

*Unama'ki Institute
of Natural Resources*

Eskasoni • Membertou • Potlotek • Wagmatcook • We'koqma'q
Unama'ki Cape Breton First Nations

Wagmatcook

Drinking Water Quality Report

2004-2005



www.uinr.ca

Table of Contents

Community Based Water Monitoring Program	Pg. 1
Sampling	Pg. 2
Water Source for Wagmatcook	Pg. 2
Acceptable Criteria for Drinking Water	Pg. 2
Methodology	Pg. 4
Results	Pg. 6
Table 1. Summary of drinking water quality sampling results for Wagmatcook in 2004.	Pg. 7
Table 2. Results for <i>E. coli</i> counts for Wagmatcook in 2004.	Pg. 7
Table 3. Results for total coliform counts for Wagmatcook in 2004.	Pg. 11
Table 4. Chlorine results for Wagmatcook in 2004.	Pg. 16
Table 5. Summary of routine physical analysis results for drinking water in Wagmatcook (2004).	Pg. 20
Table 6. Results from routine chemical and/or physical samples for drinking water quality in Wagmatcook (2004).	Pg. 20
Table 7. Summary of drinking water quality sampling results for Wagmatcook in 2005.	Pg. 23
Table 8. Results for <i>E. coli</i> counts for Wagmatcook in 2005.	Pg. 23
Table 9. Results for total coliform counts for Wagmatcook in 2005.	Pg. 30
Table 10. Chlorine results for Wagmatcook in 2005.	Pg. 37
Table 11. Summary of routine physical analysis results for drinking water in Wagmatcook (2005).	Pg. 42
Table 12. Results from routine chemical and physical samples for drinking water quality in Wagmatcook (2005).	Pg. 43
List of References	Pg. 49

Community Based Water Monitoring Program

The First Nation Water Management Strategy and Community Water Monitoring Program were developed in collaboration with Health Canada's First Nation & Inuit Health Branch (FNIB), Environment Canada, Indian & Northern Affairs Canada (INAC) and First Nations.

First Nation & Inuit Health Branch (FNIB) Community Environment Officers do not have the manpower to adequately monitor drinking water quality in all First Nation communities. As a result, the Community Based Water Monitoring Program for Atlantic First Nations was developed. Through this program, capacity was built within First Nation communities to test water, enter data, and follow certain protocols when test results fall outside stringent criteria to ensure that drinking water is safe for their community.

All community based water monitors have undergone formal training at the Nova Scotia Community College, Truro, Nova Scotia through training program developed by Health Canada, FNIB and Anthony Nevin Management Solutions (ANMS). This training consists of practical and written evaluations in all sampling, testing and reporting techniques, protocols and regulations. An annual audit on their performance is conducted by Health Canada. One full year of on-site training combined with six weeks of one interval classroom instruction prepares operators for the Level I Certification in Water Distribution examination. The training module consists of:

- Basic properties of water and the hydrologic cycle
- Water contamination and its effects
- Providing a safe water supply to the communities
- Guidelines for Canadian Drinking Water Quality
- Maximum Acceptable Concentrations (MACs) and Interim Maximum Acceptable Concentrations (IMACs)
- The importance of safe drinking water
- Learning about the different types of microorganisms (pathogens, bacteria, viruses, protozoa), how they affect the community and where they come from
- Types of disinfectants and proper usage
- Proper use of instruments
- Turbidity control
- Sampling methods & recommendations
- Lab analysis and reporting results
- Corrective actions to be taken when bacteria present
- The importance of accurate record keeping
- Roles and responsibilities of being a Community Based Water Monitor

Observable characteristics, sources, health implications and treatments for a variety of chemicals are also included. The value of treating drinking water and the types of treatment are integrated as well. Furthermore, well construction and disinfection are covered in addition to well maintenance and troubleshooting.

Sampling

Health Canada samples the supply for total and fecal coliform bacteria on an approximate biweekly basis. General chemical parameters are sampled on an annual basis. The Community Based Water Monitor responsible for testing the drinking water in Wagmatcook is Lorraine Marshall. Lorraine takes water samples from 4 sample stations in Wagmatcook (Figure 1).

Water Source for Wagmatcook

The drinking water for Wagmatcook comes from a groundwater supply. There are two wells in the community located on Humes Road and near the school. The only one currently supplying the central distribution system is located on Humes Road.

The central system is made up of approximately 7170 metres of buried piping with associated valves and fire hydrants. The main 25 cm diameter, 50 metre deep borehole is linked with a booster station which feeds a 227, 300 L (50, 000 IG) reservoir nearby. The pumping rate for this well is 130 LPM but the safe yield of the well is unknown. Pump operation is controlled by a pressure switch which monitors tank elevation. It is this system which services the majority of Wagmatcook residents. Two domestic wells are being used in the community as well. One well located on the West Middle River Road supplies three homes, while the home of Felix Smith has a dedicated well.

The other community well has a safe yield of 35 LPM and is located near the school. When operational, the water from this well is delivered to the distribution system by a 120 gallon pressure tank.

The Humes Road pumphouse is equipped with provisions for chlorination using a mixture of sodium hypochlorite and water and a small injection pump; however reports from the Band indicate that the system is not in use.

Acceptable Criteria for Drinking Water

Acceptable ranges for free available chlorine (FAC).

Recommended (FAC) limits are as follows:

- NS – min 0.2 mg/L, max 4 mg/L;
- PEI – no recommended chlorine levels;
- NB – min 0.1 mg/L (optimally 0.2 mg/L);
- Nfld – a measurable level.

Turbidity, which is measured in units called nephelometric turbidity units, NTUs has a maximum allowable concentration (MAC) of 1 NTU for treated water leaving the water treatment plant and entering the distribution system. A less stringent aesthetic objective value of 5 NTUs at the point of consumption (distribution system) may be used.

No sample should contain *E. coli* or other coliform bacteria. The goal is 0 total coliform and 0 *E. coli* or non-detectable.

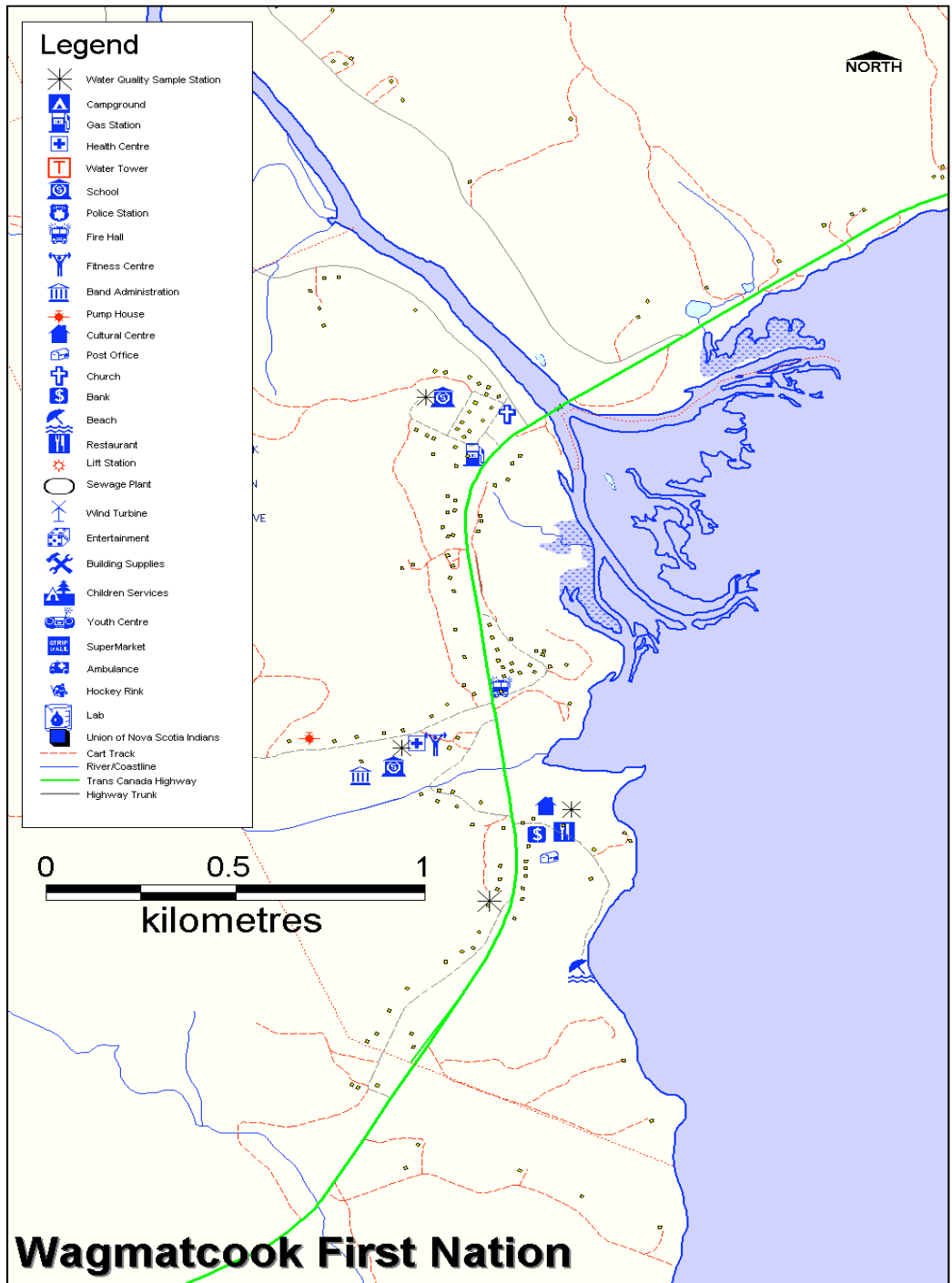


Figure 1. Locations of drinking water sample stations in Wagmatcook.

Methodology

Sampling collection and processing for the presence/absence procedure for total coliforms and *E. coli*, Quanti-Tray (MPN) Procedure, Free Chlorine Procedure, Total Chlorine Procedure, and Turbidity are outlined in this report.

Presence/Absence Procedure

The colilert reagent (powder) is used to detect the presence of both total coliforms and *E. coli*. The method uses a reagent that when metabolized by total coliforms yields a yellow color and when metabolized by *E. coli* produces a bluish fluorescence when illuminated by an ultraviolet light. This test detects the presence or absence of total coliforms and *E. coli*, but not actual quantities.

- Run water for a couple minutes.
- If the water is chlorinated, collect sample using a bottle containing sodium thiosulfate.
- Fill the bottle to the 100 mL mark.
- Detach a snap pack of reagent and shake to dissolve any Colilert reagent that may have settled to the bottom.
- Open the snap pack by breaking along the dotted line, being careful not to touch the opening.
- Pour the reagent into the sample of water to be tested.
- Shake the bottle until the reagent is completely dissolved.
- Incubate sample for 24 hours at 35°C \pm 0.5°C.
- Interpret the results after 24 hours.

If the water remains clear, the test is negative for fecal coliform. There is no yellow discoloration. If the water has a yellow discoloration, the test is positive for total coliform. The test is positive for *E. coli* when a bluish fluorescence is visible under illumination by an ultraviolet light at a distance of 12 cm.

Quanti-Tray (MPN) Procedure

- Run water for a couple minutes.
- If the water is chlorinated, collect sample using a bottle containing sodium thiosulfate.
- Fill the bottle to the 100 mL mark.
- Detach a snap pack of reagent and shake to dissolve any Colilert reagent that may have settled to the bottom.
- Open the snap pack by breaking along the dotted line, being careful not to touch the opening.
- Pour the reagent into the sample of water to be tested.
- Shake the bottle until the reagent is completely dissolved.
- Pour the sample into a Quanti-Tray being careful not to contaminate the tray with your hands.
- Seal the tray using the Quanti-Tray sealer.
- Incubate sample for 24 hours at 35°C \pm 0.5°C.
- Interpret the results after 24 hours.

The test is negative if there is no coloration. The test is positive for total coliform, if yellow wells are present. Count the number of yellow wells and refer to the most probable number (MPN) table. The test is positive for *E. coli* when a bluish fluorescence

is visible under illumination by an ultraviolet light at a distance of 12 cm. Count the number of bluish fluorescent wells and refer to the MPN table.

Free Chlorine Procedure

- Run water for a couple minutes.
- Fill a bottle to the 10 mL mark.
- Carefully dry the bottle with a lint free cloth to remove any trace of liquid or fingerprints.
- Remove the cover from the Chlorine Digital Test instrument.
- Place the sample bottle in the measuring chamber with the diamond-shaped marker facing towards the front of the instrument.
- Place the instrument's cover in position and press ZERO. The instrument lights up and the display should read 0.00.
- Remove the bottle from the measuring chamber.
- Fill a bottle to the 10 mL mark containing the water sample to be tested.
- To this bottle, add the contents of a packet of DPD reagent for free chlorine, or from your Colilert EZ DPD dispenser.
- Cover the bottle and shake it for 20 seconds. Some un-dissolved powder will not affect the test result.
- Carefully dry the bottle with a lint free cloth to remove any trace of liquid or fingerprints.
- Place the sample bottle in the measuring chamber with the diamond-shaped marker facing towards the front of the instrument within one minute of adding the reagent.
- Place the instrument's cover in position enclosing the bottle.
- Press READ. The instrument displays the result of the sample for free chlorine in mg/L.

Total Chlorine Procedure

- Run water for a couple minutes.
- Fill a bottle to the 10 mL mark.
- Carefully dry the bottle with a lint free cloth to remove any trace of liquid or fingerprints.
- Remove the cover from the Chlorine Digital Test instrument.
- Place the sample bottle in the measuring chamber with the diamond-shaped marker facing towards the front of the instrument.
- Place the instrument's cover in position and press ZERO. The instrument lights up and the display should read 0.00.
- Remove the bottle from the measuring chamber.
- Fill a bottle to the 10 mL mark containing the water sample to be tested.
- To this bottle, add the contents of a packet of DPD reagent for total chlorine.
- Cover the bottle and shake it for 20 seconds. Some un-dissolved powder will not affect the test result.
- Carefully dry the bottle with a lint free cloth to remove any trace of liquid or fingerprints.

- Place the sample bottle in the measuring chamber with the diamond-shaped marker facing towards the front of the instrument at least 3 minutes later, but no more than 6 minutes later.
- Place the instrument's cover in position enclosing the bottle.
- Press READ. The instrument displays the result of the sample for free chlorine in mg/L.

Turbidity

- Place the turbidimeter on a stable flat surface. Do not hold the instrument in your hand when taking measurements.
- Run water for a couple minutes before taking a sample.
- Fill a bottle, taking care to hold it by the neck. Screw on the lid.
- Carefully dry the bottle with a lint free cloth to remove any trace of liquid or fingerprints.
- Apply a thin film of silicone oil to the outside of the sample bottle.
- Wipe with a soft cloth to obtain a uniform film over the entire surface.
- Press $\frac{1}{0}$ on the turbidimeter.
- Place the bottle in the measuring chamber, aligning the diamond-shaped mark on the bottle with the index on the front of the measuring chamber.
- Place the instrument's cover in position and press RANGE to choose the automatic mode AUTO RNG.
- Press READ. The display will indicate –NTU, then the turbidity reading in NTU. Press SIGNAL AVERAGE if the reading is unstable.
- Press $\frac{1}{0}$ to turn instrument off.

Analysis of data was provided by Health Canada's WaterTrax database. Data was re-formatted to the tables used in this report.

No additional data was entered or modified from its original entry. Comments, however, were omitted. The data present in this report does not include data that was not entered into the WaterTrax database, therefore some results may be absent for the sampling period.

Results

During 2004, there were 5 reports of chlorine not falling within the acceptable range (Tables 1 and 4) and 2 instances when total coliform counts exceeded acceptable limits (Tables 1 and 3). There were no exceedances for *E.coli* (Tables 1 and 2) or cadmium (Tables 5 and 6). One exceedance for turbidity was reported (Tables 5 and 6). For greater detail in locations and dates of exceedances in 2004, please refer to tables 3 to 4 and 6.

In 2005, there were 7 instances where chlorine levels were not acceptable (Tables 1 and 3) and 5 instances where total coliform counts were high (Tables 7 and 9). There were no exceedances for cadmium, turbidity or *E. coli* in 2005 (Tables 7, 8, 11, and 12). For greater detail in locations and dates of exceedances in 2005, please refer to tables 9 and 10.

Table 1. Summary of drinking water quality sampling results for Wagmatcook in 2004.

Sample Type	# Samples	# Detects	# non-Detects	# Exceedances	Min.	Max.	Average	Unit
Chlorine (Free)	141	140	1	5	0.00	0.73	0.29	mg/L
E. coli	150	0	150	0	0.00	<1	0.00	MPN/100 mL
Total Coliform	150	2	148	2	0.00	144.50	1.10	MPN/100 mL

Table 2. Results for *E. coli* counts for Wagmatcook in 2004. **Result:** P=present, A=absent, PR=presumptive, ND=not detected, OR=over range, OG=overgrown, NR=no result, NT=not tested "<" = less than detection limit shown, ">" = greater than upper range limit shown, "<<" = less than number shown (Detected), ">>" = greater than number shown (Detected), * Criteria Exceeded.

Outside Limits	Date	Sample Location	E. coli (MPN/100 mL)
	05/03/04	Band Office	0
	05/03/04	Entrepreneur Centre	0
	05/03/04	Pierro, Francis	0
	05/03/04	School	0
	05/10/04	Band Office	0
	05/10/04	Entrepreneur Centre	0
	05/10/04	Pierro, Francis	0
	05/10/04	School	0
	05/17/04	Band Office	0
	05/17/04	Entrepreneur Centre	0
	05/17/04	Pierro, Francis	0
	05/17/04	School	0
	05/27/04	Band Office	0
	05/27/04	Entrepreneur Centre	0
	05/27/04	Pierro, Francis	0
	05/27/04	School	0
	05/31/04	Band Office	0
	05/31/04	Entrepreneur Centre	0
	05/31/04	Pierro, Francis	0

	05/31/04	School	0
	06/07/04	Band Office	0
	06/07/04	Entrepreneur Centre	0
	06/07/04	Pierro, Francis	0
	06/07/04	School	0
	06/15/04	Band Office	0
	06/15/04	Entrepreneur Centre	0
	06/15/04	Pierro, Francis	0
	06/15/04	School	0
	06/22/04	Band Office	0
	06/22/04	Entrepreneur Centre	0
	06/22/04	Pierro, Francis	0
	06/22/04	School	0
	06/29/04	Band Office	0
	06/29/04	Entrepreneur Centre	0
	06/29/04	Pierro, Francis	0
	06/29/04	School	0
	07/05/04	Band Office	0
	07/05/04	Entrepreneur Centre	0
	07/05/04	Pierro, Francis	0
	07/05/04	School	0
	07/06/04	Entrepreneur Centre	0
	07/06/04	Health Centre	0
	07/06/04	Pierro, Francis	0
	07/06/04	School	0
	07/15/04	Band Office	0
	07/15/04	Entrepreneur Centre	0
	07/15/04	Pierro, Francis	0
	07/15/04	School	0
	07/19/04	Band Office	0
	07/19/04	Entrepreneur Centre	0
	07/19/04	Pierro, Francis	0
	07/19/04	School	0
	07/27/04	Band Office	0
	07/27/04	Entrepreneur Centre	0
	07/27/04	Pierro, Francis	0
	07/27/04	School	0

	08/03/04	Band Office	0
	08/03/04	Entrepreneur Centre	0
	08/03/04	Entrepreneur Centre	0
	08/03/04	Health Centre	0
	08/03/04	Pierro, Francis	0
	08/03/04	Pierro, Francis	0
	08/03/04	School	0
	08/03/04	School	0
	08/09/04	Entrepreneur Centre	0
	08/09/04	Health Centre	0
	08/09/04	Pierro, Francis	0
	08/09/04	School	0
	08/17/04	Entrepreneur Centre	0
	08/17/04	Health Centre	0
	08/17/04	Pierro, Francis	0
	08/17/04	School	0
	08/23/04	Entrepreneur Centre	0
	08/23/04	Health Centre	0
	08/23/04	Pierro, Francis	0
	08/23/04	School	0
	08/30/04	Entrepreneur Centre	0
	08/30/04	Health Centre	0
	08/30/04	Pierro, Francis	0
	08/30/04	School	0
	09/07/04	Entrepreneur Centre	0
	09/07/04	Pierro, Francis	0
	09/07/04	School	0
	09/09/04	Entrepreneur Centre	0
	09/09/04	Health Centre	0
	09/13/04	Entrepreneur Centre	0
	09/13/04	Pierro, Francis	0
	09/21/04	Entrepreneur Centre	0
	09/21/04	Pierro, Francis	0
	09/27/04	Entrepreneur Centre	0
	09/27/04	Pierro, Francis	0
	10/04/04	Band Office	0
	10/04/04	Entrepreneur Centre	0

	10/04/04	Pierro, Francis	0
	10/04/04	School	0
	10/05/04	Entrepreneur Centre	0
	10/05/04	Pierro, Francis	0
	10/13/04	Entrepreneur Centre	0
	10/13/04	Pierro, Francis	NT
	10/19/04	Entrepreneur Centre	0
	10/19/04	Pierro, Francis	0
	10/25/04	Entrepreneur Centre	0
	10/25/04	Pierro, Francis	0
	11/01/04	Entrepreneur Centre	0
	11/01/04	Health Centre	0
	11/01/04	Pierro, Francis	0
	11/01/04	School	0
	11/08/04	Band Office	0
	11/08/04	Entrepreneur Centre	0
	11/08/04	Pierro, Francis	0
	11/08/04	School	0
	11/09/04	Entrepreneur Centre	0
	11/09/04	Health Centre	0
	11/09/04	Pierro, Francis	0
	11/09/04	School	0
	11/15/04	Entrepreneur Centre	0
	11/15/04	Health Centre	0
	11/15/04	Pierro, Francis	0
	11/15/04	School	0
	11/25/04	Entrepreneur Centre	0
	11/25/04	Health Centre	0
	11/25/04	Pierro, Francis	0
	11/25/04	School	0
	11/29/04	Entrepreneur Centre	0
	11/29/04	Health Centre	0
	11/29/04	Pierro, Francis	0
	11/29/04	School	0
	12/06/04	Entrepreneur Centre	0
	12/07/04	Entrepreneur Centre	<1
	12/07/04	Health Centre	0

	12/07/04	Health Centre	<1
	12/07/04	Pierro, Francis	0
	12/07/04	Pierro, Francis	<1
	12/07/04	School	0
	12/07/04	School	<1
	12/13/04	Entrepreneur Centre	0
	12/13/04	Entrepreneur Centre	<1
	12/13/04	Health Centre	0
	12/13/04	Health Centre	<1
	12/13/04	Pierro, Francis	0
	12/13/04	Pierro, Francis	<1
	12/13/04	School	0
	12/13/04	School	<1
	12/22/04	Entrepreneur Centre	NT
	12/22/04	Entrepreneur Centre	<1
	12/22/04	Health Centre	<1
	12/22/04	Health Centre	NT
	12/22/04	Pierro, Francis	NT
	12/22/04	Pierro, Francis	<1
	12/22/04	School	NT
	12/22/04	School	<1
	12/30/04	Entrepreneur Centre	NT
	12/30/04	Entrepreneur Centre	<1
	12/30/04	Health Centre	NT
	12/30/04	Health Centre	<1
	12/30/04	Pierro, Francis	NT
	12/30/04	Pierro, Francis	<1
	12/30/04	School	NT
	12/30/04	School	<1

Table 3. Results for total coliform counts for Wagmatcook in 2004.
Result: P=present, A=absent, PR=presumptive, ND=not detected, OR=over range, OG=overgrown, NR=no result, NT=not tested "<" = less than detection limit shown, ">" = greater than upper range limit shown, "«" = less than number shown (Detected), "»" = greater than number shown (Detected), * Criteria Exceeded.

Outside Limits	Date	Sample Location	Total Coliform (MPN/100 mL)
	05/03/04	Band Office	0
	05/03/04	Entrepreneur Centre	0
	05/03/04	Pierro, Francis	0
	05/03/04	School	0
	05/10/04	Band Office	0
	05/10/04	Entrepreneur Centre	0
	05/10/04	Pierro, Francis	0
	05/10/04	School	0
	05/17/04	Band Office	0
	05/17/04	Entrepreneur Centre	0
	05/17/04	Pierro, Francis	0
	05/17/04	School	0
	05/27/04	Band Office	0
	05/27/04	Entrepreneur Centre	0
	05/27/04	Pierro, Francis	0
	05/27/04	School	0
	05/31/04	Band Office	0
	05/31/04	Entrepreneur Centre	0
	05/31/04	Pierro, Francis	0
	05/31/04	School	0
	06/07/04	Band Office	0
	06/07/04	Entrepreneur Centre	0
	06/07/04	Pierro, Francis	0
	06/07/04	School	0
	06/15/04	Pierro, Francis	0
	06/15/04	School	0
	06/15/04	Band Office	0
	06/15/04	Entrepreneur Centre	0
	06/22/04	Band Office	0
	06/22/04	Entrepreneur Centre	0
	06/22/04	Pierro, Francis	0
	06/22/04	School	0
	06/29/04	Band Office	0
	06/29/04	Entrepreneur Centre	0
	06/29/04	Pierro, Francis	0

	06/29/04	School	0
	07/05/04	Pierro, Francis	0
	07/05/04	Entrepreneur Centre	0
	07/05/04	Band Office	0
	07/05/04	School	0
	07/06/04	Entrepreneur Centre	0
	07/06/04	Health Centre	0
	07/06/04	Pierro, Francis	0
	07/06/04	School	0
	07/15/04	Pierro, Francis	0
	07/15/04	Entrepreneur Centre	0
	07/15/04	Band Office	0
*	07/15/04	School	3
	07/19/04	School	0
	07/19/04	Band Office	0
	07/19/04	Entrepreneur Centre	0
	07/19/04	Pierro, Francis	0
	07/27/04	Pierro, Francis	0
	07/27/04	Entrepreneur Centre	0
	07/27/04	Band Office	0
	07/27/04	School	0
	08/03/04	Band Office	0
	08/03/04	Entrepreneur Centre	0
	08/03/04	Pierro, Francis	0
	08/03/04	School	0
	08/03/04	Pierro, Francis	0
	08/03/04	School	0
	08/03/04	Entrepreneur Centre	0
	08/03/04	Health Centre	0
	08/09/04	Pierro, Francis	0
	08/09/04	Entrepreneur Centre	0
	08/09/04	Health Centre	0
	08/09/04	School	0
	08/17/04	Health Centre	0
	08/17/04	Entrepreneur Centre	0
	08/17/04	Pierro, Francis	0
	08/17/04	School	0

	08/23/04	School	0
	08/23/04	Health Centre	0
	08/23/04	Entrepreneur Centre	0
	08/23/04	Pierro, Francis	0
	08/30/04	Pierro, Francis	0
	08/30/04	Entrepreneur Centre	0
	08/30/04	Health Centre	0
	08/30/04	School	0
	09/07/04	Pierro, Francis	0
*	09/07/04	Entrepreneur Centre	144.5
	09/07/04	School	0
	09/09/04	Entrepreneur Centre	0
	09/09/04	Health Centre	0
	09/13/04	Pierro, Francis	0
	09/13/04	Entrepreneur Centre	0
	09/21/04	Entrepreneur Centre	0
	09/21/04	Pierro, Francis	0
	09/27/04	Pierro, Francis	0
	09/27/04	Entrepreneur Centre	0
	10/04/04	Band Office	0
	10/04/04	Entrepreneur Centre	0
	10/04/04	Pierro, Francis	0
	10/04/04	School	0
	10/05/04	Entrepreneur Centre	0
	10/05/04	Pierro, Francis	0
	10/13/04	Pierro, Francis	NT
	10/13/04	Entrepreneur Centre	0
	10/19/04	Entrepreneur Centre	0
	10/19/04	Pierro, Francis	0
	10/25/04	Pierro, Francis	0
	10/25/04	Entrepreneur Centre	0
	11/01/04	School	0
	11/01/04	Health Centre	0
	11/01/04	Entrepreneur Centre	0
	11/01/04	Pierro, Francis	0
	11/08/04	Band Office	0
	11/08/04	Entrepreneur Centre	0
	11/08/04	Pierro, Francis	0
	11/08/04	School	0

	11/09/04	School	0
	11/09/04	Pierro, Francis	0
	11/09/04	Health Centre	0
	11/09/04	Entrepreneur Centre	0
	11/15/04	Pierro, Francis	0
	11/15/04	Entrepreneur Centre	0
	11/15/04	Health Centre	0
	11/15/04	School	0
	11/25/04	School	0
	11/25/04	Health Centre	0
	11/25/04	Entrepreneur Centre	0
	11/25/04	Pierro, Francis	0
	11/29/04	Pierro, Francis	0
	11/29/04	Entrepreneur Centre	0
	11/29/04	Health Centre	0
	11/29/04	School	0
	12/06/04	Entrepreneur Centre	0
	12/07/04	School	0
	12/07/04	School	<1
	12/07/04	Health Centre	0
	12/07/04	Health Centre	<1
	12/07/04	Entrepreneur Centre	<1
	12/07/04	Pierro, Francis	0
	12/07/04	Pierro, Francis	<1
	12/13/04	Pierro, Francis	0
	12/13/04	Pierro, Francis	<1
	12/13/04	Entrepreneur Centre	0
	12/13/04	Entrepreneur Centre	<1
	12/13/04	Health Centre	0
	12/13/04	Health Centre	<1
	12/13/04	School	0
	12/13/04	School	<1
	12/22/04	School	NT
	12/22/04	School	<1
	12/22/04	Health Centre	<1
	12/22/04	Entrepreneur Centre	NT
	12/22/04	Entrepreneur Centre	<1

	12/22/04	Pierro, Francis	NT
	12/22/04	Pierro, Francis	<1
	12/22/04	Health Centre	NT
	12/30/04	School	NT
	12/30/04	School	<1
	12/30/04	Health Centre	NT
	12/30/04	Health Centre	<1
	12/30/04	Entrepreneur Centre	NT
	12/30/04	Entrepreneur Centre	<1
	12/30/04	Pierro, Francis	NT
	12/30/04	Pierro, Francis	<1

Table 4. Chlorine results for Wagmatcook in 2004.

Outside Limits	Date	Sample Location	Cl (free) mg/L
	05/03/2004	School	0.11
	05/03/2004	Pierro, Francis	0.18
*	05/03/2004	Band Office	0.03
	05/03/2004	Entrepreneur Center	0.11
	05/10/2004	School	0.12
*	05/10/2004	Pierro, Francis	0.00
*	05/10/2004	Band Office	0.02
	05/10/2004	Entrepreneur Center	0.05
	05/17/2004	School	0.23
	05/17/2004	Pierro, Francis	0.28
	05/17/2004	Band Office	0.25
	05/17/2004	Entrepreneur Center	0.26
	05/27/2004	School	0.24
	05/27/2004	Pierro, Francis	0.29
	05/27/2004	Band Office	0.24
	05/27/2004	Entrepreneur Center	0.19
	05/31/2004	School	0.27
	05/31/2004	Pierro, Francis	0.27
	05/31/2004	Band Office	0.19
	05/31/2004	Entrepreneur Center	0.22
	06/07/2004	School	0.17

	06/07/2004	Pierro, Francis	0.14
	06/07/2004	Band Office	0.42
	06/07/2004	Entrepreneur Center	0.27
	06/15/2004	Pierro, Francis	0.38
	06/15/2004	Band Office	0.32
	06/15/2004	Entrepreneur Center	0.18
*	06/15/2004 12:16	School	0.02
	06/22/2004	School	0.21
	06/22/2004	Pierro, Francis	0.22
	06/22/2004	Band Office	0.11
	06/22/2004	Entrepreneur Center	0.21
	06/29/2004	School	0.32
	06/29/2004	Pierro, Francis	0.31
	06/29/2004	Band Office	0.32
	06/29/2004	Entrepreneur Center	0.34
	07/05/2004 11:24	Pierro, Francis	0.35
	07/05/2004 11:30	Entrepreneur Center	0.37
	07/05/2004 11:40	Band Office	0.32
	07/05/2004 11:50	School	0.32
	07/15/2004 01:10	Pierro, Francis	0.24
	07/15/2004 01:16	Entrepreneur Center	0.42
	07/15/2004 01:23	Band Office	0.50
	07/15/2004 01:31	School	0.4
	07/19/2004 01:45	School	0.33
	07/19/2004 01:59	Band Office	0.39
	07/19/2004 02:09	Entrepreneur Center	0.37
	07/19/2004 02:16	Pierro, Francis	0.32
	07/27/2004 11:10	Pierro, Francis	0.34
	07/27/2004 11:17	Entrepreneur Center	0.23
	07/27/2004 11:24	Band Office	0.53
	07/27/2004 11:32	School	0.1
	08/03/2004 11:36	School	0.24
	08/03/2004 11:36	Pierro, Francis	0.26
	08/03/2004 11:42	Entrepreneur Center	0.23
	08/03/2004 11:51	Health Centre	0.30
	08/09/2004 11:54	Pierro, Francis	0.20
	08/09/2004 12:07	Entrepreneur Center	0.21
	08/09/2004 12:17	Health Centre	0.12

	08/09/2004 12:26	School	0.20
	08/17/2004 01:04	Health Centre	0.14
	08/17/2004 12:43	Entrepreneur Center	0.07
	08/17/2004 12:57	Pierro, Francis	0.07
*	08/17/2004 13:19	School	0.03
	08/23/2004 11:40	School	0.14
	08/23/2004 11:50	Health Centre	0.43
	08/23/2004 12:00	Entrepreneur Center	0.13
	08/23/2004 12:48	Pierro, Francis	0.33
	08/30/2004 12:48	Pierro, Francis	0.36
	08/30/2004 12:52	Entrepreneur Center	0.34
	08/30/2004 13:00	Health Centre	0.36
	08/30/2004 13:37	School	0.39
	09/07/2004 11:06	Pierro, Francis	0.19
	09/07/2004 11:10	Entrepreneur Center	0.29
	09/07/2004 11:23	School	0.67
	09/09/2004 11:15	Health Centre	0.23
	09/13/2004 01:17	Pierro, Francis	0.09
	09/13/2004 13:11	Entrepreneur Center	0.24
	09/21/2004 10:52	Entrepreneur Center	0.22
	09/21/2004 11:05	Pierro, Francis	0.20
	09/27/2004 11:17	Pierro, Francis	0.32
	09/27/2004 11:57	Entrepreneur Center	0.34
	10/05/2004 10:08	Entrepreneur Center	0.23
	10/05/2004 10:15	Pierro, Francis	0.22
	10/13/2004	Pierro, Francis	NT
	10/13/2004 11:16	Entrepreneur Center	0.44
	10/19/2004 11:16	Entrepreneur Center	0.42
	10/19/2004 11:22	Pierro, Francis	0.30
	10/25/2004 11:06	Pierro, Francis	0.26
	10/25/2004 11:10	Entrepreneur Center	0.22
	11/01/2004 10:37	School	0.09
	11/01/2004 10:45	Health Centre	0.08
	11/01/2004 10:51	Entrepreneur Center	0.12
	11/01/2004 11:04	Pierro, Francis	0.24
	11/09/2004 12:07	School	0.44
	11/09/2004 12:21	Pierro, Francis	0.39
	11/09/2004 14:17	Health Centre	0.21

	11/09/2004 14:25	Entrepreneur Center	0.35
	11/15/2004 11:25	Pierro, Francis	0.29
	11/15/2004 11:33	Entrepreneur Center	0.42
	11/15/2004 11:42	Health Centre	0.3
	11/15/2004 11:55	School	0.45
	11/25/2004 11:13	School	0.19
	11/25/2004 11:19	Health Centre	0.61
	11/25/2004 11:30	Entrepreneur Center	0.26
	11/25/2004 11:34	Pierro, Francis	0.2
	11/29/2004 10:23	Pierro, Francis	0.2
	11/29/2004 10:30	Entrepreneur Center	0.38
	11/29/2004 10:41	Health Centre	0.46
	11/29/2004 10:51	School	0.35
	12/06/2004 14:08	Entrepreneur Center	0.73
	12/07/2004 13:53	School	0.23
	12/07/2004 13:53	School	0.23
	12/07/2004 14:00	Health Centre	0.23
	12/07/2004 14:00	Health Centre	0.53
	12/07/2004 14:08	Entrepreneur Center	0.73
	12/07/2004 14:19	Pierro, Francis	0.35
	12/07/2004 14:19	Pierro, Francis	0.35
	12/13/2004 11:08	Pierro, Francis	0.34
	12/13/2004 11:08	Pierro, Francis	0.34
	12/13/2004 11:20	Entrepreneur Center	0.32
	12/13/2004 11:20	Entrepreneur Center	0.32
	12/13/2004 11:28	Health Centre	0.54
	12/13/2004 11:28	Health Centre	0.54
	12/13/2004 11:37	School	0.49
	12/13/2004 11:37	School	0.49
	12/22/2004 09:50	School	0.26
	12/22/2004 09:50	School	0.26
	12/22/2004 10:03	Health Centre	0.30
	12/22/2004 10:20	Entrepreneur Center	0.34
	12/22/2004 10:20	Entrepreneur Center	0.27
	12/22/2004 10:35	Pierro, Francis	0.27
	12/22/2004 10:35	Pierro, Francis	0.27
	12/22/2004 11:38	Health Centre	0.1
	12/30/2004 10:01	School	0.42

	12/30/2004 10:01	School	0.42
	12/30/2004 10:06	Health Centre	0.20
	12/30/2004 10:06	Health Centre	0.20
	12/30/2004 10:13	Entrepreneur Center	0.42
	12/30/2004 10:13	Entrepreneur Center	0.42
	12/30/2004 10:17	Pierro, Francis	0.60
	12/30/2004 10:17	Pierro, Francis	0.60

Table 5. Summary of routine chemical and physical results for drinking water in Wagmatcook (2004).

Sample Type	# Samples	# Detects	# Non-Detects	# Exceedances	Min.	Max.	Average	95th Percentile	Unit
Cadmium (total)	0	0	0	0	n/a	n/a	n/a		
Turbidity	93	93	0	1	0.06	91.6	1.53	1.9	NTU

Table 6. Results from routine chemical and physical samples for drinking water quality in Wagmatcook (2004). **Result:** P=present, A=absent, PR=presumptive, ND=not detected, OR=over range, OG=overgrown, NR=no result, NT=not tested "<" = less than detection limit shown, ">" = greater than upper range limit shown, "«" = less than number shown (Detected), "»" = greater than number shown (Detected), * Criteria Exceeded.

Outside Limits	Date	Sample Location	Turbidity (NTU)
*	07/15/2004 01:10	Pierro, Francis	91.6
	07/15/2004 01:16	Entrepreneur Centre	2.95
	07/15/2004 01:23	Band Office	0.90
	07/15/2004 01:31	School	0.43
	07/19/2004 01:45	School	1.65
	07/19/2004 01:59	Band Office	2.16
	07/19/2004 02:09	Entrepreneur Centre	0.97
	07/19/2004 02:16	Pierro, Francis	2.15
	07/27/2004 11:10	Pierro, Francis	1.57

	07/27/2004 11:17	Entrepreneur Centre	2.67
	07/27/2004 11:24	Band Office	1.14
	07/27/2004 11:32	School	1.25
	08/03/2004 11:36	Pierro, Francis	0.45
	08/03/2004 11:36	School	0.79
	08/03/2004 11:42	Entrepreneur Centre	0.19
	08/03/2004 11:51	Health Centre	0.10
	08/09/2004 11:54	Pierro, Francis	0.33
	08/09/2004 12:07	Entrepreneur Centre	0.47
	08/09/2004 12:17	Health Centre	0.18
	08/09/2004 12:26	School	0.66
	08/17/2004 01:04	Health Centre	0.40
	08/17/2004 12:43	Entrepreneur Centre	0.53
	08/17/2004 12:57	Pierro, Francis	0.68
	08/17/2004 13:19	School	0.60
	08/23/2004 11:40	School	0.58
	08/23/2004 11:50	Health Centre	0.15
	08/23/2004 12:00	Entrepreneur Centre	0.24
	08/23/2004 12:48	Pierro, Francis	0.29
	08/30/2004 12:48	Pierro, Francis	0.40
	08/30/2004 12:52	Entrepreneur Centre	0.36
	08/30/2004 13:00	Health Centre	0.57
	08/30/2004 13:37	School	0.33
	09/07/2004 11:06	Pierro, Francis	0.81
	09/07/2004 11:10	Entrepreneur Centre	0.42
	09/07/2004 11:23	School	0.41
	09/09/2004 11:15	Health Centre	0.30
	09/13/2004 01:17	Pierro, Francis	0.29
	09/13/2004 13:11	Entrepreneur Centre	0.16
	09/21/2004 10:52	Entrepreneur Centre	0.13
	09/21/2004 11:05	Pierro, Francis	0.11
	09/27/2004 11:17	Pierro, Francis	0.06
	09/27/2004 11:57	Entrepreneur Centre	0.15
	10/05/2004 10:08	Entrepreneur Centre	0.46
	10/05/2004 10:15	Pierro, Francis	0.12
	10/13/2004	Pierro, Francis	NT
	10/13/2004 11:16	Entrepreneur Centre	0.38
	10/19/2004 11:16	Entrepreneur Centre	0.33
	10/19/2004 11:22	Pierro, Francis	0.39

	10/25/2004 11:06	Pierro, Francis	0.15
	10/25/2004 11:10	Entrepreneur Centre	0.72
	11/01/2004 10:37	School	0.21
	11/01/2004 10:45	Health Centre	0.52
	11/01/2004 10:51	Entrepreneur Centre	0.28
	11/01/2004 11:04	Pierro, Francis	0.26
	11/09/2004 12:07	School	0.46
	11/09/2004 12:21	Pierro, Francis	1.38
	11/09/2004 14:17	Health Centre	0.23
	11/09/2004 14:25	Entrepreneur Centre	0.21
	11/15/2004 11:25	Pierro, Francis	0.66
	11/15/2004 11:33	Entrepreneur Centre	0.27
	11/15/2004 11:42	Health Centre	0.26
	11/15/2004 11:55	School	0.13
	11/25/2004 11:13	School	0.46
	11/25/2004 11:19	Health Centre	0.16
	11/25/2004 11:30	Entrepreneur Centre	0.43
	11/25/2004 11:34	Pierro, Francis	0.43
	11/29/2004 10:23	Pierro, Francis	0.44
	11/29/2004 10:30	Entrepreneur Centre	0.53
	11/29/2004 10:41	Health Centre	0.32
	11/29/2004 10:51	School	0.57
	12/06/2004 14:08	Entrepreneur Centre	0.26
	12/07/2004 13:53	School	0.19
	12/07/2004 13:53	School	0.19
	12/07/2004 14:00	Health Centre	0.19
	12/07/2004 14:00	Health Centre	0.20
	12/07/2004 14:08	Entrepreneur Centre	0.26
	12/07/2004 14:19	Pierro, Francis	0.27
	12/07/2004 14:19	Pierro, Francis	0.27
	12/13/2004 11:08	Pierro, Francis	0.98
	12/13/2004 11:08	Pierro, Francis	0.98
	12/13/2004 11:20	Entrepreneur Centre	0.43
	12/13/2004 11:20	Entrepreneur Centre	0.43
	12/13/2004 11:28	Health Centre	0.27
	12/13/2004 11:28	Health Centre	0.27
	12/13/2004 11:37	School	0.72
	12/13/2004 11:37	School	0.72
	12/22/2004 09:50	School	0.67

	12/22/2004 09:50	School	0.67
	12/22/2004 10:03	Health Centre	0.26
	12/22/2004 10:20	Entrepreneur Centre	0.56
	12/22/2004 10:20	Entrepreneur Centre	0.56
	12/22/2004 10:35	Pierro, Francis	0.56
	12/22/2004 10:35	Pierro, Francis	0.56
	12/22/2004 11:38	Health Centre	0.75
	12/30/2004 10:01	School	NT
	12/30/2004 10:06	Health Centre	NT
	12/30/2004 10:13	Entrepreneur Centre	NT
	12/30/2004 10:17	Pierro, Francis	NT

Table 7. Summary of drinking water quality sampling results for Wagmatcook in 2005.

Sample Type	# Samples	# Detects	# Non-Detects	# Exceedances	Min.	Max.	Average	Unit
Chlorine (free)	208	205	3	7	0	0.76	0.29	mg/L
E.coli	243	0	243	0	0	<1	0	MPN/100 mL
Total coliform	243	5	238	5	0	129.8	1.2	MPN/100 mL

Table 8. Results for *E. coli* counts for Wagmatcook in 2005. **Result:** P=present, A=absent, PR=presumptive, ND=not detected, OR=over range, OG=overgrown, NR=no result, NT=not tested "<" = less than detection limit shown, ">" = greater than upper range limit shown, "«" = less than number shown (Detected), "»" = greater than number shown (Detected), * Criteria Exceeded.

Outside	Date	Sample Location	E. coli (MPN/100 mL)

	01/05/2005 12:15	Pierro, Francis	0
	01/10/2005 11:07	Pierro, Francis	0
	01/10/2005 11:13	Entrepreneur Center	0
	01/10/2005 11:20	Health Centre	0
	01/10/2005 11:48	School	0
	01/18/2005 13:07	Pierro, Francis	0
	01/18/2005 13:14	Entrepreneur Center	0
	01/18/2005 13:22	Health Centre	0
	01/18/2005 13:33	School	0
	01/26/2005 11:10	Pierro, Francis	0
	01/26/2005 11:16	Entrepreneur Center	0
	01/26/2005 11:25	Health Centre	0
	01/26/2005 11:33	School	0
	02/02/2005 10:29	Health Centre	0
	02/02/2005 10:38	School	0
	02/02/2005 10:48	Entrepreneur Center	0
	02/02/2005 11:25	Pierro, Francis	0
	02/07/2005 10:40	Pierro, Francis	0
	02/07/2005 10:51	Entrepreneur Center	0
	02/07/2005 10:59	Health Centre	0
	02/07/2005 11:10	School	0
	02/08/2005	School	0
	02/08/2005	Pierro, Francis	0
	02/08/2005	Entrepreneur Center	0
	02/15/2005 10:43	Pierro, Francis	0
	02/15/2005 10:54	Entrepreneur Center	0
	02/15/2005 11:02	Health Centre	0
	02/15/2005 11:10	School	0
	02/22/2005 10:43	Pierro, Francis	0
	02/22/2005 10:59	Entrepreneur Center	0
	02/22/2005 11:10	Health Centre	0
	02/22/2005 11:15	School	0
	02/28/2005 12:10	School	0
	02/28/2005 12:21	Health Centre	0
	02/28/2005 12:29	Entrepreneur Center	0
	02/28/2005 12:35	Pierro, Francis	0
	03/07/2005	School	0

	03/07/2005	Pierro, Francis	0
	03/07/2005	Health Centre	0
	03/07/2005 11:43	Entrepreneur Center	0
	03/15/2005 11:01	School	0
	03/15/2005 11:12	Health Centre	0
	03/15/2005 11:23	Entrepreneur Center	0
	03/15/2005 11:30	Pierro, Francis	0
	03/22/2005 11:45	Pierro, Francis	0
	03/22/2005 11:51	Entrepreneur Center	0
	03/22/2005 12:06	Health Centre	0
	03/22/2005 12:12	School	0
	03/30/2005 10:50	Pierro, Francis	0
	03/30/2005 11:00	Entrepreneur Center	0
	03/30/2005 11:10	Health Centre	0
	03/30/2005 11:20	School	0
	04/04/2005 10:50	Pierro, Francis	0
	04/04/2005 10:58	Entrepreneur Center	0
	04/04/2005 11:05	Health Centre	0
	04/04/2005 11:16	School	0
	04/05/2005	School	<1
	04/05/2005	Pierro, Francis	<1
	04/05/2005	Health Centre	<1
	04/05/2005	Entrepreneur Center	<1
	04/11/2005 10:50	Health Centre	0
	04/11/2005 11:01	School	0
	04/11/2005 11:07	Pierro, Francis	0
	04/11/2005 11:16	Entrepreneur Center	0
	04/18/2005 11:28	Pierro, Francis	0
	04/18/2005 11:36	Health Centre	0
	04/18/2005 11:46	Entrepreneur Center	0
	04/18/2005 11:55	School	0
	04/25/2005 10:35	Pierro, Francis	0
	04/25/2005 10:45	Entrepreneur Center	0
	04/25/2005 10:55	Health Centre	0
	04/25/2005 11:04	School	0
	05/02/2005 10:23	Pierro, Francis	0
	05/02/2005 10:31	Entrepreneur Center	0

	05/02/2005 10:41	Health Centre	0
	05/02/2005 10:51	School	0
	05/04/2005 14:26	School	<1
	05/04/2005 14:26	Pierro, Francis	<1
	05/04/2005 14:26	Health Centre	<1
	05/04/2005 14:26	Entrepreneur Center	<1
	05/12/2005 10:04	School	0
	05/12/2005 10:12	Health Centre	0
	05/12/2005 10:20	Entrepreneur Center	0
	05/12/2005 10:30	Pierro, Francis	0
	05/16/2005 10:40	School	0
	05/16/2005 10:55	Health Centre	0
	05/16/2005 11:05	Entrepreneur Center	0
	05/16/2005 11:10	Pierro, Francis	0
	05/24/2005 10:43	Pierro, Francis	0
	05/24/2005 10:52	Entrepreneur Center	0
	05/24/2005 10:58	Health Centre	0
	05/24/2005 11:05	School	0
	05/31/2005	School	<1
	05/31/2005	Pierro, Francis	<1
	05/31/2005	Health Centre	<1
	05/31/2005	Entrepreneur Center	<1
	05/31/2005 10:29	Pierro, Francis	0
	05/31/2005 10:36	Entrepreneur Center	0
	05/31/2005 10:43	Health Centre	0
	05/31/2005 10:57	School	0
	06/07/2005 01:30	School	0
	06/07/2005 01:45	Health Centre	0
	06/07/2005 01:50	Entrepreneur Center	0
	06/07/2005 02:00	Pierro, Francis	0
	06/15/2005 11:54	Pierro, Francis	0
	06/15/2005 11:59	Entrepreneur Center	0
	06/15/2005 12:08	Health Centre	0
	06/15/2005 12:19	School	0
	06/22/2005 11:13	Pierro, Francis	0
	06/22/2005 11:25	Entrepreneur Center	0
	06/22/2005 11:37	Health Centre	0

	06/22/2005 11:41	School	0
	06/28/2005 11:58	Pierro, Francis	0
	06/28/2005 12:04	Entrepreneur Center	0
	06/28/2005 12:12	Health Centre	0
	06/28/2005 12:24	School	0
	07/04/2005 01:06	Health Centre	0
	07/04/2005 01:15	School	0
	07/04/2005 12:47	Pierro, Francis	0
	07/04/2005 12:58	Entrepreneur Center	0
	07/06/2005	School	<1
	07/06/2005	Pierro, Francis	<1
	07/06/2005	Health Centre	<1
	07/06/2005	Entrepreneur Center	<1
	07/11/2005 01:02	Health Centre	0
	07/11/2005 01:09	School	0
	07/11/2005 12:47	Entrepreneur Center	0
	07/11/2005 12:53	Pierro, Francis	0
	07/20/2005 11:24	Pierro, Francis	0
	07/20/2005 11:24	Entrepreneur Center	0
	07/20/2005 11:39	Health Centre	0
	07/20/2005 11:53	School	0
	07/26/2005 11:16	Pierro, Francis	0
	07/26/2005 11:22	Entrepreneur Center	0
	07/26/2005 11:29	Health Centre	0
	07/26/2005 11:38	School	0
	08/04/2005 11:54	Pierro, Francis	0
	08/04/2005 12:02	Entrepreneur Center	0
	08/04/2005 12:08	Health Centre	0
	08/04/2005 12:16	School	0
	08/08/2005 11:13	Pierro, Francis	0
	08/08/2005 11:23	Entrepreneur Center	0
	08/08/2005 11:30	Health Centre	0
	08/08/2005 11:38	School	0
	08/15/2005 10:41	Pierro, Francis	0
	08/15/2005 10:56	Entrepreneur Center	0
	08/15/2005 11:02	Health Centre	0
	08/15/2005 11:08	School	0

	08/22/2005 09:57	Pierro, Francis	0.0
	08/22/2005 10:06	Entrepreneur Center	0.0
	08/22/2005 11:18	Health Centre	0.0
	08/22/2005 11:27	School	0.0
	08/29/2005 12:30	Pierro, Francis	0
	08/29/2005 12:35	Entrepreneur Center	0
	08/29/2005 12:45	Health Centre	0
	08/29/2005 12:55	School	0
	09/07/2005	School	<1
	09/07/2005	Pierro, Francis	<1
	09/07/2005	Health Centre	<1
	09/07/2005	Entrepreneur Center	<1
	09/07/2005 10:30	Pierro, Francis	0.0
	09/07/2005 10:40	Entrepreneur Center	0.0
	09/07/2005 10:45	Health Centre	0.0
	09/07/2005 10:52	School	0.0
	09/12/2005 10:05	Pierro, Francis	0.0
	09/12/2005 10:10	Entrepreneur Center	0.0
	09/12/2005 10:20	Health Centre	0.0
	09/12/2005 10:25	School	0.0
	09/19/2005 10:21	Health Centre	0.0
	09/19/2005 10:40	Pierro, Francis	0.0
	09/19/2005 10:48	Entrepreneur Center	0.0
	09/19/2005 10:58	School	0.0
	09/28/2005 03:10	Pierro, Francis	0.0
	09/28/2005 03:17	Entrepreneur Center	0.0
	09/28/2005 03:27	School	0.0
	09/28/2005 03:35	Health Centre	0.0
	10/03/2005 10:32	Pierro, Francis	0.0
	10/03/2005 10:40	Entrepreneur Center	0.0
	10/03/2005 10:47	Health Centre	0.0
	10/03/2005 10:54	School	0.0
	10/12/2005 09:30	School	0.0
	10/12/2005 09:45	Health Centre	0.0
	10/12/2005 09:51	Entrepreneur Center	0.0
	10/12/2005 09:56	Pierro, Francis	0.0
	10/16/2005 10:55	Health Centre	0.0

	10/17/2005	School	<1
	10/17/2005	Pierro, Francis	<1
	10/17/2005	Health Centre	<1
	10/17/2005	Entrepreneur Center	<1
	10/18/2005 10:18	Entrepreneur Center	0.0
	10/18/2005 10:23	Pierro, Francis	0.0
	10/18/2005 10:28	Health Centre	0.0
	10/18/2005 10:36	School	0.0
	10/24/2005 10:45	Pierro, Francis	0.0
	10/24/2005 10:54	Entrepreneur Center	0.0
	10/24/2005 10:59	Health Centre	0.0
	10/24/2005 11:05	School	0.0
	10/31/2005 10:20	Pierro, Francis	0.0
	10/31/2005 10:29	Entrepreneur Center	0.0
	10/31/2005 10:35	Health Centre	0.0
	10/31/2005 10:43	School	0.0
	11/07/2005 11:03	Pierro, Francis	0.0
	11/07/2005 11:10	Entrepreneur Center	0.0
	11/07/2005 11:20	Health Centre	0.0
	11/07/2005 11:31	School	0.0
	11/16/2005 10:39	Pierro, Francis	0.0
	11/16/2005 10:46	Entrepreneur Center	0.0
	11/16/2005 11:08	School	0.0
	11/22/2005 11:27	School	0.0
	11/22/2005 11:37	Health Centre	0.0
	11/22/2005 11:47	Entrepreneur Center	0.0
	11/22/2005 11:49	Pierro, Francis	0.0
	11/29/2005 10:30	Entrepreneur Center	0.0
	11/29/2005 10:40	Health Centre	0.0
	11/29/2005 10:48	School	0.0
	11/29/2005 10:56	Pierro, Francis	0.0
	12/05/2005	School	<1
	12/05/2005	Pierro, Francis	<1
	12/05/2005	Health Centre	<1
	12/05/2005	Band Office	<1
	12/06/2005 11:33	Health Centre	0.0
	12/06/2005 11:44	School	0.0

	01/18/2005 13:22	Health Centre	0
	01/18/2005 13:33	School	0
	01/26/2005 11:10	Pierro, Francis	0
	01/26/2005 11:16	Entrepreneur Center	0
	01/26/2005 11:25	Health Centre	0
	01/26/2005 11:33	School	0
	02/02/2005 10:29	Health Centre	0
	02/02/2005 10:38	School	0
	02/02/2005 10:48	Entrepreneur Center	0
	02/02/2005 11:25	Pierro, Francis	0
	02/07/2005 10:40	Pierro, Francis	0
	02/07/2005 10:51	Entrepreneur Center	0
	02/07/2005 10:59	Health Centre	0
	02/07/2005 11:10	School	0
	02/08/2005	School	0
	02/08/2005	Pierro, Francis	0
	02/08/2005	Entrepreneur Center	0
	02/15/2005 10:43	Pierro, Francis	0
	02/15/2005 10:54	Entrepreneur Center	0
	02/15/2005 11:02	Health Centre	0
	02/15/2005 11:10	School	0
	02/22/2005 10:43	Pierro, Francis	0
	02/22/2005 10:59	Entrepreneur Center	0
	02/22/2005 11:10	Health Centre	0
	02/22/2005 11:15	School	0
	02/28/2005 12:10	School	0
	02/28/2005 12:21	Health Centre	0
	02/28/2005 12:29	Entrepreneur Center	0
	02/28/2005 12:35	Pierro, Francis	0
	03/07/2005	School	0
	03/07/2005	Pierro, Francis	0
	03/07/2005	Health Centre	0
	03/07/2005 11:43	Entrepreneur Center	0
	03/15/2005 11:01	School	0
	03/15/2005 11:12	Health Centre	0
	03/15/2005 11:23	Entrepreneur Center	0
	03/15/2005 11:30	Pierro, Francis	0
	03/22/2005 11:45	Pierro, Francis	0
	03/22/2005 11:51	Entrepreneur Center	0

	03/22/2005 12:06	Health Centre	0
	03/22/2005 12:12	School	0
	03/30/2005 10:50	Pierro, Francis	0
	03/30/2005 11:00	Entrepreneur Center	0
	03/30/2005 11:10	Health Centre	0
	03/30/2005 11:20	School	0
	04/04/2005 10:50	Pierro, Francis	0
	04/04/2005 10:58	Entrepreneur Center	0
	04/04/2005 11:05	Health Centre	0
	04/04/2005 11:16	School	0
	04/05/2005	School	<1
	04/05/2005	Pierro, Francis	<1
	04/05/2005	Health Centre	<1
	04/05/2005	Entrepreneur Center	<1
	04/11/2005 10:50	Health Centre	0
	04/11/2005 11:01	School	0
	04/11/2005 11:07	Pierro, Francis	0
	04/11/2005 11:16	Entrepreneur Center	0
	04/18/2005 11:28	Pierro, Francis	0
	04/18/2005 11:36	Health Centre	0
	04/18/2005 11:46	Entrepreneur Center	0
	04/18/2005 11:55	School	0
	04/25/2005 10:35	Pierro, Francis	0
	04/25/2005 10:45	Entrepreneur Center	0
	04/25/2005 10:55	Health Centre	0
	04/25/2005 11:04	School	0
	05/02/2005 10:23	Pierro, Francis	0
	05/02/2005 10:31	Entrepreneur Center	0
	05/02/2005 10:41	Health Centre	0
	05/02/2005 10:51	School	0
	05/04/2005 14:26	School	<1
	05/04/2005 14:26	Pierro, Francis	<1
	05/04/2005 14:26	Health Centre	<1
	05/04/2005 14:26	Entrepreneur Center	<1
	05/12/2005 10:04	School	0
	05/12/2005 10:12	Health Centre	0
	05/12/2005 10:20	Entrepreneur Center	0
	05/12/2005 10:30	Pierro, Francis	0
	05/16/2005 10:40	School	0

	05/16/2005 10:55	Health Centre	0
	05/16/2005 11:05	Entrepreneur Center	0
	05/16/2005 11:10	Pierro, Francis	0
	05/24/2005 10:43	Pierro, Francis	0
	05/24/2005 10:52	Entrepreneur Center	0
	05/24/2005 10:58	Health Centre	0
	05/24/2005 11:05	School	0
	05/31/2005	School	<1
	05/31/2005	Pierro, Francis	<1
	05/31/2005	Health Centre	<1
	05/31/2005	Entrepreneur Center	<1
	05/31/2005 10:29	Pierro, Francis	0
	05/31/2005 10:36	Entrepreneur Center	0
	05/31/2005 10:43	Health Centre	0
	05/31/2005 10:57	School	0
	06/07/2005 01:30	School	0
	06/07/2005 01:45	Health Centre	0
	06/07/2005 01:50	Entrepreneur Center	0
	06/07/2005 02:00	Pierro, Francis	0
	06/15/2005 11:54	Pierro, Francis	0
	06/15/2005 11:59	Entrepreneur Center	0
	06/15/2005 12:08	Health Centre	0
	06/15/2005 12:19	School	0
	06/22/2005 11:13	Pierro, Francis	0
	06/22/2005 11:25	Entrepreneur Center	0
	06/22/2005 11:37	Health Centre	0
	06/22/2005 11:41	School	0
	06/28/2005 11:58	Pierro, Francis	0
	06/28/2005 12:04	Entrepreneur Center	0
	06/28/2005 12:12	Health Centre	0
	06/28/2005 12:24	School	0
	07/04/2005 01:06	Health Centre	0
	07/04/2005 01:15	School	0
	07/04/2005 12:47	Pierro, Francis	0
	07/04/2005 12:58	Entrepreneur Center	0
	07/06/2005	School	<1
	07/06/2005	Pierro, Francis	<1
	07/06/2005	Health Centre	<1
	07/06/2005	Entrepreneur Center	<1

	07/11/2005 01:02	Health Centre	0
	07/11/2005 01:09	School	0
	07/11/2005 12:47	Entrepreneur Center	0
	07/11/2005 12:53	Pierro, Francis	0
	07/20/2005 11:24	Pierro, Francis	0
	07/20/2005 11:24	Entrepreneur Center	0
	07/20/2005 11:39	Health Centre	0
	07/20/2005 11:53	School	0
*	07/26/2005 11:16	Pierro, Francis	94.5
	07/26/2005 11:22	Entrepreneur Center	0
	07/26/2005 11:29	Health Centre	0
	07/26/2005 11:38	School	0
*	08/04/2005 11:54	Pierro, Francis	3
	08/04/2005 12:02	Entrepreneur Center	0
	08/04/2005 12:08	Health Centre	0
	08/04/2005 12:16	School	0
*	08/08/2005 11:13	Pierro, Francis	129.8
	08/08/2005 11:23	Entrepreneur Center	0
	08/08/2005 11:30	Health Centre	0
	08/08/2005 11:38	School	0
*	08/15/2005 10:41:00 AM	Pierro, Francis	17.8
	08/15/2005 10:56	Entrepreneur Center	0
	08/15/2005 11:02	Health Centre	0
	08/15/2005 11:08	School	0
	08/22/2005 09:57	Pierro, Francis	0.0
	08/22/2005 10:06	Entrepreneur Center	0.0
	08/22/2005 11:18	Health Centre	0.0
	08/22/2005 11:27	School	0.0
*	08/29/2005 12:30	Pierro, Francis	3.1
	08/29/2005 12:35	Entrepreneur Center	0
	08/29/2005 12:45	Health Centre	0
	08/29/2005 12:55	School	0
	09/07/2005	School	<1
	09/07/2005	Pierro, Francis	<1
	09/07/2005	Health Centre	<1
	09/07/2005	Entrepreneur Center	<1
	09/07/2005 10:30	Pierro, Francis	0.0
	09/07/2005 10:40	Entrepreneur Center	0.0
	09/07/2005 10:45	Health Centre	0.0

09/07/2005 10:52	School	0.0
09/12/2005 10:05	Pierro, Francis	0.0
09/12/2005 10:10	Entrepreneur Center	0.0
09/12/2005 10:20	Health Centre	0.0
09/12/2005 10:25	School	0.0
09/19/2005 10:21	Health Centre	0.0
09/19/2005 10:40	Pierro, Francis	0.0
09/19/2005 10:48	Entrepreneur Center	0.0
09/19/2005 10:58	School	0.0
09/28/2005 03:10	Pierro, Francis	0.0
09/28/2005 03:17	Entrepreneur Center	0.0
09/28/2005 03:27	School	0.0
09/28/2005 03:35	Health Centre	0.0
10/03/2005 10:32	Pierro, Francis	0.0
10/03/2005 10:40	Entrepreneur Center	0.0
10/03/2005 10:47	Health Centre	0.0
10/03/2005 10:54	School	0.0
10/12/2005 09:30	School	0.0
10/12/2005 09:45	Health Centre	0.0
10/12/2005 09:51	Entrepreneur Center	0.0
10/12/2005 09:56	Pierro, Francis	0.0
10/16/2005 10:55	Health Centre	0.0
10/17/2005	School	<1
10/17/2005	Pierro, Francis	<1
10/17/2005	Health Centre	<1
10/17/2005	Entrepreneur Center	<1
10/18/2005 10:18	Entrepreneur Center	0.0
10/18/2005 10:23	Pierro, Francis	0.0
10/18/2005 10:28	Health Centre	0.0
10/18/2005 10:36	School	0.0
10/24/2005 10:45	Pierro, Francis	0.0
10/24/2005 10:54	Entrepreneur Center	0.0
10/24/2005 10:59	Health Centre	0.0
10/24/2005 11:05	School	0.0
10/31/2005 10:20	Pierro, Francis	0.0
10/31/2005 10:29	Entrepreneur Center	0.0
10/31/2005 10:35	Health Centre	0.0
10/31/2005 10:43	School	0.0
11/07/2005 11:03	Pierro, Francis	0.0

11/07/2005 11:10	Entrepreneur Center	0.0
11/07/2005 11:20	Health Centre	0.0
11/07/2005 11:31	School	0.0
11/16/2005 10:39	Pierro, Francis	0.0
11/16/2005 10:46	Entrepreneur Center	0.0
11/16/2005 11:08	School	0.0
11/22/2005 11:27	School	0.0
11/22/2005 11:37	Health Centre	0.0
11/22/2005 11:47	Entrepreneur Center	0.0
11/22/2005 11:49	Pierro, Francis	0.0
11/29/2005 10:30	Entrepreneur Center	0.0
11/29/2005 10:40	Health Centre	0.0
11/29/2005 10:48	School	0.0
11/29/2005 10:56	Pierro, Francis	0.0
12/05/2005	School	<1
12/05/2005	Pierro, Francis	<1
12/05/2005	Health Centre	<1
12/05/2005	Band Office	<1
12/06/2005 11:33	Health Centre	0.0
12/06/2005 11:44	School	0.0
12/06/2005 11:51	Entrepreneur Center	0.0
12/06/2005 11:57	Pierro, Francis	0.0
12/13/2005 10:09	School	0.0
12/13/2005 10:20	Health Centre	0.0
12/13/2005 10:30	Entrepreneur Center	0.0
12/13/2005 10:35	Pierro, Francis	0.0
12/21/2005 01:10	Entrepreneur Center	0.0
12/21/2005 01:19	Health Centre	0.0
12/21/2005 01:30	School	0.0
12/21/2005 12:57	Pierro, Francis	0.0
12/29/2005 10:20	School	0.0
12/29/2005 10:30	Health Centre	0.0
12/29/2005 11:00	Pierro, Francis	0.0
12/29/2005 11:10	Entrepreneur Center	0.0

Table 10. Chlorine results for Wagmatcook in 2005.

Outside Limits	Date	Sample Location	Chlorine (free) mg/L
	01/05/2005 11:48	School	0.49
	01/05/2005 11:57	Health Centre	0.30
	01/05/2005 12:04	Entrepreneur Center	0.30
	01/05/2005 12:15	Pierro, Francis	0.54
	01/10/2005 11:07	Pierro, Francis	0.31
	01/10/2005 11:13	Entrepreneur Center	0.44
	01/10/2005 11:20	Health Centre	0.70
	01/10/2005 11:48	School	0.42
	01/18/2005 13:07	Pierro, Francis	0.26
	01/18/2005 13:14	Entrepreneur Center	0.16
	01/18/2005 13:22	Health Centre	0.45
	01/18/2005 13:33	School	0.33
	01/26/2005 11:10	Pierro, Francis	0.37
	01/26/2005 11:16	Entrepreneur Center	0.76
	01/26/2005 11:25	Health Centre	0.19
	01/26/2005 11:33	School	0.29
	02/02/2005 10:29	Health Centre	0.39
	02/02/2005 10:38	School	0.37
	02/02/2005 10:48	Entrepreneur Center	0.36
	02/02/2005 11:25	Pierro, Francis	0.32
	02/07/2005 10:40	Pierro, Francis	0.37
	02/07/2005 10:51	Entrepreneur Center	0.42
	02/07/2005 10:59	Health Centre	0.18
	02/07/2005 11:10	School	0.29
	02/15/2005 10:43	Pierro, Francis	0.34
	02/15/2005 10:54	Entrepreneur Center	0.32
	02/15/2005 11:02	Health Centre	0.34
	02/15/2005 11:10	School	0.24
	02/22/2005 10:43	Pierro, Francis	0.24
	02/22/2005 10:59	Entrepreneur Center	0.32
	02/22/2005 11:10	Health Centre	0.43
	02/22/2005 11:15	School	0.38
	02/28/2005 12:10	School	0.27
	02/28/2005 12:21	Health Centre	0.27
	02/28/2005 12:29	Entrepreneur Center	0.23
	02/28/2005 12:35	Pierro, Francis	0.17

	03/07/2005	School	0.40
	03/07/2005	Pierro, Francis	0.30
	03/07/2005	Health Centre	0.26
	03/07/2005 11:43	Entrepreneur Center	0.26
	03/15/2005 11:01	School	0.26
	03/15/2005 11:12	Health Centre	0.55
	03/15/2005 11:23	Entrepreneur Center	0.33
	03/15/2005 11:30	Pierro, Francis	0.37
	03/22/2005 11:45	Pierro, Francis	0.52
	03/22/2005 11:51	Entrepreneur Center	0.21
	03/22/2005 12:06	Health Centre	0.46
	03/22/2005 12:12	School	0.43
	03/30/2005 10:50	Pierro, Francis	0.22
	03/30/2005 11:00	Entrepreneur Center	0.35
	03/30/2005 11:10	Health Centre	0.31
	03/30/2005 11:20	School	0.35
	04/04/2005 10:50	Pierro, Francis	0.21
	04/04/2005 10:58	Entrepreneur Center	0.31
	04/04/2005 11:05	Health Centre	0.40
	04/04/2005 11:16	School	0.26
	04/11/2005 10:50	Health Centre	0.30
	04/11/2005 11:01	School	0.26
	04/11/2005 11:07	Pierro, Francis	0.27
	04/11/2005 11:16	Entrepreneur Center	0.27
	04/18/2005 11:28	Pierro, Francis	0.27
	04/18/2005 11:36	Health Centre	0.28
	04/18/2005 11:46	Entrepreneur Center	0.33
	04/18/2005 11:55	School	0.28
	04/25/2005 10:35	Pierro, Francis	0.28
	04/25/2005 10:45	Entrepreneur Center	0.31
	04/25/2005 10:55	Health Centre	0.35
	04/25/2005 11:04	School	0.32
	05/02/2005 10:23	Pierro, Francis	0.20
	05/02/2005 10:31	Entrepreneur Center	0.22
	05/02/2005 10:41	Health Centre	0.24
	05/02/2005 10:51	School	0.28
	05/12/2005 10:04	School	0.44
	05/12/2005 10:12	Health Centre	0.40

	05/12/2005 10:20	Entrepreneur Center	0.54
	05/12/2005 10:30	Pierro, Francis	0.55
	05/16/2005 10:40	School	0.18
	05/16/2005 10:55	Health Centre	0.40
	05/16/2005 11:05	Entrepreneur Center	0.37
	05/16/2005 11:10	Pierro, Francis	0.18
	05/24/2005 10:43	Pierro, Francis	0.23
	05/24/2005 10:52	Entrepreneur Center	0.16
	05/24/2005 10:58	Health Centre	0.19
	05/24/2005 11:05	School	0.24
	05/31/2005 10:29	Pierro, Francis	0.24
	05/31/2005 10:36	Entrepreneur Center	0.25
	05/31/2005 10:43	Health Centre	0.43
	05/31/2005 10:57	School	0.19
	06/07/2005 01:30	School	0.38
	06/07/2005 01:45	Health Centre	0.38
	06/07/2005 01:50	Entrepreneur Center	0.20
	06/07/2005 02:00	Pierro, Francis	0.48
	06/15/2005 11:54	Pierro, Francis	0.17
*	06/15/2005 11:59	Entrepreneur Center	0.04
	06/15/2005 12:08	Health Centre	0.15
	06/15/2005 12:19	School	0.25
	06/22/2005 11:13	Pierro, Francis	0.14
*	06/22/2005 11:25	Entrepreneur Center	0
	06/22/2005 11:37	Health Centre	0.23
	06/22/2005 11:41	School	0.19
	06/28/2005 11:58	Pierro, Francis	0.17
	06/28/2005 12:04	Entrepreneur Center	0.28
	06/28/2005 12:12	Health Centre	0.21
	06/28/2005 12:24	School	0.18
	07/04/2005 01:06	Health Centre	0.42
	07/04/2005 01:15	School	0.53
	07/04/2005 12:47	Pierro, Francis	0.57
	07/04/2005 12:58	Entrepreneur Center	0.50
	07/11/2005 01:02	Health Centre	0.23
	07/11/2005 01:09	School	0.18
	07/11/2005 12:47	Entrepreneur Center	0.35

	07/11/2005 12:53	Pierro, Francis	0.42
	07/20/2005 11:24	Pierro, Francis	0.23
	07/20/2005 11:24	Entrepreneur Center	0.23
	07/20/2005 11:39	Health Centre	0.22
	07/20/2005 11:53	School	0.29
	07/26/2005 11:16	Pierro, Francis	0.22
	07/26/2005 11:22	Entrepreneur Center	0.29
	07/26/2005 11:29	Health Centre	0.23
	07/26/2005 11:38	School	0.19
	08/04/2005 11:54	Pierro, Francis	0.19
	08/04/2005 12:02	Entrepreneur Center	0.21
	08/04/2005 12:08	Health Centre	0.18
	08/04/2005 12:16	School	0.30
	08/08/2005 11:13	Pierro, Francis	0.10
	08/08/2005 11:23	Entrepreneur Center	0.24
	08/08/2005 11:30	Health Centre	0.27
*	08/08/2005 11:38	School	0
	08/15/2005 10:41	Pierro, Francis	0.29
	08/15/2005 10:56	Entrepreneur Center	0.23
	08/15/2005 11:02	Health Centre	0.36
	08/15/2005 11:08	School	0.20
	08/22/2005 09:57	Pierro, Francis	0.38
	08/22/2005 10:06	Entrepreneur Center	0.20
	08/22/2005 11:18	Health Centre	0.13
*	08/22/2005 11:27	School	0.01
	08/29/2005 12:30	Pierro, Francis	0.37
	08/29/2005 12:35	Entrepreneur Center	0.31
	08/29/2005 12:45	Health Centre	0.33
	08/29/2005 12:55	School	0.34
	09/07/2005 10:30	Pierro, Francis	0.11
	09/07/2005 10:40	Entrepreneur Center	0.17
	09/07/2005 10:45	Health Centre	0.35
	09/07/2005 10:52	School	0.33
	09/12/2005 10:05	Pierro, Francis	0.24
	09/12/2005 10:10	Entrepreneur Center	0.23
	09/12/2005 10:20	Health Centre	0.20
	09/12/2005 10:25	School	0.24
	09/19/2005 10:21	Health Centre	0.30

	09/19/2005 10:40	Pierro, Francis	0.35
	09/19/2005 10:48	Entrepreneur Center	0.30
	09/19/2005 10:58	School	0.34
	09/28/2005 03:10	Pierro, Francis	0.24
	09/28/2005 03:17	Entrepreneur Center	0.33
	09/28/2005 03:27	School	0.32
	09/28/2005 03:35	Health Centre	0.30
	10/03/2005 10:32	Pierro, Francis	0.20
	10/03/2005 10:40	Entrepreneur Center	0.17
	10/03/2005 10:47	Health Centre	0.16
	10/03/2005 10:54	School	0.18
	10/12/2005 09:30	School	0.33
	10/12/2005 09:45	Health Centre	0.34
	10/12/2005 09:51	Entrepreneur Center	0.30
	10/12/2005 09:56	Pierro, Francis	0.37
	10/16/2005 10:55	Health Centre	0.38
	10/18/2005 10:18	Entrepreneur Center	0.26
	10/18/2005 10:23	Pierro, Francis	0.25
	10/18/2005 10:28	Health Centre	0.61
	10/18/2005 10:36	School	0.27
	10/24/2005 10:45	Pierro, Francis	0.34
	10/24/2005 10:54	Entrepreneur Center	0.48
	10/24/2005 10:59	Health Centre	0.49
	10/24/2005 11:05	School	0.33
	10/31/2005 10:20	Pierro, Francis	0.21
	10/31/2005 10:29	Entrepreneur Center	0.23
	10/31/2005 10:35	Health Centre	0.26
	10/31/2005 10:43	School	0.45
	11/07/2005 11:03	Pierro, Francis	0.20
	11/07/2005 11:10	Entrepreneur Center	0.22
	11/07/2005 11:20	Health Centre	0.22
	11/07/2005 11:31	School	0.21
	11/16/2005 10:39	Pierro, Francis	0.31
	11/16/2005 10:46	Entrepreneur Center	0.32
	11/16/2005 11:08	School	0.32
	11/22/2005 11:27	School	0.24
	11/22/2005 11:37	Health Centre	0.18
	11/22/2005 11:47	Entrepreneur Center	0.20

	11/22/2005 11:49	Pierro, Francis	0.25
	11/29/2005 10:30	Entrepreneur Center	0.23
	11/29/2005 10:40	Health Centre	0.26
	11/29/2005 10:48	School	0.25
	11/29/2005 10:56	Pierro, Francis	0.23
	12/06/2005 11:33	Health Centre	0.24
	12/06/2005 11:44	School	0.27
	12/06/2005 11:51	Entrepreneur Center	0.27
	12/06/2005 11:57	Pierro, Francis	0.23
	12/13/2005 10:09	School	0.21
	12/13/2005 10:20	Health Centre	0.33
	12/13/2005 10:30	Entrepreneur Center	0.27
	12/13/2005 10:35	Pierro, Francis	0.23
	12/21/2005 01:10	Entrepreneur Center	0.22
	12/21/2005 01:19	Health Centre	0.17
	12/21/2005 01:30	School	0.07
	12/21/2005 12:57	Pierro, Francis	0.14
*	12/29/2005 10:20	School	0.00
	12/29/2005 10:30	Health Centre	0.36
*	12/29/2005 11:00	Pierro, Francis	0.04
*	12/29/2005 11:10	Entrepreneur Center	0.04

Comments:

1 Health Canada was contacted concerning the high MPN for Total Coliforms

Table 11. Summary of routine chemical and physical results for drinking water in Wagmatcook (2005).

Sample Type	# Samples	# Detects	# Non-Detects	# Exceedances	Min.	Max.	Average	95th Percentile	Unit
Cadmium	0	0	0	0	n/a	n/a	n/a		
Turbidity	208	208	0	0	0.06	4.7	0.38	1.12	NTU

Table 12. Results from routine chemical and physical samples for drinking water quality in Wagmatcook (2005). **Result:** P=present, A=absent, PR=presumptive, ND=not detected, OR=over range, OG=overgrown, NR=no result, NT=not tested "<" = less than detection limit shown, ">" = greater than upper range limit shown, "«" = less than number shown

(Detected), "»" = greater than number shown (Detected), * Criteria Exceeded.

Outside Limits	Date	Sample Location	Turbidity NTU
	01/05/2005 11:48	School	0.64
	01/05/2005 11:57	Health Centre	0.17
	01/05/2005 12:04	Entrepreneur Center	0.38
	01/05/2005 12:15	Pierro, Francis	0.58
	01/10/2005 11:07	Pierro, Francis	0.17
	01/10/2005 11:13	Entrepreneur Center	0.34
	01/10/2005 11:20	Health Centre	0.28
	01/10/2005 11:48	School	0.53
	01/18/2005 13:07	Pierro, Francis	0.12
	01/18/2005 13:14	Entrepreneur Center	0.18
	01/18/2005 13:22	Health Centre	0.32
	01/18/2005 13:33	School	0.14
	01/26/2005 11:10	Pierro, Francis	0.41
	01/26/2005 11:16	Entrepreneur Center	0.16
	01/26/2005 11:25	Health Centre	0.17
	01/26/2005 11:33	School	0.80
	02/02/2005 10:29	Health Centre	0.18
	02/02/2005 10:38	School	0.37
	02/02/2005 10:48	Entrepreneur Center	0.22
	02/02/2005 11:25	Pierro, Francis	0.53
	02/07/2005 10:40	Pierro, Francis	0.12
	02/07/2005 10:51	Entrepreneur Center	0.16
	02/07/2005 10:59	Health Centre	0.58
	02/07/2005 11:10	School	0.32
	02/15/2005 10:43	Pierro, Francis	0.28
	02/15/2005 10:54	Entrepreneur Center	0.90
	02/15/2005 11:02	Health Centre	0.58
	02/15/2005 11:10	School	0.71
	02/22/2005 10:43	Pierro, Francis	0.17
	02/22/2005 10:59	Entrepreneur Center	0.36
	02/22/2005 11:10	Health Centre	0.50
	02/22/2005 11:15	School	0.09
	02/28/2005 12:10	School	0.22
	02/28/2005 12:21	Health Centre	0.37

	02/28/2005 12:29	Entrepreneur Center	0.23
	02/28/2005 12:35	Pierro, Francis	0.44
	03/07/2005	Health Centre	0.36
	03/07/2005	Pierro, Francis	0.23
	03/07/2005	School	0.60
	03/07/2005 11:43	Entrepreneur Center	0.20
	03/15/2005 11:01	School	0.32
	03/15/2005 11:12	Health Centre	0.18
	03/15/2005 11:23	Entrepreneur Center	0.42
	03/15/2005 11:30	Pierro, Francis	0.58
	03/22/2005 11:45	Pierro, Francis	0.13
	03/22/2005 11:51	Entrepreneur Center	0.19
	03/22/2005 12:06	Health Centre	0.12
	03/22/2005 12:12	School	0.15
	03/30/2005 10:50	Pierro, Francis	1.24
	03/30/2005 11:00	Entrepreneur Center	1.26
	03/30/2005 11:10	Health Centre	0.91
	03/30/2005 11:20	School	1.27
	04/04/2005 10:50	Pierro, Francis	0.36
	04/04/2005 10:58	Entrepreneur Center	0.33
	04/04/2005 11:05	Health Centre	0.10
	04/04/2005 11:16	School	0.16
	04/11/2005 10:50	Health Centre	0.68
	04/11/2005 11:01	School	0.40
	04/11/2005 11:07	Pierro, Francis	0.26
	04/11/2005 11:16	Entrepreneur Center	0.39
	04/18/2005 11:28	Pierro, Francis	0.18
	04/18/2005 11:36	Health Centre	0.18
	04/18/2005 11:46	Entrepreneur Center	0.63
	04/18/2005 11:55	School	0.10
	04/25/2005 10:35	Pierro, Francis	0.13
	04/25/2005 10:45	Entrepreneur Center	0.16
	04/25/2005 10:55	Health Centre	0.11
	04/25/2005 11:04	School	0.13
	05/02/2005 10:23	Pierro, Francis	0.61
	05/02/2005 10:31	Entrepreneur Center	0.16
	05/02/2005 10:41	Health Centre	0.77
	05/02/2005 10:51	School	0.78
	05/12/2005 10:04	School	0.89

	05/12/2005 10:12	Health Centre	0.44
	05/12/2005 10:20	Entrepreneur Center	1.22
	05/12/2005 10:30	Pierro, Francis	0.10
	05/16/2005 10:40	School	0.13
	05/16/2005 10:55	Health Centre	0.16
	05/16/2005 11:05	Entrepreneur Center	0.21
	05/16/2005 11:10	Pierro, Francis	0.24
	05/24/2005 10:43	Pierro, Francis	0.21
	05/24/2005 10:52	Entrepreneur Center	0.09
	05/24/2005 10:58	Health Centre	0.26
	05/24/2005 11:05	School	0.29
	05/31/2005 10:29	Pierro, Francis	0.20
	05/31/2005 10:36	Entrepreneur Center	0.11
	05/31/2005 10:43	Health Centre	0.50
	05/31/2005 10:57	School	0.76
	06/07/2005 01:30	School	0.10
	06/07/2005 01:45	Health Centre	0.41
	06/07/2005 01:50	Entrepreneur Center	0.76
	06/07/2005 02:00	Pierro, Francis	0.12
	06/15/2005 11:54	Pierro, Francis	0.10
	06/15/2005 11:59	Entrepreneur Center	0.58
	06/15/2005 12:08	Health Centre	0.16
	06/15/2005 12:19	School	0.23
	06/22/2005 11:13	Pierro, Francis	0.30
	06/22/2005 11:25	Entrepreneur Center	0.20
	06/22/2005 11:37	Health Centre	0.62
	06/22/2005 11:41	School	0.18
	06/28/2005 11:58	Pierro, Francis	0.26
	06/28/2005 12:04	Entrepreneur Center	0.16
	06/28/2005 12:12	Health Centre	0.30
	06/28/2005 12:24	School	0.11
	07/04/2005 01:06	Health Centre	0.40
	07/04/2005 01:15	School	0.33
	07/04/2005 12:47	Pierro, Francis	0.21
	07/04/2005 12:58	Entrepreneur Center	0.35
	07/11/2005 01:02	Health Centre	0.24
	07/11/2005 01:09	School	0.53
	07/11/2005 12:47	Entrepreneur Center	0.13
	07/11/2005 12:53	Pierro, Francis	0.46

	07/20/2005 11:24	Entrepreneur Center	0.13
	07/20/2005 11:24	Pierro, Francis	0.14
	07/20/2005 11:39	Health Centre	0.12
	07/20/2005 11:53	School	0.15
	07/26/2005 11:16	Pierro, Francis	0.10
	07/26/2005 11:22	Entrepreneur Center	0.23
	07/26/2005 11:29	Health Centre	0.15
	07/26/2005 11:38	School	0.10
	08/04/2005 11:54	Pierro, Francis	0.63
	08/04/2005 12:02	Entrepreneur Center	0.08
	08/04/2005 12:08	Health Centre	0.27
	08/04/2005 12:16	School	0.06
	08/08/2005 11:13	Pierro, Francis	0.55
	08/08/2005 11:23	Entrepreneur Center	1.23
	08/08/2005 11:30	Health Centre	0.39
	08/08/2005 11:38	School	4.70
	08/15/2005 10:41	Pierro, Francis	2.07
	08/15/2005 10:56	Entrepreneur Center	0.10
	08/15/2005 11:02	Health Centre	0.45
	08/15/2005 11:08	School	0.52
	08/22/2005 09:57	Pierro, Francis	0.32
	08/22/2005 10:06	Entrepreneur Center	0.41
	08/22/2005 11:18	Health Centre	0.25
	08/22/2005 11:27	School	0.19
	08/29/2005 12:30	Pierro, Francis	1.23
	08/29/2005 12:35	Entrepreneur Center	1.20
	08/29/2005 12:45	Health Centre	0.10
	08/29/2005 12:55	School	0.89
	09/07/2005 10:30	Pierro, Francis	0.24
	09/07/2005 10:40	Entrepreneur Center	0.12
	09/07/2005 10:45	Health Centre	0.51
	09/07/2005 10:52	School	0.24
	09/12/2005 10:05	Pierro, Francis	0.38
	09/12/2005 10:10	Entrepreneur Center	0.17
	09/12/2005 10:20	Health Centre	0.38
	09/12/2005 10:25	School	0.47
	09/19/2005 10:21	Health Centre	0.93
	09/19/2005 10:40	Pierro, Francis	0.17
	09/19/2005 10:48	Entrepreneur Center	0.67

	09/19/2005 10:58	School	0.58
	09/28/2005 03:10	Pierro, Francis	0.35
	09/28/2005 03:17	Entrepreneur Center	0.20
	09/28/2005 03:27	School	0.30
	09/28/2005 03:35	Health Centre	0.38
	10/03/2005 10:32	Pierro, Francis	0.12
	10/03/2005 10:40	Entrepreneur Center	0.18
	10/03/2005 10:47	Health Centre	0.14
	10/03/2005 10:54	School	0.22
	10/12/2005 09:30	School	0.27
	10/12/2005 09:45	Health Centre	0.68
	10/12/2005 09:51	Entrepreneur Center	0.12
	10/12/2005 09:56	Pierro, Francis	0.19
	10/16/2005 10:55	Health Centre	0.27
	10/18/2005 10:18	Entrepreneur Center	0.18
	10/18/2005 10:23	Pierro, Francis	0.11
	10/18/2005 10:28	Health Centre	1.03
	10/18/2005 10:36	School	2.10
	10/24/2005 10:45	Pierro, Francis	0.23
	10/24/2005 10:54	Entrepreneur Center	0.47
	10/24/2005 10:59	Health Centre	0.10
	10/24/2005 11:05	School	0.13
	10/31/2005 10:20	Pierro, Francis	0.28
	10/31/2005 10:29	Entrepreneur Center	0.20
	10/31/2005 10:35	Health Centre	0.15
	10/31/2005 10:43	School	0.19
	11/07/2005 11:03	Pierro, Francis	0.26
	11/07/2005 11:10	Entrepreneur Center	0.39
	11/07/2005 11:20	Health Centre	0.11
	11/07/2005 11:31	School	0.10
	11/16/2005 10:39	Pierro, Francis	0.42
	11/16/2005 10:46	Entrepreneur Center	0.32
	11/16/2005 11:08	School	0.30
	11/22/2005 11:27	School	0.53
	11/22/2005 11:37	Health Centre	0.11
	11/22/2005 11:47	Entrepreneur Center	0.13
	11/22/2005 11:49	Pierro, Francis	0.37
	11/29/2005 10:30	Entrepreneur Center	0.29
	11/29/2005 10:40	Health Centre	0.50

	11/29/2005 10:48	School	0.15
	11/29/2005 10:56	Pierro, Francis	0.19
	12/06/2005 11:33	Health Centre	0.22
	12/06/2005 11:44	School	0.15
	12/06/2005 11:51	Entrepreneur Center	0.48
	12/06/2005 11:57	Pierro, Francis	0.21
	12/13/2005 10:09	School	0.23
	12/13/2005 10:20	Health Centre	0.17
	12/13/2005 10:30	Entrepreneur Center	0.16
	12/13/2005 10:35	Pierro, Francis	0.31
	12/21/2005 01:10	Entrepreneur Center	0.21
	12/21/2005 01:19	Health Centre	0.18
	12/21/2005 01:30	School	0.26
	12/21/2005 12:57	Pierro, Francis	0.38
	12/29/2005 10:20	School	0.28
	12/29/2005 10:30	Health Centre	0.46
	12/29/2005 11:00	Pierro, Francis	0.28
	12/29/2005 11:10	Entrepreneur Center	0.15

List of References

ADI Limited, Environmental Baseline Study Of Six Nova Scotia First Nations, November 1999.

Atlantic First Nations Drinking Water Safety Program, Health Canada, FNIHB, Community Based Water Monitors Training Package, August 2004.