

**ASSESSMENT STUDY OF WATER AND WASTEWATER SYSTEMS
AND ASSOCIATED WATER MANAGEMENT PRACTICES
AT KITASOO FIRST NATION KITASOO IR NO. 1**

For

**Indian and Northern Affairs Canada
British Columbia Region**

By

**UMA Engineering Ltd.
3030 Gilmore Diversion
Burnaby, British Columbia
V5G 3B4**

February 2002

Assessment Study of Water and Wastewater Systems
Kitasoo First Nation Kitasoo IR No. 1

Appendix D

WATER TESTING RESULTS

(CHEMICAL/PHYSICAL/BACTERIOLOGICAL)
WITH COMPARISONS TO THE
GUIDELINES FOR CANADIAN DRINKING WATER QUALITY (GCDWQ)

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Is(are) under consultation

ENVIRONMENTAL
BACTERIOLOGY

Phone Number :

Printed : 2000 MAR 1

Requisition : 99WW038764

HEALTH CANADA (VANCOUVER - FIRST N* - 1906 Submitter Ref:
757 HASTINGS ST SUITE 540
VANCOUVER BC V6C 3E6

Specimen Submitter

: 1906-HEALTH CANADA (VANCOUVER *

s.19(1)

Site Information

Code/Name : 02I9755 - 02I9755

Site Desc : KLEMTU HEALTH CENTER, [REDACTED] RESIDENCE, KITCHEN SINK, TAP WATER

City/Area : Type : COM.W.S.

Source : Lake

Specimen

Treatment : TREATED

Ph Level : Free Chlorine Level : ppm

Nature : WATER

Exams Req : Total Coliform

EHO : : Fecal Coliform

Collected : 2000 FEB 28

Received : 2000 FEB 29

RESULTS

Reported on 2000 MAR 1

<u>Test</u>	<u>Result</u>	<u>Units</u>
1. Total Coliform (Membrane Filtration)	L1	TC Count/100ml
2. Fecal Coliform (Membrane Filtration)	L1	FC Count/100ml
L: LESS THAN		

For inquiries from medical personnel regarding laboratory results,
please contact the Central Inquiry Line at 604-660-5100.

Specimen was 24 hours in transit

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Is(are) under consultation

WATER QUALITY OF KITASOO LAKE INTAKE

PARAMETER	UNIT	22/05/1987	28/07/1987	17/04/1988	18/04/1988
pH		7.05	6.00x	5.83x	5.90x
Conductivity	Micromhos/cm	19.8	13.7	12.7	13.7
True Color	Pt-Co Scale CU	10.0	5.0	10	10
Turbidity	NTU	1.5	1.1	0.57	1.2
Hardness	mg/L	3.0	1.55	1.9	2.0
Total Suspended Solids	mg/L	1.5	L 1.0		
Total Dissolved Solids	mg/L	16.0	11.0	7.0	10.0
Bicarbonate Alkalinity	mg/L as HCO ₃	10.5	7.69	0.61	2.85
Chlorides	mg/L as Cl	1.5	L 0.5	2.5	2.2
Sulfates	mg/L as SO ₄	L 1.0	L 1.0	0.6	4.0
Nitrates and Nitrites	mg/L as N	0.048	L 0.010	L 0.05	L 0.05
Fluorides	mg/L as F	L 0.030	L 0.030	L 0.05	L 0.05
Calcium	mg/L as Ca	1.40	0.35	0.39	0.41
Magnesium	mg/L as Mg	0.19	0.16	0.21	0.22
Sodium	mg/L as Na	1.39	1.61	1.29	1.67
Potassium	mg/L as K	0.15	0.25	0.15	0.18
Iron (dissolved)	mg/L as Fe	L 0.030	L 0.030	L 0.03	L 0.03
Manganese (dissolved)	mg/L as Mn	L 0.003	L 0.003	L 0.003	0.004
Silica	mg/L as SiO ₂	1.26	1.07	1.12	1.19
Magnesium	mg/L as Mg	0.21	0.18	0.22	0.23
Iron (total)	mg/L as Fe	0.066	L 0.030	0.042	0.41x
Manganese (total)	mg/L as Mn	0.003	L 0.003	L 0.003	0.006

mg/L = milligrams per liter; L = Less than = not detected

NOTE: All samples collected by NovaTec Consultants Inc.

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Appendix E

WASTEWATER TESTING RESULTS

(CHEMICAL/PHYSICAL/BACTERIOLOGICAL)

WITH COMPARISONS TO THE

*GUIDELINES FOR EFFLUENT QUALITY AND WASTEWATER TREATMENT AT FEDERAL
ESTABLISHMENTS*