

Unama'ki Institute of Natural Resources

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

Membertou

Drinking Water Quality Report

2004-2005

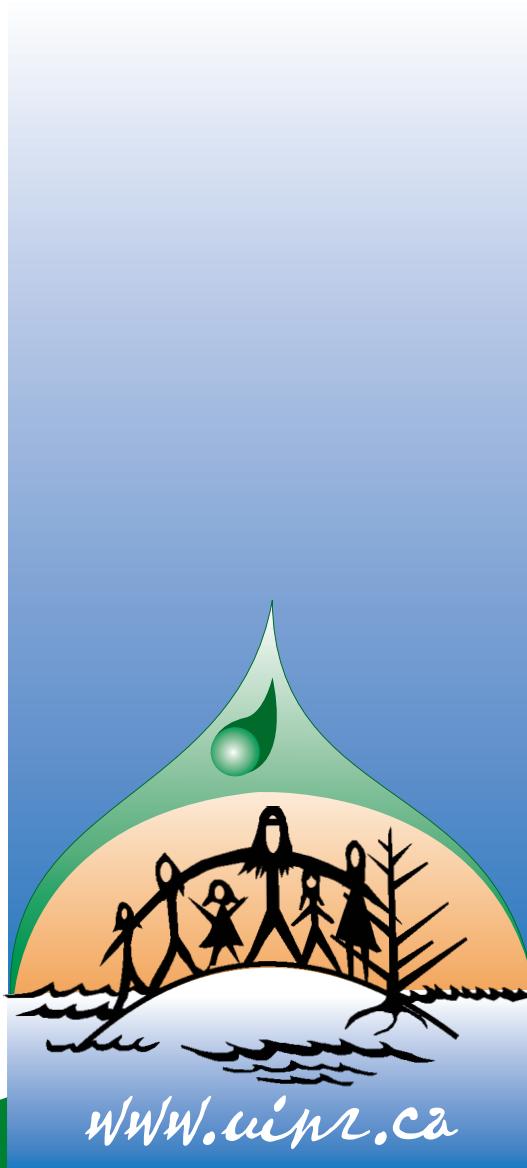


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Community Based Water Monitoring Program

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 in 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 provides on-reserve water quality sampling and analysis on a periodic basis. Lorraine Marshall is the Community Based Water Monitor responsible for testing the drinking water in Membertou. Lorraine samples Membertou's drinking water weekly throughout the year from 4 sample stations in Membertou (Figure 1).

Water Source for Membertou

Drinking water for Membertou First Nation comes from the Cape Breton Regional Municipality's central distribution system. This supply was changed from a surface water supply to a groundwater supply leading to more consistent water quality with less variation in color, turbidity and a lesser need for treatment. Membertou's water supply comes from the same aquifer that currently supplies the City of Sydney with drinking water. It is a Class 1 groundwater aquifer of the Lower Morien Bedrock Group.

Treatment for the new system includes:

- Coarse screening on the intake line from the reservoir;
- Fine screening by a traveling water screen;
- Chlorination;
- Fluoridation;
- Addition of hydrated lime to adjust pH.

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.

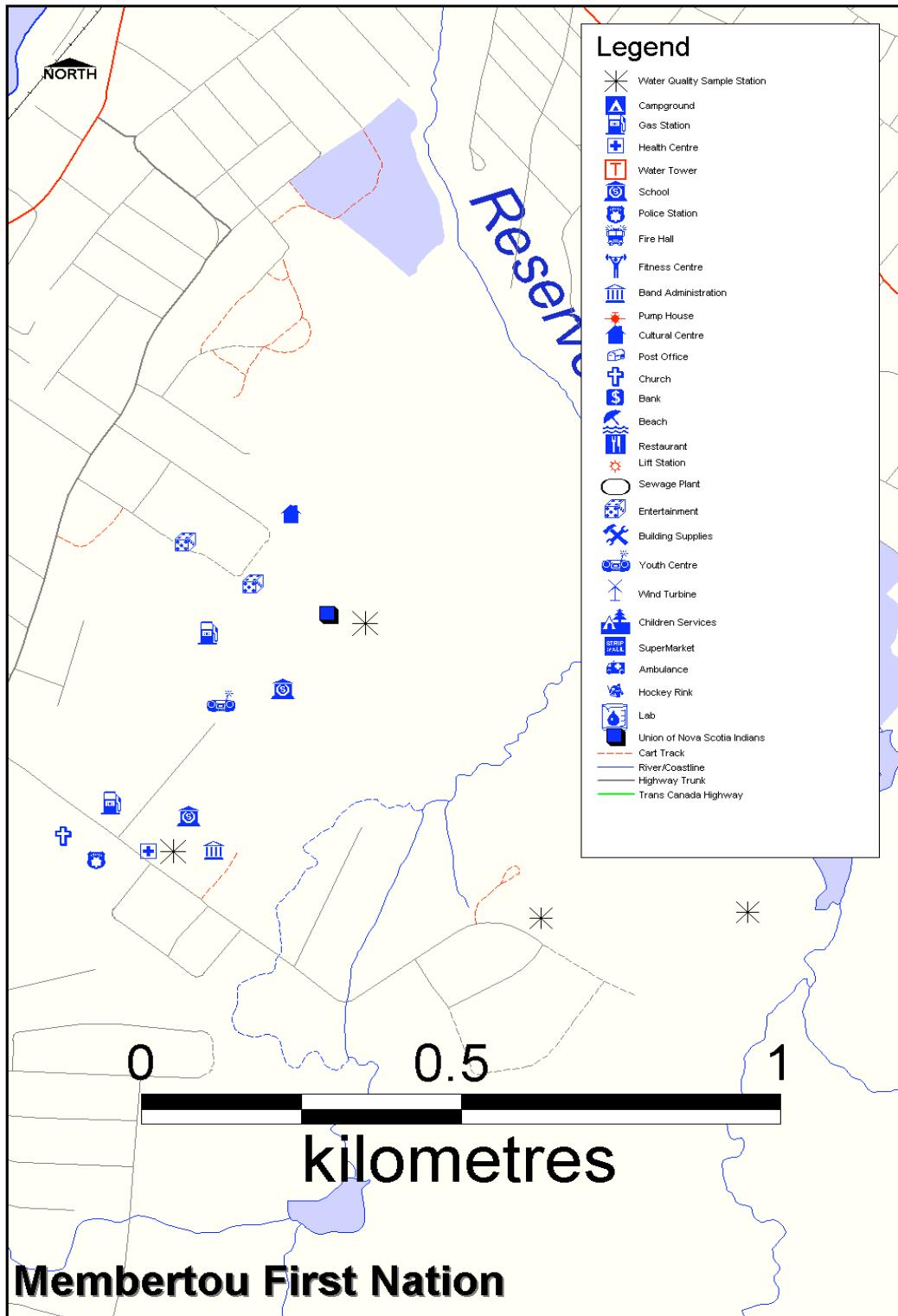


Figure 1. Map of sample station locations in Membertou.

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 +/- 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 +/- 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 I/O 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 I/O to turn instrument off.

Analysis of data was provided by Health Canada's WaterTrax database. Data was reformatted 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 exceedances for chlorine (1; Tables 1 and 4), total coliform (1; Tables 1 and 3) and turbidity (6; Tables 5 and 6). There were no exceedances for *E. coli* (Tables 1 and 2). For greater detail in locations and dates of exceedances in 2004, please refer to tables 3 to 6.

In 2005, there were considerably less exceedances. There were no samples for chlorine, turbidity, or *E. coli* that were outside the acceptable limits exceedances for chlorines. One exceedance was found for total coliform (Tables 7 and 9). For greater detail in locations and dates of exceedances in 2005, please refer to table 9.

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

Sample Type	# Samples	# Detects	# non-Detects	# Exceedances	Min.	Max.	Average	Unit
Chlorine (Free)	146	146	0	1	0.01	2.20	1.12	mg/L
E. coli	149	0	149	0	0.00	<1	0.00	MPN/100 mL
Total Coliform	149	1	148	1	0.00	4.00	1.00	MPN/100 mL

Table 2. Results for *E. coli* counts for Membertou 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)
	5/4/2004	Band Office (111 Membertou St.)	0
	5/4/2004	UNSI Office (47 Millard St.)	0
	5/4/2004	Health Center (107 Membertou St.)	0
	5/4/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	5/11/2004	Band Office (111 Membertou St.)	0
	5/11/2004	UNSI Office (47 Millard St.)	0
	5/11/2004	Health Center (107 Membertou St.)	0
	5/11/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	5/31/2004	Band Office (111 Membertou St.)	0
	5/31/2004	UNSI Office (47 Millard St.)	0
	5/31/2004	Health Center (107 Membertou St.)	0
	5/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/8/2004	Band Office (111 Membertou St.)	0
	6/8/2004	Health Center (107 Membertou St.)	0
	6/8/2004	UNSI Office (47 Millard St.)	0
	6/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/15/2004	Band Office (111 Membertou St.)	0
	6/15/2004	Health Center (107 Membertou St.)	0
	6/15/2004	UNSI Office (47 Millard St.)	0
	6/22/2004	Band Office (111 Membertou St.)	0

	6/22/2004	UNSI Office (47 Millard St.)	0
	6/22/2004	Health Center (107 Membertou St.)	0
	6/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/29/2004	UNSI Office (47 Millard St.)	0
	6/29/2004	Health Center (107 Membertou St.)	0
	6/29/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/5/2004	Band Office (111 Membertou St.)	0
	7/5/2004	Health Center (107 Membertou St.)	0
	7/5/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/6/2004	UNSI Office (47 Millard St.)	0
	7/6/2004	Health Center (107 Membertou St.)	0
	7/6/2004	School (115 Membertou St.)	0
	7/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/12/2004	Band Office (111 Membertou St.)	0
	7/12/2004	Health Center (107 Membertou St.)	0
	7/12/2004	UNSI Office (47 Millard St.)	0
	7/19/2004	UNSI Office (47 Millard St.)	0
	7/19/2004	Health Center (107 Membertou St.)	0
	7/19/2004	Band Office (111 Membertou St.)	0
	7/19/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/26/2004	Health Center (107 Membertou St.)	0
	7/26/2004	Band Office (111 Membertou St.)	0
	7/26/2004	UNSI Office (47 Millard St.)	0
	7/26/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	UNSI Office (47 Millard St.)	0
	8/3/2004	Health Center (107 Membertou St.)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	Band Office (111 Membertou St.)	0
	8/3/2004	Health Center (107 Membertou St.)	0
	8/3/2004	UNSI Office (47 Millard St.)	0
	8/9/2004	UNSI Office (47 Millard St.)	0
	8/9/2004	Health Center (107 Membertou St.)	0
	8/9/2004	Band Office (111 Membertou St.)	0
	8/9/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/17/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/17/2004	Band Office (111 Membertou St.)	0

	8/17/2004	Health Center (107 Membertou St.)	0
	8/17/2004	UNSI Office (47 Millard St.)	0
	8/23/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/23/2004	Health Center (107 Membertou St.)	0
	8/23/2004	UNSI Office (47 Millard St.)	0
	8/23/2004	Band Office (111 Membertou St.)	0
	8/31/2004	Band Office (111 Membertou St.)	0
	8/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/31/2004	Health Center (107 Membertou St.)	0
	8/31/2004	UNSI Office (47 Millard St.)	0
	9/7/2004	UNSI Office (47 Millard St.)	0
	9/7/2004	Health Center (107 Membertou St.)	0
	9/7/2004	School (115 Membertou St.)	0
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/7/2004	Band Office (111 Membertou St.)	0
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/7/2004	Health Center (107 Membertou St.)	0
	9/7/2004	UNSI Office (47 Millard St.)	0
	9/13/2004	Band Office (111 Membertou St.)	0
	9/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/13/2004	UNSI Office (47 Millard St.)	0
	9/13/2004	Health Center (107 Membertou St.)	0
	9/22/2004	Band Office (111 Membertou St.)	0
	9/22/2004	Health Center (107 Membertou St.)	0
	9/22/2004	UNSI Office (47 Millard St.)	0
	9/27/2004	Band Office (111 Membertou St.)	0
	9/27/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/27/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Band Office (111 Membertou St.)	0
	10/4/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Health Center (107 Membertou St.)	0
	10/4/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/4/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Health Center (107 Membertou St.)	NT
	10/12/2004	Health Center (107 Membertou St.)	0
	10/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/12/2004	Band Office (111 Membertou St.)	0
	10/12/2004	UNSI Office (47 Millard St.)	0
	10/18/2004	Sylvester, Lori (19 Kitpu Crescent)	0

	10/18/2004	Band Office (111 Membertou St.)	0
	10/18/2004	Health Center (107 Membertou St.)	0
	10/18/2004	UNSI Office (47 Millard St.)	0
	10/25/2004	Band Office (111 Membertou St.)	0
	10/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/25/2004	Health Center (107 Membertou St.)	0
	10/25/2004	UNSI Office (47 Millard St.)	0
	11/2/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/2/2004	Band Office (111 Membertou St.)	0
	11/2/2004	Health Center (107 Membertou St.)	0
	11/2/2004	UNSI Office (47 Millard St.)	0
	11/8/2004	Health Center (107 Membertou St.)	0
	11/8/2004	Band Office (111 Membertou St.)	0
	11/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/8/2004	UNSI Office (47 Millard St.)	0
	11/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/15/2004	Band Office (111 Membertou St.)	0
	11/15/2004	Health Center (107 Membertou St.)	0
	11/15/2004	UNSI Office (47 Millard St.)	0
	11/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/25/2004	Band Office (111 Membertou St.)	0
	11/25/2004	Health Center (107 Membertou St.)	0
	11/25/2004	UNSI Office (47 Millard St.)	0
	11/29/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/29/2004	Band Office (111 Membertou St.)	0
	11/29/2004	UNSI Office (47 Millard St.)	0
	11/29/2004	Health Center (107 Membertou St.)	0
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/6/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/6/2004	Band Office (111 Membertou St.)	0
	12/6/2004	Health Center (107 Membertou St.)	0
	12/6/2004	Health Center (107 Membertou St.)	<1
	12/6/2004	UNSI Office (47 Millard St.)	0
	12/6/2004	UNSI Office (47 Millard St.)	<1
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/13/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/13/2004	Band Office (111 Membertou St.)	0

	12/13/2004	Health Center (107 Membertou St.)	0
	12/13/2004	Health Center (107 Membertou St.)	<1
	12/13/2004	UNSI Office (47 Millard St.)	0
	12/13/2004	UNSI Office (47 Millard St.)	<1
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	NT
	12/22/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/22/2004	Band Office (111 Membertou St.)	NT
	12/22/2004	Health Center (107 Membertou St.)	NT
	12/22/2004	Health Center (107 Membertou St.)	<1
	12/22/2004	UNSI Office (47 Millard St.)	NT
	12/22/2004	UNSI Office (47 Millard St.)	<1
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	NT
	12/30/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/30/2004	Band Office (111 Membertou St.)	NT
	12/30/2004	Health Center (107 Membertou St.)	NT
	12/30/2004	Health Center (107 Membertou St.)	<1
	12/30/2004	UNSI Office (47 Millard St.)	NT
	12/30/2004	UNSI Office (47 Millard St.)	<1

Table 3.

Results for total coliform counts for Membertou 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	Date	Sample Location	Total Coliforms

	6/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/8/2004	Band Office (111 Membertou St.)	0
	6/8/2004	Health Center (107 Membertou St.)	0
	6/8/2004	UNSI Office (47 Millard St.)	0
	6/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/15/2004	Band Office (111 Membertou St.)	0
	6/15/2004	Health Center (107 Membertou St.)	0
	6/15/2004	UNSI Office (47 Millard St.)	0
	6/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	6/22/2004	Band Office (111 Membertou St.)	0
	6/22/2004	UNSI Office (47 Millard St.)	0
	6/22/2004	Health Center (107 Membertou St.)	0
	6/29/2004	UNSI Office (47 Millard St.)	0
	6/29/2004	Health Center (107 Membertou St.)	0
	6/29/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/5/2004	Band Office (111 Membertou St.)	0
	7/5/2004	Health Center (107 Membertou St.)	0
*	7/5/2004	Sylvester, Lori (19 Kitpu Crescent)	4
	7/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/6/2004	UNSI Office (47 Millard St.)	0
	7/6/2004	Health Center (107 Membertou St.)	0
	7/6/2004	School (115 Membertou St.)	0
	7/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/12/2004	Band Office (111 Membertou St.)	0
	7/12/2004	Health Center (107 Membertou St.)	0
	7/12/2004	UNSI Office (47 Millard St.)	0
	7/19/2004	UNSI Office (47 Millard St.)	0
	7/19/2004	Health Center (107 Membertou St.)	0
	7/19/2004	Band Office (111 Membertou St.)	0
	7/19/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	7/26/2004	Health Center (107 Membertou St.)	0
	7/26/2004	Band Office (111 Membertou St.)	0
	7/26/2004	UNSI Office (47 Millard St.)	0
	7/26/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/3/2004	UNSI Office (47 Millard St.)	0
	8/3/2004	Health Center (107 Membertou St.)	0
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0

	8/3/2004	Band Office (111 Membertou St.)	0
	8/3/2004	Health Center (107 Membertou St.)	0
	8/3/2004	UNSI Office (47 Millard St.)	0
	8/9/2004	UNSI Office (47 Millard St.)	0
	8/9/2004	Health Center (107 Membertou St.)	0
	8/9/2004	Band Office (111 Membertou St.)	0
	8/9/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/17/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/17/2004	Band Office (111 Membertou St.)	0
	8/17/2004	Health Center (107 Membertou St.)	0
	8/17/2004	UNSI Office (47 Millard St.)	0
	8/23/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/23/2004	Health Center (107 Membertou St.)	0
	8/23/2004	UNSI Office (47 Millard St.)	0
	8/23/2004	Band Office (111 Membertou St.)	0
	8/31/2004	Band Office (111 Membertou St.)	0
	8/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	8/31/2004	Health Center (107 Membertou St.)	0
	8/31/2004	UNSI Office (47 Millard St.)	0
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/7/2004	UNSI Office (47 Millard St.)	0
	9/7/2004	Health Center (107 Membertou St.)	0
	9/7/2004	School (115 Membertou St.)	0
	9/7/2004	Band Office (111 Membertou St.)	0
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/7/2004	Health Center (107 Membertou St.)	0
	9/7/2004	UNSI Office (47 Millard St.)	0
	9/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/13/2004	Band Office (111 Membertou St.)	0
	9/13/2004	UNSI Office (47 Millard St.)	0
	9/13/2004	Health Center (107 Membertou St.)	0
	9/22/2004	Band Office (111 Membertou St.)	0
	9/22/2004	Health Center (107 Membertou St.)	0
	9/22/2004	UNSI Office (47 Millard St.)	0
	9/27/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	9/27/2004	Band Office (111 Membertou St.)	0
	9/27/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/4/2004	Band Office (111 Membertou St.)	0

	10/4/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Health Center (107 Membertou St.)	0
	10/4/2004	UNSI Office (47 Millard St.)	0
	10/4/2004	Health Center (107 Membertou St.)	NT
	10/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/12/2004	Health Center (107 Membertou St.)	0
	10/12/2004	Band Office (111 Membertou St.)	0
	10/12/2004	UNSI Office (47 Millard St.)	0
	10/18/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/18/2004	Band Office (111 Membertou St.)	0
	10/18/2004	Health Center (107 Membertou St.)	0
	10/18/2004	UNSI Office (47 Millard St.)	0
	10/25/2004	Band Office (111 Membertou St.)	0
	10/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	10/25/2004	Health Center (107 Membertou St.)	0
	10/25/2004	UNSI Office (47 Millard St.)	0
	11/2/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/2/2004	Band Office (111 Membertou St.)	0
	11/2/2004	Health Center (107 Membertou St.)	0
	11/2/2004	UNSI Office (47 Millard St.)	0
	11/8/2004	Health Center (107 Membertou St.)	0
	11/8/2004	Band Office (111 Membertou St.)	0
	11/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/8/2004	UNSI Office (47 Millard St.)	0
	11/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/15/2004	Band Office (111 Membertou St.)	0
	11/15/2004	Health Center (107 Membertou St.)	0
	11/15/2004	UNSI Office (47 Millard St.)	0
	11/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/25/2004	Band Office (111 Membertou St.)	0
	11/25/2004	Health Center (107 Membertou St.)	0
	11/25/2004	UNSI Office (47 Millard St.)	0
	11/29/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	11/29/2004	Band Office (111 Membertou St.)	0
	11/29/2004	UNSI Office (47 Millard St.)	0
	11/29/2004	Health Center (107 Membertou St.)	0
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/6/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1

	12/6/2004	Band Office (111 Membertou St.)	0
	12/6/2004	Health Center (107 Membertou St.)	0
	12/6/2004	Health Center (107 Membertou St.)	<1
	12/6/2004	UNSI Office (47 Millard St.)	0
	12/6/2004	UNSI Office (47 Millard St.)	<1
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/13/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/13/2004	Band Office (111 Membertou St.)	0
	12/13/2004	Health Center (107 Membertou St.)	0
	12/13/2004	Health Center (107 Membertou St.)	<1
	12/13/2004	UNSI Office (47 Millard St.)	0
	12/13/2004	UNSI Office (47 Millard St.)	<1
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	NT
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/22/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/22/2004	Band Office (111 Membertou St.)	NT
	12/22/2004	Health Center (107 Membertou St.)	NT
	12/22/2004	Health Center (107 Membertou St.)	<1
	12/22/2004	UNSI Office (47 Millard St.)	NT
	12/22/2004	UNSI Office (47 Millard St.)	<1
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	NT
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/30/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/30/2004	Band Office (111 Membertou St.)	NT
	12/30/2004	Health Center (107 Membertou St.)	NT
	12/30/2004	Health Center (107 Membertou St.)	<1
	12/30/2004	UNSI Office (47 Millard St.)	NT
	12/30/2004	UNSI Office (47 Millard St.)	<1

Table 4. Chlorine results for Membertou in 2004.

Outside	Date	Sample Location	Chlorine

	5/11/2004	Band Office (111 Membertou St.)	1.26
	5/11/2004	UNSI Office (47 Millard St.)	0.73
	5/11/2004	Health Center (107 Membertou St.)	0.80
	5/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0.59
	5/31/2004	Band Office (111 Membertou St.)	1.94
	5/31/2004	UNSI Office (47 Millard St.)	0.51
	5/31/2004	Health Center (107 Membertou St.)	1.13
	6/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0.57
	6/8/2004	Band Office (111 Membertou St.)	1.38
	6/8/2004	Health Center (107 Membertou St.)	1.07
	6/8/2004	UNSI Office (47 Millard St.)	0.84
	6/15/2004	Sylvester, Lori (19 Kitpu Crescent)	1.10
	6/15/2004	Band Office (111 Membertou St.)	1.61
	6/15/2004	Health Center (107 Membertou St.)	1.29
	6/15/2004	UNSI Office (47 Millard St.)	0.68
	6/22/2004	Sylvester, Lori (19 Kitpu Crescent)	1.50
	6/22/2004	Band Office (111 Membertou St.)	1.76
	6/22/2004	UNSI Office (47 Millard St.)	0.95
	6/22/2004	Health Center (107 Membertou St.)	1.36
	6/29/2004	Sylvester, Lori (19 Kitpu Crescent)	1.34
	6/29/2004	Band Office (111 Membertou St.)	1.55
	6/29/2004	UNSI Office (47 Millard St.)	1.10
	6/29/2004	Health Center (107 Membertou St.)	1.19
	7/5/2004	Band Office (111 Membertou St.)	1.65
	7/5/2004	Health Center (107 Membertou St.)	0.27
	7/5/2004	Sylvester, Lori (19 Kitpu Crescent)	1.26
	7/12/2004	Sylvester, Lori (19 Kitpu Crescent)	1.20
	7/12/2004	Band Office (111 Membertou St.)	1.63
	7/12/2004	Health Center (107 Membertou St.)	1.28
	7/12/2004	UNSI Office (47 Millard St.)	0.93
	7/19/2004	UNSI Office (47 Millard St.)	0.95
	7/19/2004	Health Center (107 Membertou St.)	1.35
	7/19/2004	Band Office (111 Membertou St.)	1.65
	7/19/2004	Sylvester, Lori (19 Kitpu Crescent)	1.41
	7/26/2004	Health Center (107 Membertou St.)	1.14
	7/26/2004	Band Office (111 Membertou St.)	2.20
	7/26/2004	UNSI Office (47 Millard St.)	0.94
	7/26/2004	Sylvester, Lori (19 Kitpu Crescent)	1.19
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	0.61

	8/3/2004	Band Office (111 Membertou St.)	1.05
	8/3/2004	Health Center (107 Membertou St.)	0.70
	8/3/2004	UNSI Office (47 Millard St.)	0.54
	8/9/2004	UNSI Office (47 Millard St.)	0.85
	8/9/2004	Health Center (107 Membertou St.)	1.09
	8/9/2004	Band Office (111 Membertou St.)	1.41
	8/9/2004	Sylvester, Lori (19 Kitpu Crescent)	0.90
	8/17/2004	Sylvester, Lori (19 Kitpu Crescent)	1.42
	8/17/2004	Band Office (111 Membertou St.)	1.75
	8/17/2004	Health Center (107 Membertou St.)	1.59
	8/17/2004	UNSI Office (47 Millard St.)	0.97
	8/23/2004	Sylvester, Lori (19 Kitpu Crescent)	1.03
	8/23/2004	Health Center (107 Membertou St.)	1.07
	8/23/2004	UNSI Office (47 Millard St.)	0.66
	8/23/2004	Band Office (111 Membertou St.)	1.17
	8/31/2004	Band Office (111 Membertou St.)	1.64
	8/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0.99
	8/31/2004	Health Center (107 Membertou St.)	1.28
	8/31/2004	UNSI Office (47 Millard St.)	0.50
	9/7/2004	Band Office (111 Membertou St.)	1.53
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0.95
	9/7/2004	Health Center (107 Membertou St.)	1.32
	9/7/2004	UNSI Office (47 Millard St.)	1.29
	9/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0.59
	9/13/2004	Band Office (111 Membertou St.)	1.49
	9/13/2004	UNSI Office (47 Millard St.)	1.17
	9/13/2004	Health Center (107 Membertou St.)	1.34
	9/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0.57
*	9/22/2004	Band Office (111 Membertou St.)	0.01
	9/22/2004	Health Center (107 Membertou St.)	1.35
	9/22/2004	UNSI Office (47 Millard St.)	1.30
	9/27/2004	Sylvester, Lori (19 Kitpu Crescent)	1.17
	9/27/2004	Band Office (111 Membertou St.)	1.17
	9/27/2004	UNSI Office (47 Millard St.)	0.74
	10/4/2004	UNSI Office (47 Millard St.)	0.57
	10/4/2004	Band Office (111 Membertou St.)	1.36
	10/4/2004	Health Center (107 Membertou St.)	1.22
	10/4/2004	Sylvester, Lori (19 Kitpu Crescent)	0.67
	10/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0.37

	10/12/2004	Health Center (107 Membertou St.)	1.20
	10/12/2004	Band Office (111 Membertou St.)	1.38
	10/12/2004	UNSI Office (47 Millard St.)	0.69
	10/18/2004	Sylvester, Lori (19 Kitpu Crescent)	1.27
	10/18/2004	Band Office (111 Membertou St.)	1.49
	10/18/2004	Health Center (107 Membertou St.)	1.27
	10/18/2004	UNSI Office (47 Millard St.)	0.94
	10/25/2004	Band Office (111 Membertou St.)	1.21
	10/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0.67
	10/25/2004	Health Center (107 Membertou St.)	1.07
	10/25/2004	UNSI Office (47 Millard St.)	0.75
	11/2/2004	Sylvester, Lori (19 Kitpu Crescent)	0.79
	11/2/2004	Band Office (111 Membertou St.)	1.53
	11/2/2004	Health Center (107 Membertou St.)	1.45
	11/2/2004	UNSI Office (47 Millard St.)	1.08
	11/8/2004	Health Center (107 Membertou St.)	1.37
	11/8/2004	Band Office (111 Membertou St.)	1.38
	11/8/2004	Sylvester, Lori (19 Kitpu Crescent)	1.12
	11/8/2004	UNSI Office (47 Millard St.)	0.88
	11/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0.66
	11/15/2004	Band Office (111 Membertou St.)	1.58
	11/15/2004	Health Center (107 Membertou St.)	1.48
	11/15/2004	UNSI Office (47 Millard St.)	1.05
	11/25/2004	Sylvester, Lori (19 Kitpu Crescent)	1.5
	11/25/2004	Band Office (111 Membertou St.)	1.52
	11/25/2004	Health Center (107 Membertou St.)	1.26
	11/25/2004	UNSI Office (47 Millard St.)	1.14
	11/29/2004	Sylvester, Lori (19 Kitpu Crescent)	1.13
	11/29/2004	Band Office (111 Membertou St.)	1.5
	11/29/2004	UNSI Office (47 Millard St.)	0.76
	11/29/2004	Health Center (107 Membertou St.)	1.07
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0.97
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0.97
	12/6/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	0.06
	12/6/2004	Band Office (111 Membertou St.)	0.06
	12/6/2004	Health Center (107 Membertou St.)	1.21
	12/6/2004	Health Center (107 Membertou St.)	1.21
	12/6/2004	UNSI Office (47 Millard St.)	0.37
	12/6/2004	UNSI Office (47 Millard St.)	0.37

	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	1.28
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	1.28
	12/13/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	1.29
	12/13/2004	Band Office (111 Membertou St.)	1.29
	12/13/2004	Health Center (107 Membertou St.)	1.50
	12/13/2004	Health Center (107 Membertou St.)	1.50
	12/13/2004	UNSI Office (47 Millard St.)	1.15
	12/13/2004	UNSI Office (47 Millard St.)	1.15
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	1.13
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	1.18
	12/22/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	1.32
	12/22/2004	Band Office (111 Membertou St.)	1.32
	12/22/2004	Health Center (107 Membertou St.)	1.32
	12/22/2004	Health Center (107 Membertou St.)	1.32
	12/22/2004	UNSI Office (47 Millard St.)	1.11
	12/22/2004	UNSI Office (47 Millard St.)	1.11
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	1.38
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	1.38
	12/30/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	1.07
	12/30/2004	Band Office (111 Membertou St.)	1.07
	12/30/2004	Health Center (107 Membertou St.)	1.19
	12/30/2004	Health Center (107 Membertou St.)	1.19
	12/30/2004	UNSI Office (47 Millard St.)	1.21
	12/30/2004	UNSI Office (47 Millard St.)	1.21

Table 5. Summary of routine physical analysis results for drinking water in Membertou (2004).

Sample Type	# Samples	# Detects	# Non-Detects	# Exceedances	Min.	Max.	Average	95th Percentile	Unit
Turbidity	107	107	0	6	0.20	93.2	3.05	19.35	NTU

Table 6. Results from routine chemical and physical samples for drinking water quality in Membertou (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)
*	7/12/2004	Sylvester, Lori (19 Kitpu Crescent)	26.6
*	7/12/2004	Band Office (111 Membertou St.)	93.2
	7/12/2004	Health Center (107 Membertou St.)	0.62
	7/12/2004	UNSI Office (47 Millard St.)	3.77
	7/19/2004	UNSI Office (47 Millard St.)	3.53
*	7/19/2004	Health Center (107 Membertou St.)	18.0
	7/19/2004	Band Office (111 Membertou St.)	0.37
*	7/19/2004	Sylvester, Lori (19 Kitpu Crescent)	27.6
	7/26/2004	Health Center (107 Membertou St.)	0.53
	7/26/2004	Band Office (111 Membertou St.)	0.89
*	7/26/2004	UNSI Office (47 Millard St.)	20.7
	7/26/2004	Sylvester, Lori (19 Kitpu Crescent)	1.90
	8/3/2004	Sylvester, Lori (19 Kitpu Crescent)	1.62
*	8/3/2004	Band Office (111 Membertou St.)	79.8
	8/3/2004	Health Center (107 Membertou St.)	0.86
	8/3/2004	UNSI Office (47 Millard St.)	0.38
	8/9/2004	UNSI Office (47 Millard St.)	0.56
	8/9/2004	Health Center (107 Membertou St.)	0.48
	8/9/2004	Band Office (111 Membertou St.)	0.45
	8/9/2004	Sylvester, Lori (19 Kitpu Crescent)	1.11
	8/17/2004	Sylvester, Lori (19 Kitpu Crescent)	0.74
	8/17/2004	Band Office (111 Membertou St.)	0.45
	8/17/2004	Health Center (107 Membertou St.)	0.37
	8/17/2004	UNSI Office (47 Millard St.)	0.54
	8/23/2004	Sylvester, Lori (19 Kitpu Crescent)	0.35
	8/23/2004	Health Center (107 Membertou St.)	0.43
	8/23/2004	UNSI Office (47 Millard St.)	0.59
	8/23/2004	Band Office (111 Membertou St.)	0.33
	8/31/2004	Band Office (111 Membertou St.)	0.38
	8/31/2004	Sylvester, Lori (19 Kitpu Crescent)	0.47
	8/31/2004	Health Center (107 Membertou St.)	0.63
	8/31/2004	UNSI Office (47 Millard St.)	0.42
	9/7/2004	Band Office (111 Membertou St.)	0.40
	9/7/2004	Sylvester, Lori (19 Kitpu Crescent)	0.32

	9/7/2004	Health Center (107 Membertou St.)	0.64
	9/7/2004	UNSI Office (47 Millard St.)	0.44
	9/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0.48
	9/13/2004	Band Office (111 Membertou St.)	0.59
	9/13/2004	UNSI Office (47 Millard St.)	0.54
	9/13/2004	Health Center (107 Membertou St.)	0.37
	9/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0.67
	9/22/2004	Band Office (111 Membertou St.)	0.67
	9/22/2004	Health Center (107 Membertou St.)	0.39
	9/22/2004	UNSI Office (47 Millard St.)	0.39
	9/27/2004	Sylvester, Lori (19 Kitpu Crescent)	0.77
	9/27/2004	Band Office (111 Membertou St.)	0.77
	9/27/2004	UNSI Office (47 Millard St.)	0.31
	10/4/2004	UNSI Office (47 Millard St.)	0.55
	10/4/2004	Band Office (111 Membertou St.)	0.40
	10/4/2004	Health Center (107 Membertou St.)	0.40
	10/4/2004	Sylvester, Lori (19 Kitpu Crescent)	0.31
	10/12/2004	Sylvester, Lori (19 Kitpu Crescent)	0.40
	10/12/2004	Health Center (107 Membertou St.)	0.45
	10/12/2004	Band Office (111 Membertou St.)	0.33
	10/12/2004	UNSI Office (47 Millard St.)	0.43
	10/18/2004	Sylvester, Lori (19 Kitpu Crescent)	0.57
	10/18/2004	Band Office (111 Membertou St.)	0.27
	10/18/2004	Health Center (107 Membertou St.)	0.57
	10/18/2004	UNSI Office (47 Millard St.)	0.32
	10/25/2004	Band Office (111 Membertou St.)	0.75
	10/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0.76
	10/25/2004	Health Center (107 Membertou St.)	0.27
	10/25/2004	UNSI Office (47 Millard St.)	0.33
	11/2/2004	Sylvester, Lori (19 Kitpu Crescent)	0.27
	11/2/2004	Band Office (111 Membertou St.)	0.35
	11/2/2004	Health Center (107 Membertou St.)	0.43
	11/2/2004	UNSI Office (47 Millard St.)	0.24
	11/8/2004	Health Center (107 Membertou St.)	0.47
	11/8/2004	Band Office (111 Membertou St.)	0.38
	11/8/2004	Sylvester, Lori (19 Kitpu Crescent)	0.56
	11/8/2004	UNSI Office (47 Millard St.)	0.67
	11/15/2004	Sylvester, Lori (19 Kitpu Crescent)	0.37
	11/15/2004	Band Office (111 Membertou St.)	0.2

	11/15/2004	Health Center (107 Membertou St.)	0.86
	11/15/2004	UNSI Office (47 Millard St.)	0.65
	11/25/2004	Sylvester, Lori (19 Kitpu Crescent)	0.76
	11/25/2004	Band Office (111 Membertou St.)	0.58
	11/25/2004	Health Center (107 Membertou St.)	0.44
	11/25/2004	UNSI Office (47 Millard St.)	0.65
	11/29/2004	Sylvester, Lori (19 Kitpu Crescent)	0.78
	11/29/2004	Band Office (111 Membertou St.)	0.4
	11/29/2004	UNSI Office (47 Millard St.)	0.43
	11/29/2004	Health Center (107 Membertou St.)	0.91
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0.53
	12/6/2004	Sylvester, Lori (19 Kitpu Crescent)	0.53
	12/6/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	0.56
	12/6/2004	Band Office (111 Membertou St.)	0.56
	12/6/2004	Health Center (107 Membertou St.)	0.88
	12/6/2004	Health Center (107 Membertou St.)	0.88
	12/6/2004	UNSI Office (47 Millard St.)	0.59
	12/6/2004	UNSI Office (47 Millard St.)	0.59
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0.45
	12/13/2004	Sylvester, Lori (19 Kitpu Crescent)	0.45
	12/13/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	0.77
	12/13/2004	Band Office (111 Membertou St.)	0.77
	12/13/2004	Health Center (107 Membertou St.)	0.35
	12/13/2004	Health Center (107 Membertou St.)	0.35
	12/13/2004	UNSI Office (47 Millard St.)	0.42
	12/13/2004	UNSI Office (47 Millard St.)	0.42
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0.43
	12/22/2004	Sylvester, Lori (19 Kitpu Crescent)	0.43
	12/22/2004	Tupsi Drive Apartments (65 Tupsi Dr.)	0.43
	12/22/2004	Band Office (111 Membertou St.)	0.43
	12/22/2004	Health Center (107 Membertou St.)	0.46
	12/22/2004	Health Center (107 Membertou St.)	0.46
	12/22/2004	UNSI Office (47 Millard St.)	0.59
	12/22/2004	UNSI Office (47 Millard St.)	0.59
	12/30/2004	Sylvester, Lori (19 Kitpu Crescent)	NT
	12/30/2004	Band Office (111 Membertou St.)	NT
	12/30/2004	Health Center (107 Membertou St.)	NT
	12/30/2004	UNSI Office (47 Millard St.)	NT

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

Sample Type	# Samples	# Detects	# Non-Detects	# Exceedances	Min.	Max.	Average	Unit
Chlorine (free)	208	208	0	0	0.14	1.96	1.01	mg/L
E.coli	225	0	225	0	0	<1	0.00	MPN/100 mL
Total coliform	225	1	224	1	0	<1	0.00	MPN/100 mL

Table 8. Results for *E. coli* counts for Membertou 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 Limits	Date	Sample Location	E. coli (MPN/ 100 mL)
	1/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	1/4/2005	Band Office (111 Membertou St.)	0
	1/4/2005	Health Center (107 Membertou St.)	0
	1/4/2005	UNSI Office (47 Millard St.)	0
	1/10/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	1/10/2005	Band Office (111 Membertou St.)	0
	1/10/2005	Health Center (107 Membertou St.)	0
	1/10/2005	UNSI Office (47 Millard St.)	0
	1/19/2005	UNSI Office (47 Millard St.)	0
	1/19/2005	Health Center (107 Membertou St.)	0
	1/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	1/19/2005	Band Office (111 Membertou St.)	0
	1/26/2005	Band Office (111 Membertou St.)	0
	1/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	1/26/2005	Health Center (107 Membertou St.)	0
	1/26/2005	UNSI Office (47 Millard St.)	0
	2/1/2005	UNSI Office (47 Millard St.)	0
	2/1/2005	Health Center (107 Membertou St.)	0
	2/1/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	2/1/2005	Band Office (111 Membertou St.)	0

	2/7/2005	Band Office (111 Membertou St.)	0
	2/7/2005	UNSI Office (47 Millard St.)	0
	2/7/2005	Health Center (107 Membertou St.)	0
	2/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	2/15/2005	UNSI Office (47 Millard St.)	0
	2/15/2005	Health Center (107 Membertou St.)	0
	2/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	2/15/2005	Band Office (111 Membertou St.)	0
	2/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	2/22/2005	Band Office (111 Membertou St.)	0
	2/22/2005	UNSI Office (47 Millard St.)	0
	2/22/2005	Health Center (107 Membertou St.)	0
	2/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	2/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	2/28/2005	Health Center (107 Membertou St.)	0
	2/28/2005	UNSI Office (47 Millard St.)	0
	3/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	3/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	3/7/2005	Health Center (107 Membertou St.)	0
	3/7/2005	UNSI Office (47 Millard St.)	0
	3/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	3/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	3/14/2005	Health Center (107 Membertou St.)	0
	3/14/2005	UNSI Office (47 Millard St.)	0
	3/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	3/22/2005	Health Center (107 Membertou St.)	0
	3/22/2005	UNSI Office (47 Millard St.)	0
	3/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	3/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	3/30/2005	Health Center (107 Membertou St.)	0
	3/30/2005	UNSI Office (47 Millard St.)	0
	3/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/4/2005	Health Center (107 Membertou St.)	0
	4/4/2005	UNSI Office (47 Millard St.)	0
	4/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/5/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	4/5/2005	Health Center (107 Membertou St.)	<1
	4/5/2005	School (115 Membertou St.)	<1

	4/11/2005	UNSI Office (47 Millard St.)	0
	4/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/11/2005	Health Center (107 Membertou St.)	0
	4/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/19/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/19/2005	Health Center (107 Membertou St.)	0
	4/19/2005	UNSI Office (47 Millard St.)	0
	4/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/26/2005	Health Center (107 Membertou St.)	0
	4/26/2005	UNSI Office (47 Millard St.)	0
	5/3/2005	Health Center (107 Membertou St.)	0
	5/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/3/2005	UNSI Office (47 Millard St.)	0
	5/4/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	5/4/2005	Health Center (107 Membertou St.)	<1
	5/4/2005	School (115 Membertou St.)	<1
	5/9/2005	UNSI Office (47 Millard St.)	0
	5/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/9/2005	Health Center (107 Membertou St.)	0
	5/16/2005	UNSI Office (47 Millard St.)	0
	5/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/16/2005	Health Center (107 Membertou St.)	0
	5/25/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/25/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/25/2005	UNSI Office (47 Millard St.)	0
	5/25/2005	Health Center (107 Membertou St.)	0
	5/30/2005	UNSI Office (47 Millard St.)	0
	5/30/2005	Health Center (107 Membertou St.)	0
	5/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/31/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	5/31/2005	Health Center (107 Membertou St.)	<1
	5/31/2005	School (115 Membertou St.)	<1
	6/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0

	6/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/7/2005	UNSI Office (47 Millard St.)	0
	6/7/2005	Health Center (107 Membertou St.)	0
	6/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/16/2005	Health Center (107 Membertou St.)	0
	6/16/2005	UNSI Office (47 Millard St.)	0
	6/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/22/2005	Health Center (107 Membertou St.)	0
	6/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/22/2005	UNSI Office (47 Millard St.)	0
	6/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/28/2005	UNSI Office (47 Millard St.)	0
	6/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/28/2005	Health Center (107 Membertou St.)	0
	7/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/6/2005	Health Center (107 Membertou St.)	0
	7/6/2005	UNSI Office (47 Millard St.)	0
	7/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/11/2005	Health Center (107 Membertou St.)	0
	7/11/2005	UNSI Office (47 Millard St.)	0
	7/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/20/2005	Health Center (107 Membertou St.)	0
	7/20/2005	UNSI Office (47 Millard St.)	0
	7/26/2005	Health Center (107 Membertou St.)	0
	7/26/2005	UNSI Office (47 Millard St.)	0
	7/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	8/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/4/2005	Health Center (107 Membertou St.)	0
	8/4/2005	UNSI Office (47 Millard St.)	0
	8/9/2005	UNSI Office (47 Millard St.)	0
	8/9/2005	Health Center (107 Membertou St.)	0
	8/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0

	8/15/2005	UNSI Office (47 Millard St.)	0
	8/15/2005	Health Center (107 Membertou St.)	0
	8/15/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	8/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	8/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	8/22/2005	Health Center (107 Membertou St.)	0.0
	8/22/2005	UNSI Office (47 Millard St.)	0.0
	8/30/2005	UNSI Office (47 Millard St.)	0.0
	8/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	8/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	8/30/2005	Health Center (107 Membertou St.)	0.0
	9/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/6/2005	UNSI Office (47 Millard St.)	0.0
	9/6/2005	Health Center (107 Membertou St.)	0.0
	9/12/2005	Health Center (107 Membertou St.)	0.0
	9/12/2005	UNSI Office (47 Millard St.)	0.0
	9/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/20/2005	UNSI Office (47 Millard St.)	0.0
	9/20/2005	Health Center (107 Membertou St.)	0.0
	9/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/26/2005	Health Center (107 Membertou St.)	0.0
	9/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/26/2005	UNSI Office (47 Millard St.)	0.0
	9/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/3/2005	Health Center (107 Membertou St.)	0.0
	10/3/2005	UNSI Office (47 Millard St.)	0.0
	10/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/11/2005	Health Center (107 Membertou St.)	0.0
	10/11/2005	UNSI Office (47 Millard St.)	0.0
	10/17/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	10/17/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	10/17/2005	Health Center (107 Membertou St.)	<1

	10/17/2005	School (115 Membertou St.)	<1
	10/18/2005	UNSI Office (47 Millard St.)	0.0
	10/18/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/18/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/18/2005	Health Center (107 Membertou St.)	0.0
	10/24/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/24/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/24/2005	Health Center (107 Membertou St.)	0.0
	10/24/2005	UNSI Office (47 Millard St.)	0.0
	10/31/2005	Health Center (107 Membertou St.)	0.0
	10/31/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/31/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/31/2005	UNSI Office (47 Millard St.)	0.0
	11/8/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/8/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/8/2005	Health Center (107 Membertou St.)	0.0
	11/8/2005	UNSI Office (47 Millard St.)	0.0
	11/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/14/2005	Health Center (107 Membertou St.)	0.0
	11/14/2005	UNSI Office (47 Millard St.)	0.0
	11/23/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/23/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/23/2005	Health Center (107 Membertou St.)	0.0
	11/23/2005	UNSI Office (47 Millard St.)	0.0
	11/28/2005	UNSI Office (47 Millard St.)	0.0
	11/28/2005	Health Center (107 Membertou St.)	0.0
	11/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/5/2005	Health Center (107 Membertou St.)	<1
	12/5/2005	School (115 Membertou St.)	<1
	12/5/2005	UNSI Office (47 Millard St.)	0.0
	12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/5/2005	Health Center (107 Membertou St.)	0.0
	12/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0

	12/12/2005	Health Center (107 Membertou St.)	0.0
	12/12/2005	UNSI Office (47 Millard St.)	0.0
	12/21/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/21/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/21/2005	Health Center (107 Membertou St.)	0.0
	12/21/2005	UNSI Office (47 Millard St.)	0.0
	12/29/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/29/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/29/2005	UNSI Office (47 Millard St.)	0.0
	12/29/2005	Health Center (107 Membertou St.)	0.0

Table 9. Results for total coliform counts for Membertou 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	Total Coliforms (MPN/ 100mL)

2/1/2005	Band Office (111 Membertou St.)	0
2/7/2005	Band Office (111 Membertou St.)	0
2/7/2005	UNSI Office (47 Millard St.)	0
2/7/2005	Health Center (107 Membertou St.)	0
2/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0
2/15/2005	UNSI Office (47 Millard St.)	0
2/15/2005	Health Center (107 Membertou St.)	0
2/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0
2/15/2005	Band Office (111 Membertou St.)	0
2/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
2/22/2005	Band Office (111 Membertou St.)	0
2/22/2005	UNSI Office (47 Millard St.)	0
2/22/2005	Health Center (107 Membertou St.)	0
2/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0
2/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
2/28/2005	Health Center (107 Membertou St.)	0
2/28/2005	UNSI Office (47 Millard St.)	0
3/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0
3/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
3/7/2005	Health Center (107 Membertou St.)	0
3/7/2005	UNSI Office (47 Millard St.)	0
3/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0
3/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
3/14/2005	Health Center (107 Membertou St.)	0
3/14/2005	UNSI Office (47 Millard St.)	0
3/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
3/22/2005	Health Center (107 Membertou St.)	0
3/22/2005	UNSI Office (47 Millard St.)	0
3/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
3/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0
3/30/2005	Health Center (107 Membertou St.)	0
3/30/2005	UNSI Office (47 Millard St.)	0
3/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
4/4/2005	Health Center (107 Membertou St.)	0
4/4/2005	UNSI Office (47 Millard St.)	0
4/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0
4/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
4/5/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
4/5/2005	Health Center (107 Membertou St.)	<1

	4/5/2005	School (115 Membertou St.)	<1
	4/11/2005	UNSI Office (47 Millard St.)	0
	4/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/11/2005	Health Center (107 Membertou St.)	0
	4/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/19/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/19/2005	Health Center (107 Membertou St.)	0
	4/19/2005	UNSI Office (47 Millard St.)	0
	4/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	4/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	4/26/2005	Health Center (107 Membertou St.)	0
	4/26/2005	UNSI Office (47 Millard St.)	0
	5/3/2005	Health Center (107 Membertou St.)	0
	5/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/3/2005	UNSI Office (47 Millard St.)	0
	5/4/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	5/4/2005	Health Center (107 Membertou St.)	<1
	5/4/2005	School (115 Membertou St.)	<1
	5/9/2005	UNSI Office (47 Millard St.)	0
	5/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/9/2005	Health Center (107 Membertou St.)	0
	5/16/2005	UNSI Office (47 Millard St.)	0
	5/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/16/2005	Health Center (107 Membertou St.)	0
	5/25/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/25/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/25/2005	UNSI Office (47 Millard St.)	0
	5/25/2005	Health Center (107 Membertou St.)	0
	5/30/2005	UNSI Office (47 Millard St.)	0
	5/30/2005	Health Center (107 Membertou St.)	0
	5/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	5/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	5/31/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	5/31/2005	Health Center (107 Membertou St.)	<1
	5/31/2005	School (115 Membertou St.)	<1

	6/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/7/2005	UNSI Office (47 Millard St.)	0
	6/7/2005	Health Center (107 Membertou St.)	0
	6/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/16/2005	Health Center (107 Membertou St.)	0
	6/16/2005	UNSI Office (47 Millard St.)	0
	6/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/22/2005	Health Center (107 Membertou St.)	0
	6/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/22/2005	UNSI Office (47 Millard St.)	0
	6/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	6/28/2005	UNSI Office (47 Millard St.)	0
	6/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	6/28/2005	Health Center (107 Membertou St.)	0
	7/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/6/2005	Health Center (107 Membertou St.)	0
	7/6/2005	UNSI Office (47 Millard St.)	0
	7/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/11/2005	Health Center (107 Membertou St.)	0
	7/11/2005	UNSI Office (47 Millard St.)	0
	7/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	7/20/2005	Health Center (107 Membertou St.)	0
	7/20/2005	UNSI Office (47 Millard St.)	0
	7/26/2005	Health Center (107 Membertou St.)	0
	7/26/2005	UNSI Office (47 Millard St.)	0
	7/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	7/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	8/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/4/2005	Health Center (107 Membertou St.)	0
	8/4/2005	UNSI Office (47 Millard St.)	0
	8/9/2005	UNSI Office (47 Millard St.)	0
	8/9/2005	Health Center (107 Membertou St.)	0
	8/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0

	8/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	8/15/2005	UNSI Office (47 Millard St.)	0
	8/15/2005	Health Center (107 Membertou St.)	0
	8/15/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0
	8/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0
	8/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	8/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	8/22/2005	Health Center (107 Membertou St.)	0.0
	8/22/2005	UNSI Office (47 Millard St.)	0.0
	8/30/2005	UNSI Office (47 Millard St.)	0.0
	8/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	8/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	8/30/2005	Health Center (107 Membertou St.)	0.0
	9/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/6/2005	UNSI Office (47 Millard St.)	0.0
	9/6/2005	Health Center (107 Membertou St.)	0.0
	9/12/2005	Health Center (107 Membertou St.)	0.0
	9/12/2005	UNSI Office (47 Millard St.)	0.0
	9/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/20/2005	UNSI Office (47 Millard St.)	0.0
	9/20/2005	Health Center (107 Membertou St.)	0.0
	9/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	9/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/26/2005	Health Center (107 Membertou St.)	0.0
	9/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	9/26/2005	UNSI Office (47 Millard St.)	0.0
	9/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/3/2005	Health Center (107 Membertou St.)	0.0
	10/3/2005	UNSI Office (47 Millard St.)	0.0
	10/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/11/2005	Health Center (107 Membertou St.)	0.0
	10/11/2005	UNSI Office (47 Millard St.)	0.0
	10/17/2005	Sylvester, Lori (19 Kitpu Crescent)	<1
	10/17/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	<1

	10/17/2005	Health Center (107 Membertou St.)	<1
	10/17/2005	School (115 Membertou St.)	<1
	10/18/2005	UNSI Office (47 Millard St.)	0.0
	10/18/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/18/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/18/2005	Health Center (107 Membertou St.)	0.0
	10/24/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/24/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/24/2005	Health Center (107 Membertou St.)	0.0
	10/24/2005	UNSI Office (47 Millard St.)	0.0
	10/31/2005	Health Center (107 Membertou St.)	0.0
	10/31/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	10/31/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	10/31/2005	UNSI Office (47 Millard St.)	0.0
	11/8/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/8/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/8/2005	Health Center (107 Membertou St.)	0.0
	11/8/2005	UNSI Office (47 Millard St.)	0.0
	11/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/14/2005	Health Center (107 Membertou St.)	0.0
	11/14/2005	UNSI Office (47 Millard St.)	0.0
	11/23/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/23/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	11/23/2005	Health Center (107 Membertou St.)	0.0
	11/23/2005	UNSI Office (47 Millard St.)	0.0
	11/28/2005	UNSI Office (47 Millard St.)	0.0
	11/28/2005	Health Center (107 Membertou St.)	0.0
	11/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	11/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
*	12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	1
	12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	<1
	12/5/2005	Health Center (107 Membertou St.)	<1
	12/5/2005	School (115 Membertou St.)	<1
	12/5/2005	UNSI Office (47 Millard St.)	0.0
	12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/5/2005	Health Center (107 Membertou St.)	0.0
	12/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0

	12/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/12/2005	Health Center (107 Membertou St.)	0.0
	12/12/2005	UNSI Office (47 Millard St.)	0.0
	12/21/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/21/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/21/2005	Health Center (107 Membertou St.)	0.0
	12/21/2005	UNSI Office (47 Millard St.)	0.0
	12/29/2005	Sylvester, Lori (19 Kitpu Crescent)	0.0
	12/29/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.0
	12/29/2005	UNSI Office (47 Millard St.)	0.0
	12/29/2005	Health Center (107 Membertou St.)	0.0

Table 10. Chlorine results for Membertou in 2005.

Outside Limits	Date	Sample Location	Chlorine (free) (mg/L)
	1/4/2005	Sylvester, Lori (19 Kitpu Crescent)	1.11
	1/4/2005	Band Office (111 Membertou St.)	1.05
	1/4/2005	Health Center (107 Membertou St.)	1.25
	1/4/2005	UNSI Office (47 Millard St.)	0.94
	1/10/2005	Sylvester, Lori (19 Kitpu Crescent)	1.14
	1/10/2005	Band Office (111 Membertou St.)	1.24
	1/10/2005	Health Center (107 Membertou St.)	1.41
	1/10/2005	UNSI Office (47 Millard St.)	0.71
	1/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0.93
	1/19/2005	UNSI Office (47 Millard St.)	0.94
	1/19/2005	Health Center (107 Membertou St.)	0.92
	1/19/2005	Band Office (111 Membertou St.)	1.09
	1/26/2005	Band Office (111 Membertou St.)	1.54
	1/26/2005	Sylvester, Lori (19 Kitpu Crescent)	1.50
	1/26/2005	Health Center (107 Membertou St.)	1.72
	1/26/2005	UNSI Office (47 Millard St.)	1.77
	2/1/2005	UNSI Office (47 Millard St.)	0.62
	2/1/2005	Health Center (107 Membertou St.)	0.71
	2/1/2005	Sylvester, Lori (19 Kitpu Crescent)	1.14
	2/1/2005	Band Office (111 Membertou St.)	1.11
	2/7/2005	Band Office (111 Membertou St.)	0.72
	2/7/2005	UNSI Office (47 Millard St.)	0.81

2/7/2005	Health Center (107 Membertou St.)	1.48
2/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.64
2/15/2005	UNSI Office (47 Millard St.)	0.66
2/15/2005	Health Center (107 Membertou St.)	0.98
2/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0.88
2/15/2005	Band Office (111 Membertou St.)	0.86
2/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.95
2/22/2005	Band Office (111 Membertou St.)	1.07
2/22/2005	UNSI Office (47 Millard St.)	0.83
2/22/2005	Health Center (107 Membertou St.)	1.16
2/28/2005	Sylvester, Lori (19 Kitpu Crescent)	1.19
2/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.96
2/28/2005	Health Center (107 Membertou St.)	0.76
2/28/2005	UNSI Office (47 Millard St.)	1.12
3/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.70
3/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.02
3/7/2005	Health Center (107 Membertou St.)	0.93
3/7/2005	UNSI Office (47 Millard St.)	1.07
3/14/2005	Sylvester, Lori (19 Kitpu Crescent)	1.07
3/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.30
3/14/2005	Health Center (107 Membertou St.)	0.88
3/14/2005	UNSI Office (47 Millard St.)	1.08
3/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.14
3/22/2005	Health Center (107 Membertou St.)	1.10
3/22/2005	UNSI Office (47 Millard St.)	0.85
3/22/2005	Sylvester, Lori (19 Kitpu Crescent)	1.12
3/30/2005	Sylvester, Lori (19 Kitpu Crescent)	1.12
3/30/2005	Health Center (107 Membertou St.)	0.96
3/30/2005	UNSI Office (47 Millard St.)	1.12
3/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.22
4/4/2005	Health Center (107 Membertou St.)	0.95
4/4/2005	UNSI Office (47 Millard St.)	0.80
4/4/2005	Sylvester, Lori (19 Kitpu Crescent)	1.06
4/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.16
4/11/2005	UNSI Office (47 Millard St.)	0.27
4/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.26
4/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.25
4/11/2005	Health Center (107 Membertou St.)	0.32
4/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0.14

4/19/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.96
4/19/2005	Health Center (107 Membertou St.)	1.93
4/19/2005	UNSI Office (47 Millard St.)	0.94
4/26/2005	Sylvester, Lori (19 Kitpu Crescent)	1.89
4/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.52
4/26/2005	Health Center (107 Membertou St.)	1.27
4/26/2005	UNSI Office (47 Millard St.)	1.27
5/3/2005	Health Center (107 Membertou St.)	0.98
5/3/2005	Sylvester, Lori (19 Kitpu Crescent)	1.21
5/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.29
5/3/2005	UNSI Office (47 Millard St.)	1.30
5/9/2005	UNSI Office (47 Millard St.)	0.58
5/9/2005	Sylvester, Lori (19 Kitpu Crescent)	1.02
5/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.18
5/9/2005	Health Center (107 Membertou St.)	1.02
5/16/2005	UNSI Office (47 Millard St.)	1.09
5/16/2005	Sylvester, Lori (19 Kitpu Crescent)	1.02
5/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.29
5/16/2005	Health Center (107 Membertou St.)	1.08
5/25/2005	Sylvester, Lori (19 Kitpu Crescent)	1.42
5/25/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.53
5/25/2005	UNSI Office (47 Millard St.)	1.16
5/25/2005	Health Center (107 Membertou St.)	1.19
5/30/2005	UNSI Office (47 Millard St.)	1.51
5/30/2005	Health Center (107 Membertou St.)	0.72
5/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.35
5/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0.93
6/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.94
6/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.24
6/7/2005	UNSI Office (47 Millard St.)	0.32
6/7/2005	Health Center (107 Membertou St.)	0.99
6/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.33
6/16/2005	Health Center (107 Membertou St.)	1.07
6/16/2005	UNSI Office (47 Millard St.)	1.20
6/16/2005	Sylvester, Lori (19 Kitpu Crescent)	1.07
6/22/2005	Health Center (107 Membertou St.)	0.93
6/22/2005	Sylvester, Lori (19 Kitpu Crescent)	1.52
6/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.19
6/22/2005	UNSI Office (47 Millard St.)	0.90

6/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.82
6/28/2005	UNSI Office (47 Millard St.)	0.97
6/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.88
6/28/2005	Health Center (107 Membertou St.)	0.76
7/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0.57
7/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.19
7/6/2005	Health Center (107 Membertou St.)	1.14
7/6/2005	UNSI Office (47 Millard St.)	1.08
7/11/2005	Sylvester, Lori (19 Kitpu Crescent)	1.20
7/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.36
7/11/2005	Health Center (107 Membertou St.)	1.27
7/11/2005	UNSI Office (47 Millard St.)	1.04
7/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0.22
7/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.85
7/20/2005	Health Center (107 Membertou St.)	0.85
7/20/2005	UNSI Office (47 Millard St.)	0.74
7/26/2005	Health Center (107 Membertou St.)	0.70
7/26/2005	UNSI Office (47 Millard St.)	0.80
7/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.64
7/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.12
8/4/2005	Sylvester, Lori (19 Kitpu Crescent)	1.10
8/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.20
8/4/2005	Health Center (107 Membertou St.)	0.70
8/4/2005	UNSI Office (47 Millard St.)	0.73
8/9/2005	UNSI Office (47 Millard St.)	0.75
8/9/2005	Health Center (107 Membertou St.)	0.42
8/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.07
8/9/2005	Sylvester, Lori (19 Kitpu Crescent)	1.29
8/15/2005	UNSI Office (47 Millard St.)	1.07
8/15/2005	Health Center (107 Membertou St.)	0.89
8/15/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.50
8/15/2005	Sylvester, Lori (19 Kitpu Crescent)	1.52
8/22/2005	Sylvester, Lori (19 Kitpu Crescent)	1.44
8/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.45
8/22/2005	Health Center (107 Membertou St.)	1.01
8/22/2005	UNSI Office (47 Millard St.)	0.85
8/30/2005	UNSI Office (47 Millard St.)	0.68
8/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.99
8/30/2005	Sylvester, Lori (19 Kitpu Crescent)	1.24

	8/30/2005	Health Center (107 Membertou St.)	1.05
	9/6/2005	Sylvester, Lori (19 Kitpu Crescent)	1.33
	9/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.03
	9/6/2005	UNSI Office (47 Millard St.)	1.13
	9/6/2005	Health Center (107 Membertou St.)	1.48
	9/12/2005	Health Center (107 Membertou St.)	0.63
	9/12/2005	UNSI Office (47 Millard St.)	1.13
	9/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.21
	9/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.90
	9/20/2005	UNSI Office (47 Millard St.)	0.52
	9/20/2005	Health Center (107 Membertou St.)	1.22
	9/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.35
	9/20/2005	Sylvester, Lori (19 Kitpu Crescent)	1.25
	9/26/2005	Health Center (107 Membertou St.)	0.70
	9/26/2005	Sylvester, Lori (19 Kitpu Crescent)	1.39
	9/26/2005	UNSI Office (47 Millard St.)	0.88
	9/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.37
	10/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0.28
	10/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.37
	10/3/2005	Health Center (107 Membertou St.)	1.14
	10/3/2005	UNSI Office (47 Millard St.)	0.63
	10/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.82
	10/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.10
	10/11/2005	Health Center (107 Membertou St.)	0.93
	10/11/2005	UNSI Office (47 Millard St.)	0.73
	10/18/2005	UNSI Office (47 Millard St.)	0.55
	10/18/2005	Sylvester, Lori (19 Kitpu Crescent)	0.81
	10/18/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.33
	10/18/2005	Health Center (107 Membertou St.)	1.22
	10/24/2005	Sylvester, Lori (19 Kitpu Crescent)	1.00
	10/24/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.39
	10/24/2005	Health Center (107 Membertou St.)	1.21
	10/24/2005	UNSI Office (47 Millard St.)	0.59
	10/31/2005	Health Center (107 Membertou St.)	1.15
	10/31/2005		0.42
	10/31/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.38
	10/31/2005	UNSI Office (47 Millard St.)	0.65
	11/8/2005	Sylvester, Lori (19 Kitpu Crescent)	1.03
	11/8/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.62

11/8/2005	Health Center (107 Membertou St.)	0.30
11/8/2005	UNSI Office (47 Millard St.)	0.48
11/14/2005	Sylvester, Lori (19 Kitpu Crescent)	1.02
11/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.18
11/14/2005	Health Center (107 Membertou St.)	0.82
11/14/2005	UNSI Office (47 Millard St.)	0.46
11/23/2005	Sylvester, Lori (19 Kitpu Crescent)	0.57
11/23/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.10
11/23/2005	Health Center (107 Membertou St.)	0.82
11/23/2005	UNSI Office (47 Millard St.)	0.62
11/28/2005	UNSI Office (47 Millard St.)	0.87
11/28/2005	Health Center (107 Membertou St.)	1.27
11/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.34
11/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.45
12/5/2005	UNSI Office (47 Millard St.)	0.90
12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	0.73
12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.36
12/5/2005	Health Center (107 Membertou St.)	0.79
12/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.21
12/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.40
12/12/2005	Health Center (107 Membertou St.)	1.35
12/12/2005	UNSI Office (47 Millard St.)	0.91
12/21/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	1.13
12/21/2005	Sylvester, Lori (19 Kitpu Crescent)	0.68
12/21/2005	Health Center (107 Membertou St.)	0.84
12/21/2005	UNSI Office (47 Millard St.)	0.55
12/29/2005	Sylvester, Lori (19 Kitpu Crescent)	1.15
12/29/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.98
12/29/2005	UNSI Office (47 Millard St.)	0.87
12/29/2005	Health Center (107 Membertou St.)	0.96

Table 11. Summary of routine physical analysis results for drinking water in Membertou (2005).

Sample Type	# samples	# Detects	# non-Detects	# Exceedances	Min.	Max.	Average	95th Percentile	Unit
Turbidity	208	208	0	0	1.50	2.10	0.49	1.19	NTU

Table 12. Results from routine chemical and physical samples for drinking water quality in Membertou (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)
	1/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0.58
	1/4/2005	Band Office (111 Membertou St.)	0.38
	1/4/2005	Health Center (107 Membertou St.)	0.71
	1/4/2005	UNSI Office (47 Millard St.)	0.58
	1/10/2005	Sylvester, Lori (19 Kitpu Crescent)	0.53
	1/10/2005	Band Office (111 Membertou St.)	0.63
	1/10/2005	Health Center (107 Membertou St.)	0.70
	1/10/2005	UNSI Office (47 Millard St.)	0.40
	1/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0.74
	1/19/2005	UNSI Office (47 Millard St.)	0.81
	1/19/2005	Health Center (107 Membertou St.)	0.55
	1/19/2005	Band Office (111 Membertou St.)	0.58
	1/26/2005	Band Office (111 Membertou St.)	0.58
	1/26/2005	Sylvester, Lori (19 Kitpu Crescent)	1.17
	1/26/2005	Health Center (107 Membertou St.)	0.28
	1/26/2005	UNSI Office (47 Millard St.)	0.29
	2/1/2005	UNSI Office (47 Millard St.)	0.33
	2/1/2005	Health Center (107 Membertou St.)	0.89
	2/1/2005	Sylvester, Lori (19 Kitpu Crescent)	0.75
	2/1/2005	Band Office (111 Membertou St.)	0.51
	2/7/2005	Band Office (111 Membertou St.)	0.47
	2/7/2005	UNSI Office (47 Millard St.)	0.41
	2/7/2005	Health Center (107 Membertou St.)	0.64
	2/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.44
	2/15/2005	UNSI Office (47 Millard St.)	1.18
	2/15/2005	Health Center (107 Membertou St.)	2.08
	2/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0.44
	2/15/2005	Band Office (111 Membertou St.)	0.46
	2/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.41
	2/22/2005	Band Office (111 Membertou St.)	0.26
	2/22/2005	UNSI Office (47 Millard St.)	0.43

	2/22/2005	Health Center (107 Membertou St.)	0.81
	2/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.67
	2/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.31
	2/28/2005	Health Center (107 Membertou St.)	0.28
	2/28/2005	UNSI Office (47 Millard St.)	0.50
	3/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.74
	3/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.22
	3/7/2005	Health Center (107 Membertou St.)	0.23
	3/7/2005	UNSI Office (47 Millard St.)	0.22
	3/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0.41
	3/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.20
	3/14/2005	Health Center (107 Membertou St.)	0.34
	3/14/2005	UNSI Office (47 Millard St.)	0.42
	3/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.25
	3/22/2005	Health Center (107 Membertou St.)	0.32
	3/22/2005	UNSI Office (47 Millard St.)	0.18
	3/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.26
	3/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0.26
	3/30/2005	Health Center (107 Membertou St.)	1.13
	3/30/2005	UNSI Office (47 Millard St.)	0.55
	3/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.24
	4/4/2005	Health Center (107 Membertou St.)	0.74
	4/4/2005	UNSI Office (47 Millard St.)	0.54
	4/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0.47
	4/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.27
	4/11/2005	UNSI Office (47 Millard St.)	0.57
	4/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.97
	4/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.95
	4/11/2005	Health Center (107 Membertou St.)	1.09
	4/19/2005	Sylvester, Lori (19 Kitpu Crescent)	0.43
	4/19/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.37
	4/19/2005	Health Center (107 Membertou St.)	0.20
	4/19/2005	UNSI Office (47 Millard St.)	0.20
	4/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.52
	4/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.65
	4/26/2005	Health Center (107 Membertou St.)	0.55
	4/26/2005	UNSI Office (47 Millard St.)	0.26
	5/3/2005	Health Center (107 Membertou St.)	0.22
	5/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0.27

	5/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.22
	5/3/2005	UNSI Office (47 Millard St.)	0.88
	5/9/2005	UNSI Office (47 Millard St.)	0.32
	5/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0.35
	5/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.31
	5/9/2005	Health Center (107 Membertou St.)	0.22
	5/16/2005	UNSI Office (47 Millard St.)	0.37
	5/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0.26
	5/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.59
	5/16/2005	Health Center (107 Membertou St.)	0.20
	5/25/2005	Sylvester, Lori (19 Kitpu Crescent)	0.26
	5/25/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.29
	5/25/2005	UNSI Office (47 Millard St.)	0.60
	5/25/2005	Health Center (107 Membertou St.)	0.32
	5/30/2005	UNSI Office (47 Millard St.)	0.61
	5/30/2005	Health Center (107 Membertou St.)	0.28
	5/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.24
	5/30/2005	Sylvester, Lori (19 Kitpu Crescent)	1.02
	6/7/2005	Sylvester, Lori (19 Kitpu Crescent)	0.31
	6/7/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.56
	6/7/2005	UNSI Office (47 Millard St.)	0.28
	6/7/2005	Health Center (107 Membertou St.)	0.27
	6/16/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.83
	6/16/2005	Health Center (107 Membertou St.)	0.63
	6/16/2005	UNSI Office (47 Millard St.)	0.30
	6/16/2005	Sylvester, Lori (19 Kitpu Crescent)	0.57
	6/22/2005	Health Center (107 Membertou St.)	0.33
	6/22/2005	Sylvester, Lori (19 Kitpu Crescent)	1.37
	6/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.76
	6/22/2005	UNSI Office (47 Millard St.)	0.51
	6/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.42
	6/28/2005	UNSI Office (47 Millard St.)	0.27
	6/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.53
	6/28/2005	Health Center (107 Membertou St.)	0.25
	7/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0.46
	7/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.35
	7/6/2005	Health Center (107 Membertou St.)	0.30
	7/6/2005	UNSI Office (47 Millard St.)	0.33
	7/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.70

	7/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.20
	7/11/2005	Health Center (107 Membertou St.)	0.27
	7/11/2005	UNSI Office (47 Millard St.)	0.47
	7/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0.31
	7/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.57
	7/20/2005	Health Center (107 Membertou St.)	0.30
	7/20/2005	UNSI Office (47 Millard St.)	0.24
	7/26/2005	Health Center (107 Membertou St.)	0.31
	7/26/2005	UNSI Office (47 Millard St.)	0.25
	7/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.27
	7/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.21
	8/4/2005	Sylvester, Lori (19 Kitpu Crescent)	0.42
	8/4/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.39
	8/4/2005	Health Center (107 Membertou St.)	0.22
	8/4/2005	UNSI Office (47 Millard St.)	0.21
	8/9/2005	UNSI Office (47 Millard St.)	2.10
	8/9/2005	Health Center (107 Membertou St.)	1.69
	8/9/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.66
	8/9/2005	Sylvester, Lori (19 Kitpu Crescent)	0.38
	8/15/2005	UNSI Office (47 Millard St.)	0.51
	8/15/2005	Health Center (107 Membertou St.)	1.94
	8/15/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.27
	8/15/2005	Sylvester, Lori (19 Kitpu Crescent)	0.50
	8/22/2005	Sylvester, Lori (19 Kitpu Crescent)	0.51
	8/22/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.60
	8/22/2005	Health Center (107 Membertou St.)	0.81
	8/22/2005	UNSI Office (47 Millard St.)	0.21
	8/30/2005	UNSI Office (47 Millard St.)	0.31
	8/30/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.21
	8/30/2005	Sylvester, Lori (19 Kitpu Crescent)	0.45
	8/30/2005	Health Center (107 Membertou St.)	0.41
	9/6/2005	Sylvester, Lori (19 Kitpu Crescent)	0.21
	9/6/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.57
	9/6/2005	UNSI Office (47 Millard St.)	1.06
	9/6/2005	Health Center (107 Membertou St.)	1.76
	9/12/2005	Health Center (107 Membertou St.)	0.36
	9/12/2005	UNSI Office (47 Millard St.)	1.35
	9/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.53
	9/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.60

	9/20/2005	UNSI Office (47 Millard St.)	0.67
	9/20/2005	Health Center (107 Membertou St.)	0.58
	9/20/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.26
	9/20/2005	Sylvester, Lori (19 Kitpu Crescent)	0.45
	9/26/2005	Health Center (107 Membertou St.)	0.28
	9/26/2005	Sylvester, Lori (19 Kitpu Crescent)	0.19
	9/26/2005	UNSI Office (47 Millard St.)	0.27
	9/26/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.60
	10/3/2005	Sylvester, Lori (19 Kitpu Crescent)	0.40
	10/3/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.35
	10/3/2005	Health Center (107 Membertou St.)	1.30
	10/3/2005	UNSI Office (47 Millard St.)	0.82
	10/11/2005	Sylvester, Lori (19 Kitpu Crescent)	0.58
	10/11/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.33
	10/11/2005	Health Center (107 Membertou St.)	0.91
	10/11/2005	UNSI Office (47 Millard St.)	0.24
	10/18/2005	UNSI Office (47 Millard St.)	1.52
	10/18/2005	Sylvester, Lori (19 Kitpu Crescent)	0.34
	10/18/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.28
	10/18/2005	Health Center (107 Membertou St.)	0.31
	10/24/2005	Sylvester, Lori (19 Kitpu Crescent)	0.28
	10/24/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.49
	10/24/2005	Health Center (107 Membertou St.)	0.28
	10/24/2005	UNSI Office (47 Millard St.)	0.42
	10/31/2005	Health Center (107 Membertou St.)	0.30
	10/31/2005	Sylvester, Lori (19 Kitpu Crescent)	0.21
	10/31/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.42
	10/31/2005	UNSI Office (47 Millard St.)	0.21
	11/8/2005	Sylvester, Lori (19 Kitpu Crescent)	0.34
	11/8/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.25
	11/8/2005	Health Center (107 Membertou St.)	0.30
	11/8/2005	UNSI Office (47 Millard St.)	0.37
	11/14/2005	Sylvester, Lori (19 Kitpu Crescent)	0.20
	11/14/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.27
	11/14/2005	Health Center (107 Membertou St.)	0.17
	11/14/2005	UNSI Office (47 Millard St.)	0.23
	11/23/2005	Sylvester, Lori (19 Kitpu Crescent)	0.25
	11/23/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.30
	11/23/2005	Health Center (107 Membertou St.)	0.25

	11/23/2005	UNSI Office (47 Millard St.)	0.18
	11/28/2005	UNSI Office (47 Millard St.)	0.15
	11/28/2005	Health Center (107 Membertou St.)	0.59
	11/28/2005	Sylvester, Lori (19 Kitpu Crescent)	0.78
	11/28/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.46
	12/5/2005	UNSI Office (47 Millard St.)	0.18
	12/5/2005	Sylvester, Lori (19 Kitpu Crescent)	0.37
	12/5/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.26
	12/5/2005	Health Center (107 Membertou St.)	1.19
	12/12/2005	Sylvester, Lori (19 Kitpu Crescent)	0.38
	12/12/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.41
	12/12/2005	Health Center (107 Membertou St.)	0.68
	12/12/2005	UNSI Office (47 Millard St.)	0.32
	12/21/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.33
	12/21/2005	Sylvester, Lori (19 Kitpu Crescent)	0.49
	12/21/2005	Health Center (107 Membertou St.)	0.36
	12/21/2005	UNSI Office (47 Millard St.)	0.54
	12/29/2005	Sylvester, Lori (19 Kitpu Crescent)	0.25
	12/29/2005	Tupsi Drive Apartments (65 Tupsi Dr.)	0.27
	12/29/2005	UNSI Office (47 Millard St.)	0.27
	12/29/2005	Health Center (107 Membertou St.)	0.67

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