

R E P O R T

**HALFWAY RIVER FIRST NATIONS
BAND**

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

s.19(1)

	halfway	location	date	gen.bact	t.colif	fecal.c
1	Band Office	CS	01/24/00	0	0	0
2	Medical Clinic	CS	01/24/00	0	0	0
3		CS	01/24/00	0	0	0
4		CS	01/24/00	0	0	0
5		CS	01/24/00	0	0	0
6		CS	01/24/00	0	0	0
7		CS	01/24/00	0	0	0
8	Pumphouse		02/14/00	0	0	0
9		CS	02/14/00	0	0	0
10		CS	02/14/00	0	0	0
11		CS	02/14/00	0	0	0
12		CS	02/14/00	0	0	0
13		CS	02/14/00	0	0	0
14			03/10/00	0	0	0
15	School CS		03/10/00	0	0	0
16			03/10/00	0	0	0
17			03/10/00	0	0	0
18		CS	03/10/00	4	0	0
19			03/10/00	0	0	0
20	Band Office CS		05/29/00	0	0	0
21	Community Hall	CS	05/29/00	0	0	0
22		CS	05/29/00	0	0	0
23		CS	05/29/00	0	0	0
24	Spring Water		07/17/00	38	2	0
25	Clinic CS		07/17/00	0	0	0
26		CS	07/17/00	0	0	0
27			07/17/00	590	0	0
28		CS	07/17/00	0	0	0

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	halfway	location	date	gen.bact	t.colif	fecal.c
29	Pumphouse CS	chlorinator off	08/23/00	0	0	0
30	Community Hall	CS	08/23/00	0	0	0
31			08/23/00	0	0	0
32	Band Office	CS	08/23/00	0	0	0
33			08/28/00	0	0	0
34			08/28/00	0	0	0
35		CS	08/28/00	3000	46	36
36		CS	08/28/00	0	0	0
37		CS	08/28/00	8	0	0
38	Community Hall	CS	09/25/00	0	0	0
39		CS	09/25/00	0	0	0
40		CS	09/25/00	242	2	0
41		CS	09/25/00	0	0	0
42		CS	09/25/00	1420	0	0
43	Pond Water		10/10/00	522	20	0
44	Halfway School	CS	10/10/00	0	0	0
45		CS	10/10/00	0	0	0
46			10/10/00	0	0	0
47		CS	10/10/00	0	0	0
48		CS	11/15/00	0	0	0
49		CS	11/15/00	0	0	0
50		CS	11/15/00	0	0	0
51		CS	11/15/00	0	0	0
52		CS	11/15/00	0	0	0
53		CS	11/15/00	0	0	0
54		CS	11/15/00	0	0	0

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	halfway	location	date	gen.bact	t.colif	fecal.c
1	School CS		01/09/01	0	0	0
2		Filtered Water	01/09/01	0	0	0
3			01/09/01	0	0	0
4			01/09/01	0	0	0
5			01/09/01	0	0	0
6			01/09/01	0	0	0
7			01/09/01	0	0	0
8		CS	01/09/01	0	0	0
9		CS	02/05/01	0	0	0
10		CS	02/05/01	0	0	0
11		CS	02/05/01	0	0	0
12		CS	02/05/01	0	0	0
13	Medical Clinic	CS Treated	03/12/01	0	0	0
14	Band Office CS		03/12/01	0	0	0
15			03/12/01	0	0	0
16			03/12/01	0	0	0
17			03/12/01	0	0	0
18		CS	04/25/01	0	0	0
19		CS	04/25/01	0	0	0
20		CS	04/25/01	0	0	0
21		CS	04/25/01	6	0	0
22		CS	04/25/01	0	0	0
23		CS	04/25/01	0	0	0
24		Chlorinated	06/26/01	0	0	0
25			06/26/01	0	0	0
26		CS	06/26/01	0	0	0
27		CS	06/26/01	0	0	0
28		CS	06/26/01	76	0	0

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	halfway	location	date	gen.bact	t.colif	fecal.c
29			07/24/01	0	0	0
30		CS	07/24/01	3000	0	0
31		CS	07/24/01	1206	0	0
32		CS	07/24/01	3000	3000	0
33		CS	07/24/01	2	0	0
34		CS	07/24/01	3000	0	0
35		CS	07/24/01		3000	0
36	Band Office	CS chlorinated	08/21/01	0	0	0
37		CS chlorinated	08/21/01	204	0	0
38		CS chlorinated	08/21/01	780	0	0
39		CS chlorinated	08/21/01	3000	0	0

ANALYTICAL REPORT

ent : HEALTH CANADA
: :
ing site :
bmitted by : BERNIA LILLEY

Philip ID : 10070088 10070089
Client ID : HALFWAY HALFWAY
FN-WELL 1 FN-WELL 2

Code	Parameter	Unit	MDL	CDWG		
PHYSICAL						
01220	pH	pH units	0.1	6.5-8.5	7.8	7.8
0021300	Color True	Col./Unit	5	15	5	< 5
0111160	Specific Conductance	uS/cm	1	---	660	667
01ACALC	Computed Conductance	uS/cm	---	---	746	768
01DCALC	Conductance % Diff.	%	---	---	12.3	14.1
07H1035	Residue Filterable 1.0u (TDS)	mg/L	10	500	390	388
07DSCALC	Computed TDS	mg/L	---	---	382	390
07SRCALC	TDS % Diff.	%	---	---	-2.1	0.6
051140	Turbidity	NTU	0.10	1.0	9.47	2.27
0107CALC	Hardness Total -T	mg/L	---	500	361	378
GENERAL INORGANICS						
011211	Alkalinity Phen. 8.3 as CaCO3	mg/L	1	---	< 1	< 1
01021210	Alkalinity Total as CaCO3	mg/L	1	---	303	303
003-CALC	Carbonate as CO3=	mg/L	---	---	< 0.5	< 0.5
003CALC	Bicarbonate as HCO3-	mg/L	---	---	369	369
004-CALC	Hydroxide as OH-	mg/L	---	---	< 0.5	< 0.5
ANIONS						
041334	Chloride Dissolved	mg/L	1.0	< 250	4.6	5.6
061341	Fluoride Dissolved	mg/L	0.10	1.5	0.10	0.11
IonBCALC	Ion Balance	%	---	---	0.9	3.3
04nsCALC	Total Anions	meq/L	---	---	7.42	7.44
04nsCALC	Total Cations	meq/L	---	---	7.55	7.94
04ngCALC	Langelier Index	pH units	---	---	0.8	0.8
04HSACALC	Saturation pH	pH units	---	---	7.0	7.0
NITROGEN						
0110CALC	Nitrate Nitrogen Dissolved (N)	mg/L	---	10.0	< 0.02	< 0.02
11091350	Nitrate + Nitrite (N)	mg/L	0.02	10.0	< 0.02	< 0.02
1111354	Nitrite Nitrogen (N)	mg/L	0.005	1.0	< 0.005	< 0.005

Matrix : Water Water
Sampled on: 00/10/18 11:50 00/10/18 11:50

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ANALYTICAL REPORT

31-Oct-00
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Client : HEALTH CANADA
Project :
Sampling site :
Submitted by : BERNIA LILLEY

Philip ID : 10070088 10070089
Client ID : HALFWAY HALFWAY
 FN-WELL 1 FN-WELL 2

Sparcode	Parameter	Unit	MDL	CDWG		
SULFATE						
11211405	Sulfate	mg/L	1.0	< 500	58.3	58.2
METALS TOTAL						
Al-T0031	Aluminum	mg/L	0.02	---	< 0.02	< 0.02
As-TMS31	Arsenic	mg/L	0.001	0.025	0.003	0.001
Ba-T0031	Barium	mg/L	0.001	1.0	0.181	0.185
B--T0031	Boron	mg/L	0.008	5.0	0.021	0.023
Cd-TMS31	Cadmium	mg/L	0.0001	0.005	< 0.0001	< 0.0001
Ca-T0031	Calcium	mg/L	0.05	---	104	109
Cr-T0031	Chromium	mg/L	0.002	0.05	< 0.002	0.002
Cu-T0031	Copper	mg/L	0.001	1.0	0.002	0.002
Fe-T0031	Iron	mg/L	0.005	0.3	0.552	0.414
Pb-TMS31	Lead	mg/L	0.001	0.01	0.002	< 0.001
Mg-T0031	Magnesium	mg/L	0.05	---	24.6	25.7
Mn-T0031	Manganese	mg/L	0.001	0.05	0.120	0.124
Hg-T0310	Mercury	mg/L	0.00005	0.001	< 0.00005	< 0.00005
K__T0031	Potassium	mg/L	0.4	---	1.5	1.8
Se-TMS31	Selenium	mg/L	0.001	0.01	< 0.001	< 0.001
Na-T0031	Sodium	mg/L	0.010	200	6.91	8.08
U--TLLMS	Uranium	mg/L	0.00001	0.1	0.00049	0.00048
Zn-T0031	Zinc	mg/L	0.002	5.0	0.011	0.008

Matrix : Water Water
Sampled on: 00/10/18 11:50 00/10/18 11:50