

R E P O R T

FORT NELSON FIRST NATIONS BAND

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

RESULTS OF ANALYSIS - W3

Fort
Nelson
Band Off
98 02 26

Physical Tests

Colour	(CU)	
Conductivity	(umhos/cm)	<5
Total Dissolved Solids		628
Hardness	CaCO3	380
pH		338
		7.48
Turbidity	(NTU)	0.2

Dissolved Anions

Alkalinity-Total		CaCO3	
Chloride	Cl		207
Fluoride	F		2.1
Sulphate	SO4		0.12
			136

Nutrients

Nitrate Nitrogen		N	0.162
Nitrite Nitrogen		N	<0.001

Total Metals

Aluminum	T-Al	
Arsenic	T-As	<0.2
Barium	T-Ba	<0.0001
Boron	T-B	0.07
Cadmium	T-Cd	<0.1
		<0.0002
Calcium	T-Ca	
Chromium	T-Cr	93.7
Copper	T-Cu	<0.01
Iron	T-Fe	0.53
Lead	T-Pb	<0.03
		0.002
Magnesium	T-Mg	
Manganese	T-Mn	25.3
Mercury	T-Hg	0.019
Potassium	T-K	<0.00005
Selenium	T-Se	<2
		0.0018
Sodium	T-Na	
Zinc	T-Zn	5
		0.013

Remarks regarding the analyses appear a
Results are expressed as milligrams per l
Conductivity (umhos/cm), and Turbidity
< = Less than the detection limit indicated

port.
(CU).

	ftnelson	location	date	gen.bact	t.colif	fecal.c	
	1	Band Office	KT, CS	01/24/00	0	0	0
	2	Band Hall	KT, CS	01/24/00	0	0	0
	3	Day Care	KT, CS	01/24/00	0	0	0
	4	Chalo School	KT, CS	01/24/00	0	0	0
	5	Band Office	CS	02/24/00	0	0	0
	6	Chalo School	CS	02/24/00	0	0	0
	7	Maintenance Shop	CS	02/24/00	0	0	0
	8	Band Hall	KT, CS	03/28/00	0	0	0
	9	Day Care	KT, CS	03/28/00	0	0	0
	10	Chalo School	KT, CS	03/28/00	0	0	0
	11		CS	03/28/00	0	0	0
s.19(1)	12		CS	05/08/00	0	0	0
	13		KT, CS	05/08/00	0	0	0
	14		KT, CS	05/08/00	0	0	0
	15		KT, CS	05/08/00	724	28	0
	16	Tsinha Lake	Untreated	05/15/00	616	158	0
	17		KT, CS	05/23/00	0	0	0
s.19(1)	18		KT, CS	05/23/00	0	0	0
	19		KT, CS	05/23/00	0	0	0
	20	Chalo School	KT, CS	06/05/00	0	0	0
	21	Band Office	KT, CS	06/05/00	0	0	0
	22		KT, CS	06/05/00	0	0	0
s.19(1)	23	Chalo School	KT, CS	06/28/00	0	0	0
	24	Band Hall	KT, CS	06/28/00	0	0	0
	25		KT, CS	06/28/00	0	0	0
	26	Band Office	CS	08/23/00	0	0	0
	27	Maintenance Shop	CS	08/23/00	0	0	0
	28	Day Care	KT, CS	08/23/00	0	0	0

	ftnelson	location	date	gen.bact	t.colif	fecal.c
29	Chalo School	KT, CS	08/30/00	644	0	0
30	Band Office	KT, CS	08/30/00	3000	0	0
31	Band Hall	KT, CS	08/30/00	0	0	0
32	Day Care	KT, CS	08/30/00	0	0	0
33	Band Office	KT, CS	09/27/00	0	0	0
34	Band Hall	KT, CS	09/27/00	0	0	0
35	Chalo School	KT, CS	09/27/00	0	0	0
36	Daycare	KT, CS	09/27/00	0	0	0
37	Band Office	KT, CS	11/08/00	0	0	0
38	Chalo School	KT, CS	11/08/00	0	0	0
39	Daycare	KT, CS	11/08/00	0	0	0
40		KT, CS	11/08/00	0	2	0

s.19(1)

	ftnelson	location	date	gen.bact	t.colif	fecal.c
1	Chalo School	KT	01/16/01	0	6	0
2	HSE 105	KT	01/16/01	0	0	0
3	HSE 501	KT	01/16/01	0	0	0
4	Chalo School	KT	02/21/01	0	0	0
5	HSE 105	KT	02/21/01	0	0	0
6	HSE 501	KT	02/21/01	0	0	0
7	Chalo School KT	Treated River	02/21/01	0	0	0
8	HSE #501 KT	Treated River	02/21/01	0	0	0
9	HSE #105 KT	Treated River	02/21/01	0	0	0
10	Chalo School	Hallway DW	04/02/01	0	0	0
11	Dickieville	HSE 501, KT	04/02/01	0	0	0
12	Kotchca Sub	HSE 105, KT	04/02/01	0	0	0
13	Chalo School KT	RiverWaterTreat	05/09/01	0	0	0
14	HSE#105 KT	Kotcha SD	05/09/01	0	0	0
s.19(15)		KT Treated	05/09/01	8	0	0
16	Chalo School	Fountain,Treat	06/06/01	0	0	0
17	Band Office Tap	Staffroom	06/06/01	0	0	0
18	MaintenanceShop		06/06/01	0	0	0
19	Water Shed	Chalo Road	07/03/01	3000	0	0
20		Katched SD	07/03/01	0	0	0
21			07/03/01	598	0	0
s.19(1)			07/03/01	0	0	0
23	Pumphouse Tap	Chalo Rd, Comm.	08/09/01	0	0	0
24		Dene Rd Sample2	08/09/01	4	0	0
s.19(1)	Capital Workshop	Sample #1	08/09/01	0	0	0
26	Capital Workshop	Sample #2	08/09/01	0	0	0
27		Dene Rd Sample2	08/09/01	3	0	0
28	Pumphouse Tap	Sample #2	08/09/01	0	0	0

	ftnelson	location	date	gen.bact	t.colif	fecal.c
29	Water Shed	Chalo Road	08/01/01	0	0	0
30		Dene Entene Rd	08/01/01	0	0	0
31		Muskwa Rd	08/01/01	0	0	0
32		Concoran Place	08/01/01	0	0	0

s.19(1)