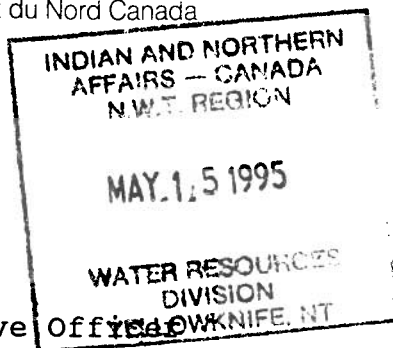




Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

P.O. Box 100
Iqaluit, N.W.T.
X0A 0H0



Handwritten signature

May 14, 1995

Your file / Votre référence

Our file / Notre référence

Mr. Sheldon Dory
Senior Administrative
Hamlet of Repulse Bay
General Delivery
Repulse Bay, N.T. X0C 0H0

Repulse Bay

Dear Mr. Dory:

RE: WATER ANALYSIS RESULTS - AUGUST 11, 1994 INSPECTION

1. Attached for your information, are the analysis results of the raw water samples collected during my August 11, 1994 inspection.
2. The results indicate that raw water meets the Canadian Health and Welfare Drinking Water Guidelines for the parameters tested.
3. Please also find attached a bilingual (Inuktitut/English) information package that will explain the various parameters that were tested.
4. Also enclosed for your information is a copy of the Canadian Health and Welfare Drinking Water Guidelines.
5. If you have any questions please do not hesitate to contact this Nunavut District office located in Iqaluit or contact the undersigned at (403) 920-8258.

Sincerely,

Dan Elliott

Dan Elliott
Water Resources Officer
Nunavut District

- c.c. - Water Resources, YK (B. Collins)
- Public Health, KRHB (R. Kielly)
- MACA, Rankin Inlet (D. Forsyth)

Canada

IN AN & NORTHERN AFFAIRS
WATER RESOURCES LABORATORY
Box 1500
Yellowknife, NT. X1A 2R3
Tel. (403) 920-8129
Fax. (403) 873-9300

To: Water Resources
Yellowknife District Office
Box 2550
Yellowknife NT X1A 2P8
==> D. Elliott

SAMPLE INFORMATION

Our Lab # : 941569
Your Sample ID: Repulse Bay -raw water
Sample Matrix : surf. grab

Account No.: Yellowkn

Collection:
Location: Hamlet of Repulse Bay
Date: 08/11/94
By: DE

Report Date: 10/25/94

Approved by: J. G.

- SAMPLE ANALYSIS REPORT -

Lab#	Parameter	Result Units	Detect Limit	Method Code
941569	Calcium	16.60 mg/L	0.040	20103
	T.Cadmium ICP-MS	0.1 ug/L	0.100	100133
	Chloride	1.52 mg/L	0.080	17206
	Conductivity	103.2 uS/cm	0.100	02041
	T.Cobalt ICP-MS	L0.1 ug/L	0.100	100115
	T.Chromium ICP-MS	L0.2 ug/L	0.200	100111
	T.Copper ICP-MS	0.3 ug/L	0.100	100119
	Tot.Hardness	52.2 mg/L	0.100	10602
	Potassium	0.67 mg/L	0.050	19106
	Magnesium	2.60 mg/L	0.010	12102
	T.Manganese ICP-MS	1.0 ug/L	0.100	100113
	Sodium	1.17 mg/L	0.040	11102
	Non-Filt Res.	L3 mg/L	3.000	10406
	Ammonia-N	0.011 mg/L	0.002	07562
	T.Nickel ICP-MS	0.2 ug/L	0.100	100117
	T.Lead ICP-MS	0.2 ug/L	0.200	100145
	pH	7.92 pH	0.050	10301
	Sulphate	L3 mg/L	3.000	16306
	T.Arsenic-Hyd.	L0.3 ug/L	0.300	33011
	T. Iron	22 ug/L	20.000	26004
	T.Zinc ICP-MS	L5 ug/L	5.000	100121

RESULTS OF LABORATORY ANALYSIS

LICENSEE REPULSE BAY DATE 14-7-77 SAMPLED BY WATER RESOURCESLICENCE NO. 4571-1-46 LOCATION _____

STATION NUMBER		1					
LABORATORY NUMBER		70336					
pH	(units)	7.4					
Sp. Conductance	(umho/cm)	130					
Dissolved Oxygen							
Turbidity	(JTU)	4.0					
Colour		10					
Suspended Solids							
TDS, Residue							
Oil & Grease							
Total Coliform	(cnt/100 ml)						
Faecal Coliform	(" ")						
Faecal Strep.	(" ")						
BOD ₅							
COD							
Carbon, IC							
Carbon, TOC							
Calcium		24.2					
Magnesium							
Total Hardness	CaCO ₃	77.6					
Total Alkalinity	CaCO ₃	68.3					
Sodium		2.5					
Potassium		1.2					
Total Cyanide							
Chloride		4.1					
Sulphate		2.2					
Sulphide							
Ammonia Nitrogen	N	2.1					
Nitrate/Nitrite	N	0.0					
Total Kjeldahl N	N						
Phosphorus O-P	P						
Phosphorus Total	P	0.007					
Silica Reactive	SiO ₂	0.30					
Arsenic	T						
	E						
Cadmium	T						
	E	2.1					
Copper	T						
	E	2.01					
Iron	T						
	E	2.01					
Lead	T						
	E	2.05					
Mercury	T						
	E						
Nickel	T						
	E	2.05					
Zinc	T						
	E	2.01					
COBALT	E	2.02					

All results are expressed in mg/l except as indicated in brackets ().
 O-P = ortho phosphate; TDS = total dissolved solids and is the filterable residue, dried at 105°C; T = Total; E = Extractable; IC = inorganic carbon; TOC = total organic carbon.

1. Water Lake 2 1/2 mile N. of settlement @ truck loading