

**R E P O R T**

## **DOIG RIVER**

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

## RESULTS OF ANALYSIS - Water



Sample ID	Raw Water	Product Water	Band Office	Jack Pine	Discharge
Sample Date	01 05 22	01 05 22	01 05 22	01 05 22	
Sample Time					
ALS ID	1	2	3	4	5

**Physical Tests**

Colour (CU)	24	<5	<5	<5	-
Total Dissolved Solids	1380	103	105	106	3640
pH	8.54	8.32	8.09	8.16	-

**Dissolved Anions**

Chloride Cl	-	-	-	-	151
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**Total Metals**

Iron T-Fe	0.06	<0.03	<0.03	<0.03	-
Manganese T-Mn	<0.005	<0.005	<0.005	<0.005	0.011

Results are expressed as milligrams per litre except where noted.  
 < = Less than the detection limit indicated.

	doig	location	date	gen.bact	t.colif	fecal.c
s.19(1) <sup>P</sup>		2 Rivers PW	01/12/00	0	0	0
		2 Rivers PW	01/12/00	0	0	0
		2 Rivers PW	01/12/00	0	0	0
		2 Rivers PW	01/12/00	0	0	0
	Well Water	Treated	02/22/00	14	0	0
	Pumphouse	Product Water	02/22/00	0	0	0
	Band Office	CS	02/22/00	0	0	0
	Jack Pine Tower	CS	02/22/00	0	0	0
	PumphouseGW Well	BeforeRO Filter	03/13/00	124	0	0
	PumphouseGW Well	After RO Filter	03/13/00	0	0	0
	Band Office	CS	03/13/00	0	0	0
	Jackpine Sub.	CS	03/13/00	0	0	0
	PumphouseGW Well	BeforeRO Filter	04/17/00	20	8	0
	PumphouseGW Well	After RO Filter	04/17/00	0	0	0
	Band Office	Coffee Room Tap	04/17/00	0	0	0
	Jack Pine Tower	CS	04/17/00	0	0	0
s.19(1) <sup>18</sup>		PW Untreated	04/17/00	262	0	0
		PW Untreated	04/17/00	0	0	0
		PW Filtered	04/17/00	0	0	0
		PW Filtered	04/17/00	0	0	0
	Pumphouse	Raw GW Well	05/08/00	4	0	0
	Pumphouse GW Wel	After RO Filter	05/08/00	2	0	0
	Band Office	CS, KT	05/08/00	0	0	0
	Band Office	Bottled Water	05/08/00	28	0	0
	Jack Pine Tower	CS	05/08/00	0	0	0
s.19(1)		GW Well	05/08/00	0	0	0
		GW Well Untreat	05/08/00	0	0	0
	Pumphouse	Raw before filt	06/26/00	3000	0	0

	doig	location	date	gen.bact	t.colif	fecal.c
	Pumphouse	After filter	06/26/00	0	0	0
	Band Office	KT, CS	06/26/00	0	0	0
	Jackpine Tower	CS	06/26/00	0	0	0
s.19(1)		House tap PW	06/26/00	0	0	0
		GWW,PW,Treated	06/26/00	0	0	0
	Pumphouse	Raw GW Well	07/24/00	2	0	0
	Pumphouse	GW Well Treated	07/24/00	0	0	0
	Band Office	CS	07/24/00	0	0	0
	Jack Pine Tower	CS	07/24/00	0	0	0
	Pumphouse	Raw GW Well	09/18/00	0	0	0
	Pumphouse	GW Well Treated	09/18/00	0	0	0
	Band Office CS		09/18/00	0	0	0
	Jack Pine Tower	CS	09/18/00	0	0	0
	Pumphouse Raw	Before RO Filt.	11/20/00	0	0	0
	PumphouseTreated	After RO	11/20/00	0	0	0
	Band Office	KT, CS	11/20/00	0	0	0
	JackPine Tower	CS	11/20/00	0	0	0
s.19(1)		PW filtered	11/20/00	0	0	0
		#1 KT, PW	11/20/00	0	0	0
	Pumphouse Raw	GW Well	12/11/00	26	0	0
	PumphouseTreated	After RO	12/11/00	0	0	0
	Band Office	KT, CS	12/11/00	0	0	0
	Jack Pine Tower	CS	12/11/00	0	0	0

	doig2001	location	date	gen.bact	t.colif	fecal.c
1	Pumphouse Well	Untreated	01/22/01	0	0	0
2	Pumphouse Well	Treated	01/22/01	0	0	0
3	Band Office	KT, CS	01/22/01	0	0	0
4	Jack Pine Tower	CS	01/22/01	0	0	0
5	PumphouseGW Well	Before RO Filtr	02/19/00	18	0	0
6	PumphouseGW Well	After RO Filter	02/19/00	0	0	0
7	Band Office	CS	02/19/00	0	0	0
8	Jack Pine Tower	CS	02/19/00	0	0	0
9	Pumphouse Well	untreated	03/26/01	20	0	0
10	Pumphouse Well	Treated	03/26/01	0	0	0
11	Band Office	KT, CS	03/26/01	2	0	0
12	JackPine Tower		03/26/01	0	0	0
13	2 Rivers#1Filter	Single Well	04/23/01	0	0	0
14	2 RiversAft.Filt	Single Well	04/23/01	0	0	0
15	Product Water	AfterRO GW	04/23/01	0	0	0
16	Band Office	KT, CS	04/23/01	0	0	0
17	Jack Pine Tower	CS	04/23/01	0	0	0
18	Pumphouse Raw	Before RO	05/22/01	6	0	0
19	PumphouseProduct	After RO	05/22/01	0	0	0
20	Band Office	KT, CS	05/22/01	2	0	0
21	Jack Pine	CS	05/22/01	0	0	0
22	Pumphouse	Raw before RO	06/18/01	0	0	0
23	Pumphouse	Product afterRO	06/18/01	0	0	0
24	Band Office	KT, CS	06/18/01	0	0	0
25	Jack Pine	CS	06/18/01	0	0	0
26	Pumphouse Raw	Before RO	07/30/01	3000	0	0
27	PumphouseProduct	After RO	07/30/01	0	0	0
28	Band office	KT, CS	07/30/01	0	0	0

	dolg2001	location	date	gen.bact	t.colif	fecal.c
29	Jack Pine Tower	CS	07/30/01	0	0	0

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**RESULTS OF ANALYSIS**

File No. K3218

→ Doig-  
Jackpine  
Subdiv.  
99 01 20  
11:00

**Physical Tests**

Colour	(CU)	17
Conductivity	(umhos/cm)	1830
Total Dissolved Solids		1110
Hardness	CaCO3	14.1
pH		8.19
Turbidity	(NTU)	0.5

**Dissolved Anions**

Alkalinity-Total		CaCO3	824
Chloride	Cl		51.7
Fluoride	F		1.44
Sulphate	SO4		45

**Nutrients**

Nitrate Nitrogen		N	0.3
Nitrite Nitrogen		N	<0.1

**Total Metals**

Aluminum	T-Al	<0.03
Arsenic	T-As	<0.0005
Barium	T-Ba	0.035
Boron	T-B	0.4
Cadmium	T-Cd	<0.001
Calcium	T-Ca	2.0
Chromium	T-Cr	<0.005
Copper	T-Cu	0.011
Iron	T-Fe	0.05
Lead	T-Pb	<0.005
Magnesium	T-Mg	2.2
Manganese	T-Mn	<0.005
Mercury	T-Hg	<0.00005
Potassium	T-K	1.5
Selenium	T-Se	<0.005
Sodium	T-Na	459
Uranium	T-U	0.00015
Zinc	T-Zn	<0.03

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Remarks regarding the analyses appear at the beginning of this report.  
Results are expressed as milligrams per litre except for pH, Colour (CU),  
Conductivity (umhos/cm), and Turbidity (NTU).  
< - Less than the detection limit indicated.

DRAFT