



Government
of Canada

Gouvernement
du Canada

MEMORANDUM

NOTE DE SERVICE

TO
A

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

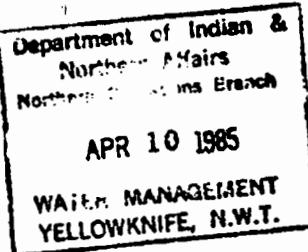
SUBJECT
OBJET

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



DATA
1441
1441
0427

0640

0571

0572

1447



Medical Services

Bag 300

Frobisher Bay, N.W.T.

XOA OHO

February 5, 1985

Secretary Manager

Hamlet of Cape Dorset

Cape Dorset, N.W.T.

XOA OCO

RECEIVED

APR - 1 1985

Indian & Northern Affairs

Canada

13 Frobisher Bay

Your file Votre référence

Our file Notre référence

CP

Cape Dorset

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> (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 |

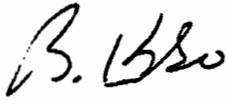
COMMENTS:

All results are within recommended levels.

Canada

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