

FINAL REPORT

**NUXALK (BELLA COOLA)
FIRST NATION**

**Assessment Studies of Water and
Wastewater Systems and
Associated Water Management
Practices at Selected
First Nation Communities**

Page(s) 005672 to\à 005683

Is(are) under consultation



ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

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CHEMICAL ANALYSIS REPORT

Date: June 8, 1994

Et. File No. 0724

Report On: Water Analysis

Report to: **SEACOR Environmental Eng. Inc.**
1012 Victoria Street


Kamloops, BC
V2C 2C4


Attention: **Mr. Paul Blackett**

Received: May 30, 1994

ECO-TECH LABORATORIES LTD.

per:


David Huang
Chief Chemist


Frank J. Pezzotti
Lab Manager

(Seacor Environmental Eng. Inc.

SAMPLE IDENTIFICATION - Water

Et. No. 0724

94 06 08

Sample Labelled:

#1. Pump #1 (Well #2)

#3. Thoerson Cr.

#4. Tasquan Cr.

RESULTS OF ANALYSIS - Water

Et. No. 0724

94 06 08

PARAMETER:	#1	#3	#4
pH (Units)	5.90	6.10	5.60
Conductivity (umhos/cm)	34.3	16.2	12.0
Color (Co/Pt unit)	<1	<1	<1
Turbidity (NTU)	0.6	0.7	0.5
Total Solids	33	5	<1
Alkalinity, phenol (as CaCO3)	<.5	<.5	<.5
Alkalinity, total (as CaCO3)	13.3	4.1	4.1
Total Hardness (as CaCO3)	11.4	5.97	4.00
Chloride (as Cl)	1.0	0.5	1.8
Fluoride (as F)	<.1	<.1	<.1
Nitrate (as N)	0.257	0.110	0.172
Nitrite (as N)	<.003	<.003	<.003
Total Phosphate (as P)	<.003	<.003	<.003
Sulfate (as SO4)	5	4	5
Total Coliform (CFU/100ml)	<1	12*	8*
Fecal Coliform (CFU/100ml)	-	<1	<1

Results expressed as mg/l unless otherwise stated

< = Less than

* = Many non-coliform colonies

RESULTS OF ANALYSIS - Water

Et. No. 0724

94 06 08

PARAMETER:	#1	#3	#4
Aluminum	0.05	0.06	0.1
Antimony	<.01	<.01	<.01
Arsenic	<.01	<.01	<.01
Barium	<.01	<.01	<.01
Beryllium	<.01	<.01	<.01
Bismuth	<.01	<.01	<.01
Boron	<.01	<.01	<.01
Cadmium	<.005	<.005	<.005
Calcium	4.55	2.39	1.6
Chromium	<.01	<.01	<.01
Cobalt	<.01	<.01	<.01
Copper	<.001	<.001	<.001
Iron	<.005	<.005	<.005
Lead	<.005	<.005	0.012
Magnesium	<.01	<.01	<.01
Manganese	<.005	<.005	0.005
Molybdenum	<.005	<.005	<.005
Nickel	<.01	<.01	<.01
Potassium	1.04	0.31	0.84
Selenium	<.01	<.01	<.01
Silicon	3.69	1.35	1.05
Silver	<.005	<.005	<.005
Sodium	0.98	0.39	0.27
Tin	<.01	<.01	<.01
Titanium	0.027	0.027	0.042
Uranium	<.05	<.05	<.05
Vanadium	<.01	<.01	<.01
Yttrium	<.01	<.01	<.01
Zinc	<.005	<.005	<.005

Results expressed as mg/l unless otherwise stated
 < = Less than

End of Report

Nuxalk Nation Population

To R.D. Lewis & Associates
781 Notre Dame Drive
Kamloops B.C.

Attn. R.D. Lewis

Population by Community I.R.#1

Year	4-mile	Main Village	Total
1988	247	620	867
1989	280	610	890
1990	320	580	900
1991	380	565	945
1992	430	567	997
1993	575	590	1165

93 houses

119

153

272

4.3 cap/dw

90% = 108

Yours Truly