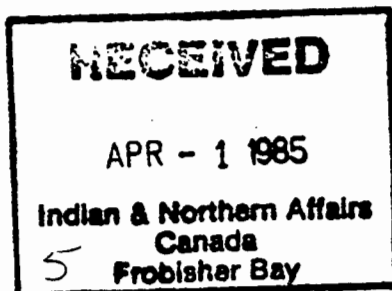
0571

0572

1447



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

0427

February 5, 1985

0427

Secretary Manager
Hamlet of Resolute Bay
Resolute Bay, N.W.T.
XOA OVO

13K
RL
file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Nov. 9, 1984. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

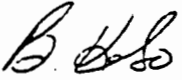
<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Char Lake)	<u>Alternate Supply Level</u>	<u>Acceptable Limit</u>
Conductivity	278		1200 umho/cm
Hardness Total	110		200 mg/l
Calcium	35		200 mg/l
Magnesium	6		150 mg/l
Sodium	12		20 mg/l
Potassium	1.6		1000 mg/l
Alkalinity Total	100		30- 500 mg/l
pH	8.17		6.5 - 8.5
Fluoride	.06		1.5 mg/l
Chloride	13.8		250 mg/l
Sulphate	18		500 mg/l
Turbidity	.39		5 NTU
Color	1.5		15 TCU
Iron	.05		0.3 mg/l
Manganese	.006		0.05 mg/l
Nitrates Total	.3		10 mg/l
Nitrites	.005		1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

✓A. Theriault, District Manager D.I.A.N.D.

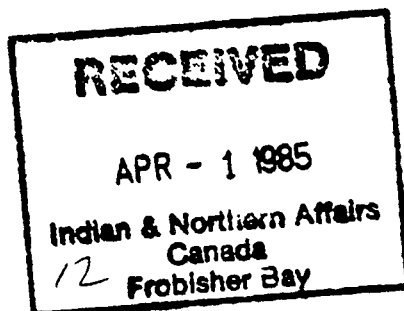
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OH0



Your file Votre référence

0640

Our file Notre référence

February 5, 1985

Secretary Manager
Hamlet of Broughton Island
Broughton Island, N.W.T.
XOA OB0

Broughton I.

PK

RL

file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Nov. 6, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

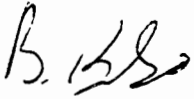
<u>Chemical Parameter</u>	<u>Main Supply Level</u>	<u>Alternate Supply Level</u>	<u>Acceptable Limit</u>
Conductivity	104.2		1200 umho/cm
Hardness Total	7.5		200 mg/l
Calcium	1.5		200 mg/l
Magnesium	0.9		150 mg/l
Sodium	15.5		20 mg/l
Potassium	0.7		1000 mg/l
Alkalinity Total	6.4		30- 500 mg/l
pH	7.58		6.5 - 8.5
Fluoride	0.03		1.5 mg/l
Chloride	22.0		250 mg/l
Sulphate	5.5		500 mg/l
Turbidity	0.71		5 NTU
Color	0.5		15 TCU
Iron	0.08		0.3 mg/l
Manganese	0.005		0.05 mg/l
Nitrates Total	0.05		10 mg/l
Nitrites	0.005		1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

A. Theriault, District Manager D.I.A.N.D.

H. Trenholm, Municipal Affairs, GNWT Local Government

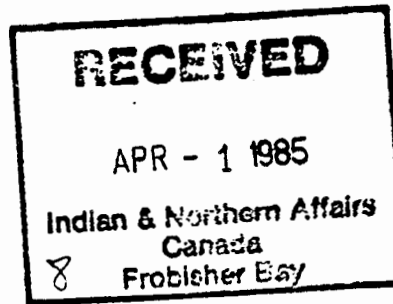
T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



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Frobisher Bay, N.W.T.
XOA OHO

February 5, 1985



Your file Votre référence

Our file Notre référence

1441

Secretary Manager
Hamlet of Lake Harbour
Lake Harbour, N.W.T.
XOA ONO

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Nov. 5, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u>	<u>Alternate Supply Level</u> (Lake #3)	<u>Acceptable Limit</u>
Conductivity		174	1200 umho/cm
Hardness Total		83	200 mg/l
Calcium		26	200 mg/l
Magnesium		4.5	150 mg/l
Sodium		1.5	20 mg/l
Potassium		.6	1000 mg/l
Alkalinity Total		65	30- 500 mg/l
pH		8	6.5 - 8.5
Fluoride		.03	1.5 mg/l
Chloride		1.4	250 mg/l
Sulphate		19	500 mg/l
Turbidity		.42	5 NTU
Color		3	15 TCU
Iron		.09	0.3 mg/l
Manganese		.005	0.05 mg/l
Nitrates Total		.05	10 mg/l
Nitrites		.005	1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

~~A.~~ Theriault, District Manager D.I.A.N.D.

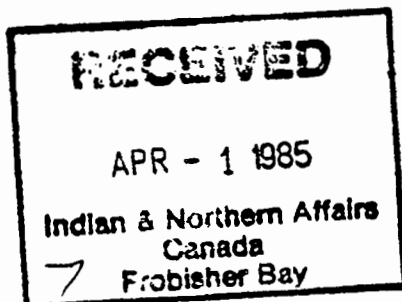
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

1447

February 5, 1985

Secretary Manager
Hamlet of Pangnirtung
Pangnirtung, N.W.T.
XOA ORO

1447

BK

RL

file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 31, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Reservoir)	<u>Alternate Supply Level</u>	<u>Acceptable Limit</u>
Conductivity	10		1200 umho/cm
Hardness Total	.7		200 mg/l
Calcium	.1		200 mg/l
Magnesium	.1		150 mg/l
Sodium	.5		20 mg/l
Potassium	.1		1000 mg/l
Alkalinity Total	4.2		30- 500 mg/l
pH	7.23		6.5 - 8.5
Fluoride	.01		1.5 mg/l
Chloride	.6		250 mg/l
Sulphate	2		500 mg/l
Turbidity	2.4		5 NTU
Color	3		15 TCU
Iron	.1		0.3 mg/l
Manganese	.005		0.05 mg/l
Nitrates Total	.05		10 mg/l
Nitrites	.005		1.0 mg/l

COMMENTS:

All results are within recommended levels.

further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

✓ A. Theriault, District Manager D.I.A.N.D.

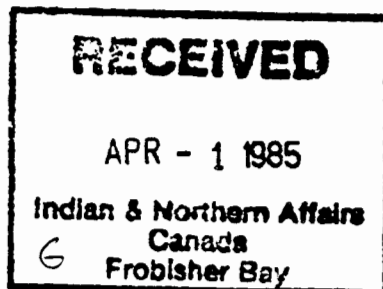
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

0572

February 5, 1985

Secretary Manager
Hamlet of Pond Inlet
Pond Inlet, N.W.T.
XOA OSO

0572

BK

RL

file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 31, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u>	<u>Alternate Supply Level</u>	<u>Acceptable Limit</u>
Conductivity	67		1200 umho/cm
Hardness Total	22		200 mg/l
Calcium	4.5		200 mg/l
Magnesium	2.7		150 mg/l
Sodium	2.3		20 mg/l
Potassium	1.1		1000 mg/l
Alkalinity Total	24		30- 500 mg/l
pH	7.32		6.5 - 8.5
Fluoride	.03		1.5 mg/l
Chloride	3.6		250 mg/l
Sulphate	4.0		500 mg/l
Turbidity	1.3		5 NTU
Color	19.5		15 TCU
Iron	.2		0.3 mg/l
Manganese	.008		0.05 mg/l
Nitrates Total	.05		10 mg/l
Nitrites	.005		1.0 mg/l

COMMENTS:

All results are within recommended levels, except for color. The iron level may be responsible for some of the color level. See attached information on color and iron.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc; Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

A. Theriault, District Manager D.I.A.N.D.

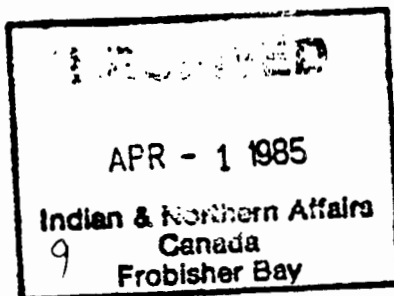
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

0571

February 5, 1985

Secretary Manager
Hamlet of Igloolik
Igloolik, N.W.T.
XOA OHO

0571

BK

RL

file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 31, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Main Source)	<u>Alternate Supply Level</u> (Alternate)	<u>Acceptable Limit</u>
Conductivity	392	387	1200 umho/cm
Hardness Total	132	126	200 mg/l
Calcium	35	33	200 mg/l
Magnesium	11	10.7	150 mg/l
Sodium	27	27	20 mg/l
Potassium	1.5	1.8	1000 mg/l
Alkalinity Total	120	119	30- 500 mg/l
pH	7.4	7.99	6.5 - 8.5
Fluoride	.31	.15	1.5 mg/l
Chloride	43	42	250 mg/l
Sulphate	15	16	500 mg/l
Turbidity	1.6	.42	5 NTU
Color	6.0	7.5	15 TCU
Iron	.17	.09	0.3 mg/l
Manganese	.005	.005	0.05 mg/l
Nitrates Total	.2	.05	10 mg/l
Nitrites	.005	.005	1.0 mg/l

COMMENTS:

All results are within recommended levels, except for the sodium level. Further information has been sent to the nursing station regarding sodium levels. See attached explanation for sodium.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

~~A.~~ Theriault, District Manager D.I.A.N.D.

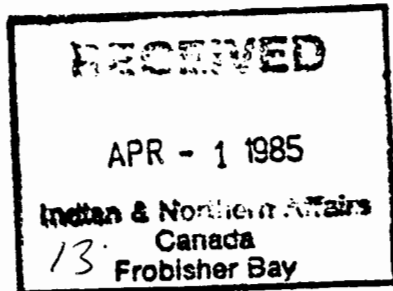
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

CP

February 5, 1985

Secretary Manager
Hamlet of Cape Dorset
Cape Dorset, N.W.T.
XOA OCQ

Cape Dorset

B2

R2

file

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 31, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

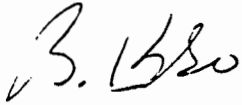
<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Tee Lake)	<u>Alternate Supply Level</u> (Airstrip Lake)	<u>Acceptable Limit</u>
Conductivity	43	68	1200 umho/cm
Hardness Total	7	16	200 mg/l
Calcium	2	5	200 mg/l
Magnesium	0.5	1.1	150 mg/l
Sodium	4	4	20 mg/l
Potassium	.2	.6	1000 mg/l
Alkalinity Total	9	15	30- 500 mg/l
pH	7.4	7.4	6.5 - 8.5
Fluoride	.01	.01	1.5 mg/l
Chloride	5	7	250 mg/l
Sulphate	2.5	6.5	500 mg/l
Turbidity	.4	.6	5 NTU
Color	1.0	6.5	15 TCU
Iron	.02	.08	0.3 mg/l
Manganese	.005	.007	0.05 mg/l
Nitrates Total	.05	.05	10 mg/l
Nitrites			1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

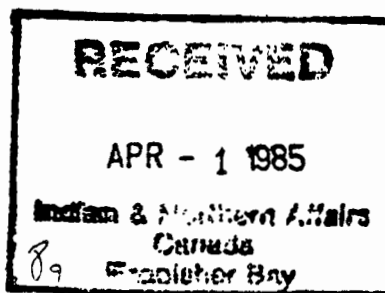
✓ A. Theriault, District Manager D.I.A.N.D.

H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW

Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

February 5, 1985

Secretary Manager
Hamlet of Lake Harbour
Lake Harbour, N.W.T.
XOA ONO

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 29, 30/84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Lake Fundo)	<u>Alternate Supply Level</u> (Lake #1)	<u>Acceptable Limit</u>
Conductivity	125	148	1200 umho/cm
Hardness Total	54	60	200 mg/l
Calcium	16.5	18	200 mg/l
Magnesium	3.1	4	150 mg/l
Sodium	2.8	2.5	20 mg/l
Potassium	.48	.9	1000 mg/l
Alkalinity Total	49.8	43	30- 500 mg/l
pH	7.86	7.56	6.5 - 8.5
Fluoride	.02	.05	1.5 mg/l
Chloride	2.4	2.6	250 mg/l
Sulphate	10	25	500 mg/l
Turbidity	.21	.43	5 NTU
Color	3.0	1	15 TCU
Iron	.01	.02	0.3 mg/l
Manganese	.005	.005	0.05 mg/l
Nitrates Total	.05	.05	10 mg/l
Nitrites	.005	.005	1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

A. Theriault, District Manager D.I.A.N.D.

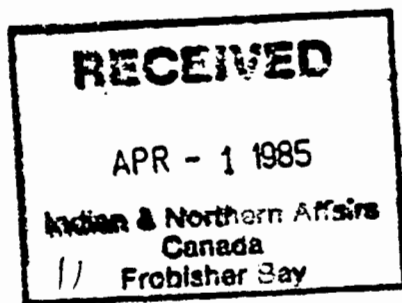
H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO



Your file Votre référence

Our file Notre référence

February 5, 1985

Secretary Manager
Hamlet of Clyde River
Clyde River, N.W.T.
XOA OEO

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 24, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

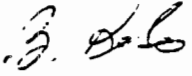
<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Water Lake)	<u>Alternate Supply Level</u> (Alternate)	<u>Acceptable Limit</u>
Conductivity	29	28	1200 umho/cm
Hardness Total	3	3.3	200 mg/l
Calcium	.2	.3	200 mg/l
Magnesium	.6	.65	150 mg/l
Sodium	2.7	2.3	20 mg/l
Potassium	.7	1.18	1000 mg/l
Alkalinity Total	8.2	7.0	30- 500 mg/l
pH	6.9	6.9	6.5 - 8.5
Fluoride	.03	.03	1.5 mg/l
Chloride	3.8	3.2	250 mg/l
Sulphate	2.0	1.0	500 mg/l
Turbidity	5	4.8	5 NTU
Color	10	10	15 TCU
Iron	.23	.23	0.3 mg/l
Manganese	.006	.006	0.05 mg/l
Nitrates Total	.05	.05	10 mg/l
Nitrites	.005	.005	1.0 mg/l

COMMENTS:

All results are within recommended levels.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

✓ W. Theriault, District Manager D.I.A.N.D.

H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW



Medical Services
Bag 300
Frobisher Bay, N.W.T.
XOA OHO

February 5, 1985

Secretary Manager
Settlement Council of Grise Fiord
Grise Fiord, N.W.T.
XOA OJO

RECEIVED

APR - 1 1985

Indian & Northern Affairs
Canada
10 Frobisher Bay

Your file Votre référence

Our file Notre référence

G/F

Dear Council:

Listed below are the chemical analysis results of water samples collected from your community on Oct. 8, '84. In some instances results have also been obtained from possible alternate water supply sources. The recommended limits for each parameter is also given. An explanation of the parameters tested for is also attached.

<u>Chemical Parameter</u>	<u>Main Supply Level</u> (Water Tank)	<u>Alternate Supply Level</u>	<u>Acceptable Limit</u>
Conductivity	40		1200 umho/cm
Hardness Total	12		200 mg/l
Calcium	3.3		200 mg/l
Magnesium	1		150 mg/l
Sodium	1.5		20 mg/l
Potassium	.1		1000 mg/l
Alkalinity Total	15		30- 500 mg/l
pH	7.5		6.5 - 8.5
Fluoride	.01		1.5 mg/l
Chloride	2		250 mg/l
Sulphate	2		500 mg/l
Turbidity	1		5 NTU
Color	12		15 TCU
Iron	.4		0.3 mg/l
Manganese	.01		0.05 mg/l
Nitrates Total	.05		10 mg/l
Nitrites			1.0 mg/l

COMMENTS:

All results are within recommended levels, except for the iron level. See attached information re: iron.

If further information or clarification is required, please contact me at the above address or phone 979-6271.

Yours truly



Brad Kelso
Health Officer

cc: Nurse-In-Charge

Zone Director

Regional Environmental Health Officer

CHR

A. Theriault, District Manager D.I.A.N.D.

H. Trenholm, Municipal Affairs, GNWT Local Government

T. Smyth, Municipal Engineer, GNWT Local Government

D. Turpin, Regional Engineer, GNWT DPW