

**ASSESSMENT STUDY OF
WATER AND WASTEWATER SYSTEMS
AND ASSOCIATED
WATER MANAGEMENT PRACTICES
AT CAYOOSE CREEK FIRST NATION**

**A
REPORT
TO
INDIAN AND NORTHERN AFFAIRS CANADA
BC REGION**

** NovaTec Consultants Inc.
*Environmental Engineers and Scientists***

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Appendix C

Water Testing Results

Page(s) 004414 to\à 004421

Is(are) under consultation

CANTEST

*SPRING AT
 INFILTRATION
 GALLERY (PASHILQUA NO.2)*

RESULTS OF TESTING:

SAMPLE # 6984-3
 CLIENT I.D. CAYOOSH CREEK BAND
 IR #2 SPRING E
 NEAR GORDON REDAN
 FEB. 3/88

MAXIMUM
 ACCEPT.
 CONC.***

PHYSICAL TESTS

pH (pH units)	8.17	6.5-8.5
Conductivity (us/cm)	458.	-
True Color (CU)	< 5.	15.
Turbidity (NTU)	0.57	5.
Hardness as CaCO3	242.	-

DISSOLVED ANIONS (mg/L)

Bicarbonate	HCO3	270.	FROM:	-
Carbonate	CO3	Nil	"ASSESSMENT OF	-
Hydroxide	OH	Nil	GROUNDWATER	-
Chloride	Cl	2.67	SUPPLY ALTERNATIVES	250.
Sulfates	SO4	40.3	ON PASHILQUA INDIAN	500.
Nitrates/Nitrites	N	0.23	RESERVE NO.2"	10.**
Fluoride	F	0.13	FOR	1.5
			CAYOOSE INDIAN BAND	

DISSOLVED METALS (mg/L)

Calcium	Ca	77.9	PACIFIC HYDROLOGY	-
Magnesium	Mg	11.2	CONSULTANTS LTD.	-
Sodium	Na	6.00	Jan. 19, 1990, REPORT TO	-
Potassium	K	2.54	WATSON ENGINEER-	0.30
Iron	Fe	< 0.030	ING LTD.	-
Manganese	Mn	< 0.003	INAC REPORT	0.30
Silica	SiO2	12.5	#4638	0.05

TOTAL METALS (mg/L)

Iron	Fe	0.040	0.30
Manganese	Mn	< 0.003	0.05
Arsenic	As	< 0.001	0.05
Barium	Ba	0.027	1.0
Cadmium	Cd	< 0.001	0.005
Chromium	Cr	0.002	0.05
Copper	Cu	0.002	1.0
Lead	Pb	< 0.001	0.05
Zinc	Zn	0.035	5.0

** = total nitrate and nitrite nitrogen
 *** = maximum acceptable concentration as set by "B.C. Drinking Water Quality Standards, 1982" and "Guidelines for Canadian Drinking Water Quality, 1978"
 < = less than
 mg/L = milligrams per litre
 x = Exceeded the "guidelines"