



**Indian and Northern Affairs  
Canada – BC Region**

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

**Ulkatcho Indian Band**

Prepared by:

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December 20, 2001  
1-24-08238

Community :: ULKATCHO - ANAHIM

Sampling Year :: 1999

s.19(1)

DATE	LOCATION	GB	TC	FC
01/13/99	Learning Center	40	0	0
01/13/99	Chunta	0	0	0
01/13/99	Band Office	40	0	0
01/13/99		3000	4	0
01/13/99	2 Mile School	14258	0	0
01/13/99		8469	0	0
01/13/99		10130	0	0
01/13/99		9112	2	0
01/13/99		3000	0	0
01/13/99		0	0	0
01/13/99		2144	0	0
01/27/99	Band Office	0	0	0
01/27/99	Learning Center	0	0	0
01/27/99		8	0	0
01/27/99	Chunta	0	0	0
01/27/99		0	0	0
01/27/99	2 Mile School	52	0	0
01/27/99		32	0	0
01/27/99		0	0	0
01/27/99		134	0	0
01/27/99		0	0	0
01/27/99		16	0	0
01/27/99		0	0	0

14A 31

PH

CS

FT

14A Scke

P

P

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01/27/99		0	2	0	FH
01/27/99		0	0	0	FH
02/10/99	Band Office	0	4	0	
02/10/99	Chunta	0	0	0	
02/10/99	Learning Center	8	0	0	
02/10/99		3000	2	0	
02/10/99	2 Mile Teacherage	24	0	0	14A
02/10/99	2 Mile School	0	0	0	14A
02/10/99		14	0	0	14A
02/10/99		0	0	0	
02/10/99		4	0	0	FH
02/10/99		1876	0	0	FH
02/10/99		2	0	0	FT
02/10/99		0	0	0	FT
02/10/99		6	0	0	CS
02/24/99	Band Office	2	0	0	
02/24/99	Learning Center	0	0	0	
02/24/99		24	0	0	
02/24/99	Chunta	12	0	0	
02/24/99		17	0	0	
02/24/99		0	0	0	
02/24/99	School	0	0	0	
02/24/99		0	0	0	P
02/24/99		6	0	0	FH
03/09/99	2 Mile School	563	2385	0	14A 5sk
03/09/99	Band Office	4	0	0	
03/17/99	Main Village Pumphouse	2	0	0	
03/17/99	Post Filter #3	22	0	0	

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03/17/99	Post Filter # 2	4	0	0	
03/17/99	Post Filter # 1	2	0	0	
03/17/99	Sediment Basin # 1	162	20	0	
03/17/99	Sediment Basin # 2	86	10	0	
03/17/99	IR # 2 Intake	6	0	0	
03/17/99	Raw Water before SSF	288	30	0	
03/17/99	2 Mile Well	3991	0	0	14A
03/17/99	Clinic	2	0	0	
03/17/99	Band Office	0	0	0	
03/17/99	2 Mile Well	2	0	0	14A
03/17/99	[REDACTED]	54	2	0	14A
04/21/99	2 Mile School	0	0	0	14A
04/21/99	Band Office	74	0	0	
04/21/99	2 Mile School	0	0	0	14A
04/21/99	[REDACTED]	88	8	2	
04/21/99	[REDACTED]	96	0	0	
04/21/99	Learning Center	2	0	0	
04/21/99	[REDACTED]	0	0	0	
04/21/99	2 Mile Well # 9	0	0	0	14A
04/21/99	[REDACTED]	0	0	0	FH
04/21/99	[REDACTED]	10	0	0	FH
04/21/99	[REDACTED]	8	0	0	FH
04/21/99	[REDACTED]	0	0	0	P
04/21/99	[REDACTED]	0	0	0	FT
04/21/99	[REDACTED]	0	0	0	14A
07/28/99	2 Mile Pumphouse Untreated	0	0	0	14A
07/28/99	2 Mile Pumphouse Treated	16	0	0	14A
07/28/99	Band Office - Main	0	0	0	

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07/28/99		94	0	0	14A
07/28/99		0	0	0	
07/28/99		0	0	0	
07/28/99		12	0	0	
07/28/99	2 Mile School Fire Hydrant	10	0		14A
07/28/99	Duplex - Main	6	0	0	
10/20/99	Nuxalk College - Main	0	0	0	
10/20/99		0	0	0	FH
10/20/99		798	16	0	
10/20/99 1		0	0	0	FH
10/20/99	Clinic	0	0	0	
12/01/99	2 Mile Well	0	0	0	14A
12/01/99	2 Mile SWschool	0	0	0	14A S
12/01/99		80	0	0	14A
12/01/99		0	0	0	14A
12/01/99		2	0	0	14A
12/01/99	2 Mile Gasbar	0	0	0	
12/01/99		830	0	0	14A
12/01/99	Band Office - Main	0	0	0	
12/01/99		0	0	0	
12/01/99		0	0	0	FH
12/01/99		2	4	0	
12/01/99		122	10	0	FH
12/01/99		0	0	0	FH

Community :: ULKATCHO - ANAHIM

Sampling Year :: 2000

s.19(1)

DATE	LOCATION	GB	TC	FC	
01/05/00	Band Office - Main	2	0	0	
01/05/00	2 Mile School	322	0	0	14A Sch
01/05/00		26	0	0	14A
01/05/00		0	0	0	
01/05/00		8	0	0	14A
01/05/00		322	12	0	FH
01/05/00		222	0	0	FH
01/05/00		0	0	0	FH
01/05/00		8	0	0	FH
01/26/00	Band Office - Main	22	2	0	
01/26/00	2 Mile School	10	0	0	14A Sch
01/26/00	2 Mile Gasbar	0	0	0	14A
01/26/00		0	0	0	14A
01/26/00		2385	58	0	
01/26/00		2	0	0	FH
01/26/00		10	0	0	FH
01/26/00		8	8	0	FL
02/16/00	2 Mile Well	0	0	0	14A
02/16/00		0	0	0	FH
02/16/00		2	0	0	14A
02/16/00		0	0	0	FH
02/16/00		10	0	0	
02/16/00		0	0	0	FH
02/16/00		76	0	0	14A

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02/16/00		2	0	0	14A
03/15/00	Band Office - Main	0	0	0	
03/15/00	2 Mile School	32	0	0	14A Sch
03/15/00		0	0	0	14A
03/15/00		0	0	0	P
03/15/00		2	0	0	CS
03/15/00		0	0	0	T
03/15/00		0	0	0	FT
03/15/00		0	0	0	
05/10/00	Chunta - Main	20	2	0	
05/10/00		14	0	0	
05/10/00		1180	0	0	14A
05/10/00	Band Office - Main	4	0	0	
05/10/00		0	0	0	FH
05/10/00	2 Mile School	2412	0	0	14A Sch
05/10/00	2 Mile Gasbar	0	0	0	14A
05/10/00		5092	14	0	CS
05/10/00		2	0	0	
05/31/00	2 Mile School	0	10	0	14A Sch
05/31/00		8	0	0	FT
05/31/00		0	0	0	FH
05/31/00		2	0	0	FT
05/31/00		0	0	0	FT
05/31/00		0	0	0	FT
05/31/00		0	0	0	FT
05/31/00		0	0	0	FT
05/31/00		0	0	0	FT
05/31/00		0	0	0	T

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05/31/00		0	0	0	T
05/31/00		0	0	0	T
08/03/00	Band Office - Main	48	2	0	
08/03/00	Pumphouse - Main	16	2	0	
08/03/00	Learning Center - Main	56	0	0	
08/03/00		0	0	0	14A
08/03/00		0	0	0	14A
08/03/00	2 Mile Well	0	0	0	14A
08/03/00	2 Mile Gasbar	938	0	0	14A
08/03/00		4	0	0	
08/03/00	2 Mile School	778	0	0	14A Sub
08/23/00	Band Office - Main	0	0	0	
08/23/00	2 Mile Gasbar	0	0	0	14A
08/23/00	2 Mile Day Care	0	0	0	14A
08/23/00		0	0	0	
08/23/00		0	0	0	14A
08/23/00		0	0	0	14A
08/23/00		0	0	0	T
08/23/00		3000	0	0	F4
-formerly	done in Prince George laboratory				
-started	PA testing - done on reserve				
	tells them only if coliform is				
	present.				



8577 Commerce Court  
Burnaby, B.C.  
V5A 4N5



ANALYTICAL SERVICES

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ANALYTICAL REPORT  
Form 08055160

Client : HEALTH CANADA  
Project : ULKATCHO/ANAHIM LAKE  
Sampling site :  
Submitted by : I. BAIRD

Philip ID : 11020089 11020090 1020091 11020092  
Client ID : ULKATCHO ULKATCHO 2 ULKATCHO C ULKATCHO  
MAIN MILE CLUSTER WEL PUT WELL

Sparcode	Parameter	Unit	MDL	CDWG				
<b>PHYSICAL</b>								
00041220	pH	pH units	0.1	6.5-8.5	7.7	7.8	8.3	8.1
00021300	Color True	Col. Unit	5	15	5	5	5	< 5
00111160	Specific Conductance	uS/cm	1	---	197	277	529	329
SCCACALC	Computed Conductance	uS/cm		---	197	280	541	324
CCPDCALC	Conductance % Diff.	%		---	-0.2	0.9	2.3	-1.5
007H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	128	168	328	214
CTDSCALC	Computed TDS	mg/L		---	102	146	305	182
TDSRCALC	TDS % Diff.	%		---	-22.6	-14.0	-7.2	-16.4
00151140	Turbidity	NTU	0.10	1.0	0.14	0.78	0.42	0.13
0107CALC	Hardness Total -T	mg/L		500	75.4	89.5	32.7	38.3
<b>GENERAL INORGANICS</b>								
01011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	---	< 1	< 1	1	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	---	95	134	284	164
CO3-CALC	Carbonate as CO3 =	mg/L		---	< 0.5	< 0.5	1.2	< 0.5
HCO3CALC	Bicarbonate as HCO3-	mg/L		---	116	163	344	200
OH-CALC	Hydroxide as OH-	mg/L		---	< 0.5	< 0.5	< 0.5	< 0.5
<b>ANIONS</b>								
11041334	Chloride Dissolved	mg/L	1.0	< 250	2.4	4.9	4.9	3.6
11061341	Fluoride Dissolved	mg/L	0.10	1.5	0.28	0.68	0.69	2.05
IonBCALC	Ion Balance	%		---	0.5	-0.3	-2.1	-1.3
AnnscALC	Total Anions	meq/L		---	2.04	2.92	5.90	3.51
CnscALC	Total Cations	meq/L		---	2.05	2.90	5.66	3.42
LangCALC	Langelier Index	pH units		---	-0.5	-0.2	-0.1	-0.2
pHSACALC	Saturation pH	pH units		---	8.2	8.0	8.4	8.3
<b>NITROGEN</b>								
1110CALC	Nitrate Nitrogen Dissolved (N)	mg/L		10.0	< 0.02	< 0.02	< 0.02	< 0.02
11091350	Nitrate + Nitrite (N)	mg/L	0.02	10.0	< 0.02	0.02	< 0.02	< 0.02
11111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	< 0.005	0.005	< 0.005	< 0.005

Matrix : Water Water Water Water  
Sampled on: 01/04/10 11:45 01/04/10 10:30 01/04/10 12:45 01/04/10 12:15



ANALYTICAL SERVICES

**ANALYTICAL REPORT**  
Form 08055160

23-Apr-01  
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Client : HEALTH CANADA  
Project : ULKATCHO/ANAHIM LAKE  
Sampling site :  
Submitted by : I. BAIRD

Phillp ID : 11020089  
Client ID : ULKATCHO MAIN

11020090  
ULKATCHO 2 MILE

11020091  
ULKATCHO C LUSTER WEL

11020092  
ULKATCHO PUT WELL

Sparcode	Parameter	Unit	MDL	CDWG				
SULFATE 11211405	Sulfate	mg/L	1.0	< 500	2.9	3.6	2.0	1.1
METALS TOTAL		mg/L	0.02	---	< 0.02	< 0.02	< 0.02	< 0.02
Al-T0031	Aluminum	mg/L	0.001	0.025	0.001	0.001	0.002	0.003
As-TMS31	Arsenic	mg/L	0.001	1.0	0.001	0.002	0.006	0.002
Ba-T0031	Barium	mg/L	0.008	5.0	< 0.008	< 0.008	0.017	0.011
B-T0031	Boron	mg/L	0.0001	0.005	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Cd-TMS31	Cadmium	mg/L	0.05	---	16.5	19.5	4.34	8.28
Ca-T0031	Calcium	mg/L	0.002	0.05	< 0.002	0.003	< 0.002	< 0.002
Cr-T0031	Chromium	mg/L	0.001	1.0	0.006	0.008	0.002	0.001
Cu-T0031	Copper	mg/L	0.005	0.3	0.015	0.094	0.040	0.049
Fe-T0031	Iron	mg/L	0.001	0.01	< 0.001	0.005	< 0.001	< 0.001
Pb-TMS31	Lead	mg/L	0.05	---	8.31	9.92	5.30	4.27
Mg-T0031	Magnesium	mg/L	0.001	0.05	< 0.001	0.005	0.009	0.081
Mn-T0031	Manganese	mg/L	0.00005	0.001	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Hg-T0310	Mercury	mg/L	0.4	---	4.9	5.8	5.6	6.7
K-T0031	Potassium	mg/L	0.001	0.01	< 0.001	< 0.001	< 0.001	< 0.001
Se-TMS31	Selenium	mg/L	0.010	200	9.70	21.2	112	57.1
Na-T0031	Sodium	mg/L	0.00001	0.1	0.00071	0.00507	0.00065	0.00017
U-TLLMS	Uranium	mg/L	0.002	5.0	0.002	1.38	< 0.002	< 0.002
Zn-T0031	Zinc	mg/L						

Matrix : Water      Water      Water      Water  
 Sampled on: 01/04/10 11:45   01/04/10 10:30   01/04/10 12:45   01/04/10 12:15