

# Summerside



## **WATER SYSTEM REPORT**

**2014**

**Prepared By**

**Municipal Services - City of Summerside**

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**Water System Report**  
**January – December, 2014**  
**City of Summerside, Prince Edward Island**  
**Department of Municipal Services**

**Introduction**

The City of Summerside began sampling and testing drinking water on a bi-weekly basis in the 1960’s. In 2001 Summerside established the present policy for water sampling. This policy ensures that the drinking water quality in Summerside is maintained according to the standards set out in the Guidelines for Canadian Drinking Water Quality. In unique situations which are not addressed by these Guidelines, the City is committed to follow the guidance of the PEI Chief Health Officer. This report fulfills the City’s regulated requirement for summarizing system water quality on an annual basis and is intended to be public information.

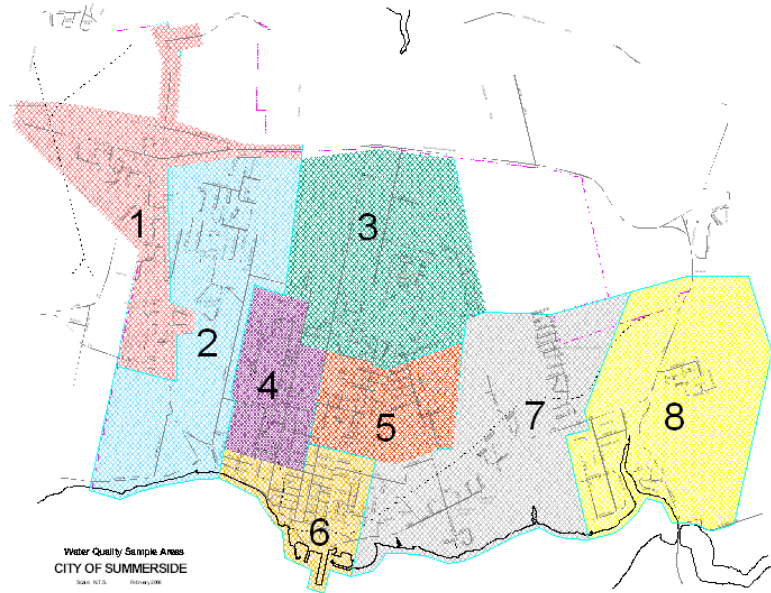
**Summary**

City officials have divided the water distribution system into 8 representative areas. Water samples (one from each area as well as one from each active well) are collected and analyzed for bacteria every two weeks. The number of sample locations and frequency of sampling was determined in accordance with the Guidelines for Canadian Drinking Water Quality. **Table 1** lists below the most commonly used sample locations for 2014.

<b>Sample Location</b>	<b>Civic Address (Summerside, P.E.I.)</b>	<b>City Sampling Zone</b>
St. Eleanor’s Community Center	1 West Drive	1
Illsley’s Feed Store	61 Mill Crescent	2
Granville Street Convenience	486 Granville Street	3
Summerset Manor	15 Frank Mellish Street	3
Lions Club Senior’s Residence	326 Brophy Avenue	4
Summerside Fire Hall #1	251 Foundry Street	5
Circle K Convenience Store	96 Water Street	6
Ben’s Bakery Outlet Store	686 Water Street East	7
Read’s Corner Tim Horton’s	820 Water Street East	8
<b>City Water Source Location</b>		
S1 Well	411 Northmarket Street	6
S7 Well	123 Walker Avenue	3
S8 Well	507 MacEwen Road	3
S10 Well	277 Greenwood Drive	2
SE4 Well	26 Briggs Street	1
Wilmot Well Field (5 wells)	855 Read Drive	8

**Table 1: Water Sample Locations**

The sampling zones listed in Table 1 are shown below in **Figure 1: Summerside Water Sample Areas**. These 8 sampling zones were selected according to the EPA Drinking Water and Wastewater Facility Operating Regulations. If any of the regular sampling locations are inaccessible to City staff on a scheduled sampling day, an alternate location from the same zone is sampled as a substitute.



**Figure 1: Summerside Water Sample Areas**

Following collection, all water samples are sent to the Provincial Department of Environment Analytical Laboratory in Charlottetown. Each sample is tested for Total Coliforms DC and Escherichia Coli DC (E. Coli). In addition to the bacteria tests which are performed at the Provincial lab, the Free Chlorine Residual is analyzed and recorded by City Staff at the time of sample collection, as required by section 11(1)(e) of the Drinking Water and Wastewater Facility Operating Regulations.

## **Bacteria Testing Results**

During the 2014 year 369 water samples from the Summerside distribution system and wells were tested for Bacteria at the P.E.I. Analytical Laboratory. Of these 360 samples were taken from the public drinking water system as regular testing. The remaining 9 samples were taken because of requests from customers for testing services. 100% of samples taken for customer requests passed the requirements for the Guidelines for Canadian Drinking Water.

During 2014 there were 15 samples which showed non-zero bacteria counts. No water was declared unfit to drink. Of note in 2014 was a sample from SE4 well on Briggs Street which showed a Total Coliform count greater than 80. The well was immediately shut off as a precaution and resampled for 2 consecutive days. These samples showed zero bacteria counts so it was concluded, in consultation with the PEI Department of Environment, that the well was safe to return to service and the first sample was likely the result of human error. Also of note in 2014 were 6 non-zero bacteria count samples collected from the Summerset Manor on Frank Mellish Street. City staff worked together with maintenance staff from the manor to determine that the water piped into the building had zero bacteria counts and the source of contamination was determined to be a piece of equipment inside the manor. Manor staff disinfected this piece of equipment and the City made the manor a regular sample point to allow continuing testing of the water.

## Chemistry Analysis

The EPA Drinking Water and Wastewater Facility Operating Regulations require all active wells to be subject to chemical analysis. A general chemical analysis of each well must be performed annually and a detailed analysis every three years. All water chemistry analysis for Summerside is performed at the Provincial Analytical Laboratory. The Guidelines for Canadian Drinking Water Quality set a Maximum Allowable Concentration (MAC) for various chemical contents of drinking water.

General chemistry analysis on water from all of Summerside's active wells was performed on March 20, 2014 and included in this report. As shown in the general chemistry spreadsheet, all wells contained water which falls within the Health Canada Guidelines for drinking water – that is to say that no water sample collected exceeded the Maximum Allowable Concentration (MAC) for any chemical component.

Summerside performs detailed chemical analysis on wells on a 3 year rotation as required by the province. These tests were performed in 2014 and will be performed again in 2017. 2014 testing showed that all water samples from all Summerside wells are compliant with Health Canada Guidelines for healthy drinking water.

During 2014 City of Summerside staff collected 89 samples for nitrate analysis. The Guidelines for Canadian Drinking Water Quality set 10 mg/L as the Maximum Allowable Concentration for Nitrates. All samples taken during 2014 from the Summerside system were within the allowable limits. The lowest Nitrate value measured for 2013 was 2.7 parts per million (ppm) and the highest value measured was 9.8 ppm.

## Chlorination of Water System

Drinking water in the Summerside system is subject to only 1 type of treatment. Chlorine (as sodium hypochlorite liquid) is applied at each well. The goal of chlorination is to maintain a

Free Chlorine Residual of at least 0.1 mg/L or higher at all points in the system at all times. This level of chlorination is the industry minimum standard for drinking water disinfection and is recommended by the Guidelines for Canadian Drinking Water Quality.

City Staff evaluate the free chlorine residual of each water sample used for bacteria testing. This means that on average of 12 free chlorine residual tests are performed at the same locations as bacteria tests on a biweekly basis. Chlorine Residuals are also tested at each well 3 or 4 times per week. During 2014 the lowest chlorine level measured was 0.01 mg/L and the highest was 1.34 mg/L. Chlorine readings are shown in the Microchemistry spreadsheet and although these two values represent the highest and lowest measurements for the year they are by no means the typical measurements and the spreadsheet should be consulted for more information. Therefore, all chlorine residuals were within acceptable levels.

## Statistic Summary

Statistic	Value for 2014
Samples Tested for Bacteria	369
Bacteria Tests done at Customer Request	9 (100% pass rate)
Bacteria Tests with non-zero results	15
Nitrate Samples Tested	89 (100% pass rate)
General Chemistry Tests	9 – 100% pass rate
Highest Nitrate Concentration	9.8 ppm (10ppm allowable maximum)
Lowest Nitrate Concentration	2.7 ppm
Sampling Areas	8
Number of Active Wells in System	10
Highest Chlorine Residual Measured	1.34 mg/L
Lowest Chlorine Residual Measured	0.01 mg/L (0.1 minimum recommended)

**Table 2: Statistic Summary for Summerside 2014**

**Table 2** summarizes statistics for the Summerside water system for 2014. Please note that 4 spreadsheets of test results (Bacteria testing, Nitrate monitoring, General Well Chemistry, and Detailed Well Chemistry) are available on the City website. For help understanding results please feel free to contact the City.

## **Conclusion**

The City of Summerside Municipal Works department continues to operate and maintain a safe water utility, delivering water which meets the Canadian Drinking Water Guidelines as set out by Health Canada. The public are welcome to contact the Municipal Services Director at 902-432-1272 with any questions.

## Suggested Reading Material

1. Bacterial Drinking Water Analysis

This brochure was prepared by the PEI Department of Environment and explains how water samples are tested for bacteria on PEI. The handout also explains what types of bacteria are tested for and what the test results mean. <http://www.gov.pe.ca/photos/original/watertest.pdf>

2. Guidelines for Canadian Drinking Water Quality (Health Canada)

This detailed document lists the Maximum Allowable Concentration of numerous components which we test our water for.

<http://www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/guide/index-eng.php>



# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140102019	St. Eleanor's Community Center	Jan-2-2014	1 West Drive	1	0.41	0	0	0
P140102018	Illsley's Feed Store	Jan-2-2014	61 Mill Cr.	2	0.55	0	0	0
P140102017	Granville Gas and Convenience Center	Jan-2-2014	486 Granville Street	3	0.44	0	0	0
P140102016	Lions Club Senior Housing	Jan-2-2014	326 Brophy St	4	0.49	0	0	0
P140102015	Summerside Firehall 1	Jan-2-2014	251 Foundry Street	6	0.27	0	0	0
P140102014	Circle K Water St	Jan-2-2014	96 Water Street	6	0.26	0	0	0
P140102013	Bens Bakery Outlet Store	Jan-2-2014	686 Water Street East	7	0.59	0	0	0
P140102012	Tim Hortons Esso	Jan-2-2014	820 Water Street East	8	0.42	0	0	0
P140102011	S1 Well	Jan-2-2014	411 Northmarket St	6	0.33	0	0	0
P140102009	SE4 Well	Jan-2-2014	26 Briggs St	1	0.61	0	0	0
P140102010	Wilmot Wellfield Gallery	Jan-2-2014	855 Read Drive	8	0.67	0	0	0
P140114043	St. Eleanor's Community Center	Jan-14-2014	1 West Drive	1	0.42	0	0	0
P140114042	Illsley's Feed Store	Jan-14-2014	61 Mill Cr.	2	0.54	0	0	0
P140114041	Granville Gas and Convenience Center	Jan-14-2014	486 Granville Street	3	0.49	0	0	0
P140114040	Lions Club Senior Housing	Jan-14-2014	326 Brophy Street	4	0.54	0	0	0
P140114039	Summerside Firehall 1	Jan-14-2014	251 Foundry Street	6	0.41	0	0	0
P140114038	Circle K Water St	Jan-14-2014	96 Water Street	6	0.25	0	0	0
P140114037	Bens Bakery Outlet Store	Jan-14-2014	686 Water Street East	7	0.40	0	0	0
P140114036	Tim Hortons Esso	Jan-14-2014	820 Water Street East	8	0.65	0	0	0
P140114034	S1 Well	Jan-14-2014	411 Northmarket St	6	0.81	0	0	0
P140114035	S7 Well	Jan-14-2014	123 Walker Avenue	3	0.41	0	0	0
P140114032	S10 Well	Jan-14-2014	277 Greenwood Dr	2	0.65	0	0	0
P140114031	SE4	Jan-14-2014	26 Briggs St	1	0.61	0	0	0
P140114033	Wilmot Wellfield Gallery	Jan-14-2014	855 Read Drive	8	0.77	0	0	0
P140128032	St. Eleanor's Community Center	Jan-28-2014	1 West Drive	1	0.63	0	0	0
P140128031	Illsley's Feed Store	Jan-28-2014	61 Mill Cr	2	0.55	0	0	0
P140128030	Granville Gas and Convenience Center	Jan-28-2014	486 Granville Street	3	0.66	0	0	0

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**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140128029	Lions Club Seniors Appartments	Jan-28-2014	326 Brophy Street	4	0.50	0	0	0
P140128028	Summerside Firehall 1	Jan-28-2014	251 Foundry Street	6	0.39	0	0	0
P140128027	Circle K Water St	Jan-28-2014	96 Water Street	6	0.30	0	0	0
P140128026	Bens Bakery Outlet Store	Jan-28-2014	686 Water Street East	7	0.62	0	0	0
P140128025	Tim Hortons Esso	Jan-28-2014	820 Water Street East	8	0.56	0	0	0
P140128023	S1 Well	Jan-28-2014	411 Northmarket St	6	0.98	0	0	0
P140128024	S7 Well	Jan-28-2014	123 Walker Avenue	3	0.78	0	0	0
P140128021	S10 Well	Jan-28-2014	277 Greenwood Drive	2	0.62	0	0	0
P140128020	SE4 Well	Jan-28-2014	26 Briggs St	1	0.88	0	0	0
P140128022	Wilmot Wellfield Gallery	Jan-28-2014	855 Read Drive	8	0.76	0	0	0
P140211042	St. Eleanor's Community Center	Feb-11-2014	1 West Drive	1	0.58	0	0	0
P140211041	Illsley's Feed Store	Feb-11-2014	61 Mill Cr	2	0.42	0	0	0
P140211040	Granville Gas and Convinience Center	Feb-11-2014	486 Granville Street	3	0.36	0	0	0
P140211039	Wedgewood Manor	Feb-11-2014	324 Brophy St	4	0.33	0	0	0
P140211038	Summerside Firehall 1	Feb-11-2014	251 Foundry Street	6	0.40	0	0	0
P140211037	Circle K Water St	Feb-11-2014	96 Water Street	6	0.42	0	0	0
P140211036	Bens Bakery Outlet Store	Feb-11-2014	686 Water Street East	7	0.63	0	0	0
P140211035	Tim Hortons Esso	Feb-11-2014	820 Water Street East	8	0.61	0	0	0
P140211033	S1 Well	Feb-11-2014	411 Northmarket St	6	0.79	0	0	0
P140211034	S7 Well	Feb-11-2014	123 Walker Avenue	3	0.48	0	0	0
P140211031	SE4 Well	Feb-11-2014	26 Briggs Street	1	0.57	0	0	0
P140211032	Wilmot Wellfield Gallery	Feb-11-2014	855 Read Drive	8	0.71	0	0	0
P140225023	St. Eleanor's Community Center	Feb-27-2014	1 West Drive	1	0.59	0	0	0
P140225024	Illsley's Feed Service	Feb-27-2014	61 Mill Cr	2	0.56	0	0	0
P140225025	Granville Gas and Convinience Center	Feb-27-2014	486 Granville Street	3	0.49	0	0	0
P140225026	Lions Club Seniors Appartments	Feb-27-2014	326 Brophy Street	4	0.5	0	0	0
P140225027	Summerside Firehall 1	Feb-27-2014	251 Foundry Street	6	0.38	0	0	0

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Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140225028	Circle K Water St	Feb-27-2014	96 Water Street	6	0.26	0	0	0
P140225029	Bens Bakery Outlet Store	Feb-27-2014	686 Water Street East	7	0.57	0	0	0
P140225030	Tim Hortons Esso	Feb-27-2014	820 Water Street East	8	0.68	0	0	0
P140225032	S1 Well	Feb-27-2014	411 Northmarket St	6	0.97	0	0	0
P140225031	S7 Well	Feb-27-2014	123 Walker Avenue	3	0.98	0	0	0
P140225034	SE4 Well	Feb-27-2014	26 Briggs Street	1	0.56	0	0	0
P140225033	Wilmot Wellfield Gallery	Feb-27-2014	855 Read Drive	8	0.87	0	0	0
P140311048	Summerside Electric Office	March-11-2014	94 ottawa St	6	0.51	0	0	0
P140311049	Summerside Electric Plant	March-11-2014	99 Harvard St	6	0.04	0	0	0
P140311047	Private Residence	March-11-2014	322 Poplar Ave	4	0.11	0	0	0
P140311034	St. Eleanor's Community Center	March-11-2014	1 West Drive	1	0.56	0	0	0
P140311035	Illsley's Feeds Store	March-11-2014	61 Mill Cr	2	0.54	0	0	0
P140311036	Granville Gas and Convenience Center	March-11-2014	486 Granville Street	3	0.37	0	0	0
P140311037	Lions Club Seniors Apartments	March-11-2014	326 Brophy Street	4	0.51	0	0	0
P140311038	Summerside Firehall 1	March-11-2014	251 Foundry Street	6	0.4	0	0	0
P140311039	Circle K Water St	March-11-2014	96 Water Street	6	0.41	0	0	0
P140311040	Bens Bakery Outlet Store	March-11-2014	686 Water Street East	7	0.62	0	0	0
P140311041	Tim Hortons Esso	March-11-2014	820 Water Street East	8	0.50	0	0	0
P140311043	S1 Well	March-11-2014	411 Northmarket St	6	0.87	0	0	2
P140311042	S7 Well	March-11-2014	123 Walker Avenue	3	0.55	0	0	0
P140311045	S10 Well	March-11-2014	277 Greenwood Dr	2	0.78	0	0	0
P140311046	SE4 Well	March-11-2014	26 Briggs St	1	0.56	0	0	0
P140311044	Wilmot Wellfield Gallery	March-11-2014	855 Read Drive	8	0.76	0	0	0
P140320002	S8 Well	March-19-2014	507 MacEwen Road	3	0.14	0	0	0
P140325035	St. Eleanor's Community Center	March-25-2014	1 West Drive	1	0.54	0	0	0
P140325034	Illsley's Feeds Store	March-25-2014	61 Mill Cr	2	0.50	0	0	0

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Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140325033	Granville Gas and Convenience Center	March-25-2014	486 Granville Street	3	0.36	0	0	0
P140325032	Lions Club Seniors Apartments	March-25-2014	326 Brophy Street	4	0.47	0	0	0
P140325031	Summerside Firehall 1	March-25-2014	251 Foundry Street	6	0.39	0	0	0
P140325030	Circle K Water St	March-25-2014	96 Water Street	6	0.33	0	0	0
P140325029	Bens Bakery Outlet Store	March-25-2014	686 Water Street East	7	0.63	0	0	0
P140325028	Tim Hortons Esso	March-25-2014	820 Water Street East	8	0.47	0	0	0
P140325026	S1 Well	March-25-2014	411 Northmarket St	6	0.77	0	0	0
P140325027	S7 Well	March-25-2014	123 Walker Avenue	3	0.68	0	0	0
P140325022	S8 Well	March-25-2014	507 MacEwen Road	3	0.54	0	0	0
P140325024	S10 Well	March-25-2014	277 Greenwood Dr	2	0.71	0	0	0
P140325023	SE4 Well	March-25-2014	26 Briggs Street	1	0.62	0	0	0
P140408053	St. Eleanor's Community Center	April-8-2014	1 West Drive	1	0.35	0	0	0
P140408052	Illsleys Feed Store	April-8-2014	61 Mill Crescent	2	0.43	0	0	0
P140408051	Granville Gas and Convenience Center	April-8-2014	486 Granville Street	3	0.27	0	0	0
P140408050	Lions Club Seniors Apartments	April-8-2014	326 Brophy Street	4	0.44	0	0	0
P140408049	Summerside Firehall 1	April-8-2014	251 Foundry Street	6	0.39	0	0	0
P140408048	Circle K Water St	April-8-2014	96 Water Street	6	0.37	0	0	0
P140408047	Bens Bakery Outlet Store	April-8-2014	686 Water Street East	7	0.6	0	0	0
P140408046	Tim Hortons Esso	April-8-2014	820 Water Street East	8	0.41	0	0	0
P140408044	S1 Well	April-8-2014	411 Northmarket St	6	0.81	0	0	0
P140408045	S7 Well	April-8-2014	123 Walker Avenue	3	0.54	0	0	0
P140408040	S8 Well	April-8-2014	507 MacEwen Road	3	0.60	0	0	0
P140408042	S10	April-8-2014	277 Greenwood Dr	2	0.50	0	0	0
P140408041	SE4 Well	April-8-2014	26 Briggs Street	1	0.61	0	0	0
P140408043	Wilmot Wellfield Gallery	April-8-2014	855 Read Drive	8	0.67	0	0	0
P140422025	St. Eleanor's Community Center	April-22-2014	1 West Drive	1	0.55	0	0	0
P140422024	Illsley's Feed Store	April-22-2014	61 Mill Cres	2	0.41	0	0	0



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Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140522070	St. Eleanor's Community Center	May-22-2014	1 West Drive	1	0.72	0	0	0
P140522069	Ilsley's Feed Store	May-22-2014	61 Mill Crescent	2	0.35	0	0	0
P140522068	Granville Gas and Convenience Center	May-22-2014	486 Granville Street	3	0.53	0	0	0
P140522067	Lions Club Seniors Apartments	May-22-2014	326 Brophy Street	4	0.57	0	0	0
P140522066	Summerside Fire Station 1	May-22-2014	251 Foundry Street	6	0.39	0	0	0
P140522065	Circle K Water St	May-22-2014	96 Water Street	6	0.2	0	0	0
P140522064	Bens Bakery Outlet Store	May-22-2014	686 Water Street East	7	0.35	0	0	0
P140522063	Tim Hortons Esso	May-22-2014	820 Water Street East	8	0.58	0	0	0
P140522061	S1 Well	May-22-2014	411 Northmarket Street	6	0.98	0	0	0
P140522062	S7 Well	May-22-2014	123 Walker Avenue	3	0.58	0	0	0
P140522059	S10 Well	May-22-2014	277 Greenwood Drive	2	0.72	0	0	0
P140522058	SE4 Well	May-22-2014	26 Briggs Street	1	0.76	0	0	0
P140522060	Wilmot Wellfield Gallery	May-22-2014	855 Read Drive	8	0.86	0	0	0
P140603081	St. Eleanor's Community Center	June-3-2014	1 West Drive	1	0.43	0	0	0
P140603080	Ilsley's Feed Store	June-3-2014	61 Mill Crescent	2	0.45	0	0	0
P140603079	Granville Gas and Convenience Center	June-3-2014	486 Granville Street	3	0.32	0	0	0
P140603078	Lions Club Seniors Apartments	June-3-2014	326 Brophy Street	4	0.50	0	0	0
P140603077	Summerside Fire Station 1	June-3-2014	251 Foundry	6	0.37	0	0	0
P140603076	Circle K Water St	June-3-2014	96 Water Street	6	0.39	0	0	0
P140603075	Bens Bakery Outlet Store	June-3-2014	686 Water Street East	7	0.36	0	0	0
P140603074	Tim Hortons Esso	June-3-2014	820 Water Street East	8	0.37	0	0	0
P140603072	S1 Well	June-3-2014	411 Northmarket St	6	0.79	0	0	0
P140603073	S7 Well	June-3-2014	123 Walker Avenue	3	0.53	0	0	0
P140603070	S10 Well	June-3-2014	277 Greenwood Drive	2	0.72	0	0	0
P140603069	SE4 Well	June-3-2014	26 Briggs Street	1	0.67	0	0	0
P140603071	Wilmot Wellfield Gallery	June-3-2014	855 Read Drive	8	0.66	0	0	0
P140617070	St. Eleanor's Community Center	June-17-2014	1 West Drive	1	0.34	0	0	0

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Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140617071	Illsley's Feed Store	June-17-2014	61 Mill	2	0.57	0	0	0
P140617072	Granville Gas and Convinience Center	June-17-2014	486 Granville Street	3	0.58	0	0	0
P140617073	Lions Club Seniors Appartments	June-17-2014	326 Brophy Street	4	0.52	0	0	0
P140617074	Summerside Fire Station 1	June-17-2014	251 Foundry	6	0.45	0	0	0
P140617075	Circle K Water St	June-17-2014	96 Water Street	6	0.21	0	0	0
P140617076	Bens Bakery Outlet Store	June-17-2014	686 Water Street East	7	0.47	0	0	0
P140617077	Tim Hortons Esso	June-17-2014	820 Water Street East	8	0.65	0	0	0
P140617079	S1 Well	June-17-2014	411 Northmarket St	6	1.11	1	0	0
P140617078	S7 Well	June-17-2014	123 Walker Avenue	3	0.64	0	0	0
P140617081	S10 Well	June-17-2014	277 Greenwood Drive	2	0.77	0	0	0
P140617082	SE4 Well	June-17-2014	26 Briggs Street	1	0.61	1	0	0
P140617080	Wilmot Wellfield Gallery	June-17-2014	855 Read Drive	8	0.88	0	0	0
P140702044	St. Eleanor's Community Center	July-2-2014	1 West Drive	1	0.53	0	0	0
P140702043	Illsley's Feed Store	July-2-2014	61 Mill cr	2	0.48	0	0	0
P140702042	Granville Gas and Convinience Center	July-2-2014	486 Granville Street	3	0.57	0	0	0
P140702041	Lions Club Seniors Appartments	July-2-2014	326 Brophy Street	4	0.50	0	0	0
P140702040	Summerside Fire Station 1	July-2-2014	251 Foundry	6	0.33	0	0	0
P140702039	Circle K Water St	July-2-2014	96 Water Street	6	0.1	0	0	0
P140702038	Bens Bakery Outlet Store	July-2-2014	686 Water Street East	7	0.60	0	0	0
P140702037	Tim Hortons Esso	July-2-2014	820 Water Street East	8	0.69	0	0	0
P140702032	S1 Well	July-2-2014	411 Northmarket St	6	0.75	0	0	0
P140702036	S7 Well	July-2-2014	123 Walker Avenue	3	0.60	0	0	0
P140702034	S10 Well	July-2-2014	277 Greenwood Drive	2	0.77	0	0	0
P140702033	SE4 Well	July-2-2014	26 Briggs Street	1	0.55	0	0	0
P140702035	Wilmot Wellfield Gallery	July-2-2014	855 Read Drive	8	0.86	0	0	0
P140715085	St. Eleanor's Community Center	July-15-2014	1 West Drive	1	0.32	0	0	0







# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140806061	Summerset Manor water main entrance	August-5-2014	15 Frank Mellish St	3	0.48	0	0	0
P140806062	Summerset Manor Serenity Wing	August-5-2014	15 Frank Mellish St	3	0.02	17	0	>200
P140806063	Summerset Manor Kitchen	August-5-2014	15 Frank Mellish St	3	0.01	18	0	>200
P140808055	Summerset Manor House of Friends	August-8-2014	15 Frank Mellish St	3	0.34	0	0	0
P140808056	Summerset Manor Serenity Servi Room	August-8-2014	15 Frank Mellish St	3	0.35	5	0	0
P140808057	Summerset Manor Kitchen	August-8-2014	15 Frank Mellish St	3	0.37	0	0	0
P140812120	St. Eleanor's Community Center	August-12-2014	1 West Drive	1	0.51	0	0	0
P140812119	Illsley's Feed Store	August-12-2014	61 Mill Cr	2	0.41	0	0	0
P140812118	Summerset Manor Serenity Servery	August-12-2014	15 Frank Mellish St	3	0.34	0	0	0
P140812117	Lions Club Seniors Appartments	August-12-2014	326 Brophy Street	4	0.43	0	0	0
P140812116	Summerside Fire Station 1	August-12-2014	251 Foundry	6	0.23	0	0	0
P140812115	Circle K Water St	August-12-2014	96 Water Street	6	0.29	0	0	0
P140812114	Bens Bakery Outlet Store	August-12-2014	686 Water Street East	7	0.33	0	0	0
P140812113	Tim Hortons Esso	August-12-2014	820 Water Street East	8	0.46	0	0	0
P140812111	S1 Well	August-12-2014	411 Northmarket St	6	0.56	0	0	0
P140812112	S7 Well	August-12-2014	123 Walker Ave	3	0.58	0	0	0
P140812109	S10 Well	August-12-2014	277 Greenwood Drive	2	0.52	0	0	0
P140812108	SE4 Well	August-12-2014	26 Briggs Street	1	0.61	0	0	0
P140812110	Wilmot Wellfield Pipe Gallery	August-12-2014	855 Read Drive	8	0.69	0	0	0
P140826085	St. Eleanor's Community Center	August-26-2014	1 West Drive	1	0.45	0	0	0
P140826084	Illsley's Feed Store	August-26-2014	61 Mill Cr.	2	0.40	0	0	0
P140826073	Summerset Manor	August-26-2014	15 Frank Mellish St	3	0.33	0	0	0
P140826083	Summerset Manor water softener	August-26-2014	15 Frank Mellish St	3	0.03	>80	0	>200.
P140826082	Lions Club Seniors Appartments	August-26-2014	326 Brophy Street	4	0.24	0	0	0
P140826080	Circle K Water Street	August-26-2014	96 Water Street	6	0.38	0	0	0
P140826078	Tim Hortons Esso	August-26-2014	820 Water Street East	8	0.53	0	0	0

# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140826076	S1 Well	August-26-2014	411 North Market St	6	0.49	2	0	0
P140826077	S7 Well	August-26-2014	123 Walker Ave	3	0.75	0	0	0
P140826074	SE4 Well	August-26-2014	26 Briggs St	1	0.51	0	0	0
P140826081	Summerside Fire Station 1	August-26-2014	251 Foundry Street	6	0.46	7	0	0
P140826079	Bens Bakery Outlet Store	August-26-2014	686 Water Street East	7	0.32	0	0	0
P140826075	Wilmot Wellfield Gallery	August-26-2014	855 Read Drive	8	0.69	1	0	0
P140909079	St. Eleanor's Community Center	Sept-9-2014	1 West Drive	1	0.57	0	0	0
P140909078	Illsley's Feed Store	Sept-9-2014	61 Mill Cr	2	0.47	0	0	0
P140909066	Summerset Manor	Sept-9-2014	15 Frank mellish St	3	0.29	0	0	0
P140909077	Summerset manor	Sept-9-2014	15 Frank Mellish St	3	0.40	0	0	0
P140909076	Lions Club Seniors Appartments	Sept-9-2014	326 Brophy Street	4	0.41	0	0	0
P140909075	Summerside Fire Station 1	Sept-9-2014	251 Foundry	6	0.30	0	0	0
P140909074	Circle K Water St	Sept-9-2014	96 Water Street	6	0.1	0	0	0
P140909073	Bens Bakery Outlet Store	Sept-9-2014	686 Water Street East	7	0.51	0	0	0
P140909072	Tim Hortons Esso	Sept-9-2014	820 Water Street East	8	0.56	0	0	0
P140909070	S1 Well	Sept-9-2014	411 North Market St	6	1.00	0	0	0
P140909071	S7 Well	Sept-9-2014	123 Walker Ave	3	0.64	1	0	0
P140909068	SE4 Well	Sept-9-2014	26 Briggs Street	1	0.58	0	0	0
P140909069	Wilmot Wellfield Gallery	Sept-9-2014	855 Read Drive	8	0.72	0	0	0
P140912007	S8 Well not in service yet	Sept-11-2014	507 MacEwen Road	3	0.05	0	0	0
P140912036	S8 Well not in service yet	Sept-12-2014	507 MacEwen Road	3	0.01	0	0	0
P140923050	St. Eleanor's Community Center	Sept-23-2014	1 West Drive	1	0.11	0	0	0
P140923051	Illsleys Feed Store	Sept-23-2014	61 Mill Cr	2	0.48	0	0	0
P140923066	Summerset Manor Softener #1	Sept-23-2014	15 Frank Mellish St	3	0.05	0	0	0
P140909052	Summerset Manor Softener #2	Sept-23-2014	15 Frank Mellish St	3	0.03	6	0	0
P140923053	Lions Club Seniors Appartments	Sept-23-2014	326 Brophy Street	4	0.31	0	0	0

# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P140923054	Summerside Fire Station 1	Sept-23-2014	251 Foundry St	6	0.27	0	0	0
P140923055	Circle K Water St	Sept-23-2014	96 Water Street	6	0.11	0	0	0
P140923056	Bens Bakery Outlet Store	Sept-23-2014	686 Water St East	8	0.27	0	0	0
P140923057	Tim Hortons Esso	Sept-23-2014	820 Water Street East	8	0.44	0	0	0
P140923059	S1 Well	Sept-23-2014	411 Northmarket St	6	0.72	0	0	0
P140923058	S7 Well	Sept-23-2014	123 Walker Ave	3	0.63	0	0	0
P140923062	S8 Well	Sept-23-2014	507 MacEwen Road	3	0.80	0	0	0
P140923061	SE4 Well	Sept-23-2014	26 Briggs Street	1	0.60	0	0	0
P140923060	Wilmot Wellfield Gallery	Sept-23-2014	855 Read Drive	8	1.12	0	0	0
P140926042	Private Residence	Sept-26-2014	259 MacEwen Rd	5	0.19	0	0	0
P141007023	St. Eleanor's Community Center	Oct-7-2014	1 West Drive	1	0.64	0	0	0
P141007024	Illsley's Feed Store	Oct-7-2014	61 Mill Cr	2	0.52	0	0	0
P141007025	Summerset Manor Softener #2	Oct-7-2014	15 Frank Mellish St	3	0.33	0	0	0
P141007026	Lions Club Seniors Appartments	Oct-7-2014	326 Brophy Street	4	0.38	0	0	0
P141007027	Summerside Fire Station 1	Oct-7-2014	251 Foundry	6	0.26	0	0	0
P141007028	Circle K Water St	Oct-7-2014	96 Water Street	6	0.29	0	0	0
P141007029	Bens Bakery Outlet Store	Oct-7-2014	686 Water Street East	7	0.69	0	0	0
P141007030	Tim Hortons Esso	Oct-7-2014	820 Water Street East	8	0.43	0	0	0
P141007032	S1 Well	Oct-7-2014	411 Northmarket St	6	0.48	0	0	0
P141007031	S7 Well	Oct-7-2014	123 Walker Ave	3	0.68	0	0	0
P141007035	S8 Well	Oct-7-2014	507 MacEwen Rd	3	0.71	0	0	0
P141007034	SE4 Well	Oct-7-2014	26 Briggs Street	1	0.62	0	0	0
P141007033	Wilmot Wellfield Gallery	Oct-7-2014	855 Read Drive	8	0.67	0	0	0
P141021044	St. Eleanor's Community Center	Oct-21-2014	1 West Drive	1	0.48	0	0	0
P141021045	Illsley's Feed Store	Oct-21-2014	61 Mill Cr	2	0.35	0	0	0
P141021046	Summerset Manor after water softneer	Oct-21-2014	15 Frank Mellish St	3	0.01	2	0	>200

# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P141021057	Private Residence	Oct-21-2014	167 Harvard St	6	0.11	0	0	0
P141021058	Private Residence	Oct-21-2014	68 McQuaid Court	1	0.36	0	0	0
P141021047	Lions Club Seniors Appartments	Oct-21-2014	326 Brophy Street	4	0.28	0	0	0
P141021048	Summerside Fire Station 1	Oct-21-2014	251 Foundry	6	0.19	0	0	0
P141021049	Circle K Water St	Oct-21-2014	96 Water Street	6	0.49	0	0	0
P141021050	Bens Bakery Outlet Store	Oct-21-2014	686 Water Street East	7	0.53	0	0	0
P141021051	Tim Hortons Esso	Oct-21-2014	820 Water Street East	8	0.55	0	0	0
P141021053	S1 Well	Oct-21-2014	411 Northmarket St	6	0.43	0	0	0
P141021052	S7 Well	Oct-21-2014	123 Walker Ave	3	0.62	0	0	0
P141021056	S8 Well	Oct-21-2014	507 MacEwen Road	3	0.53	0	0	0
P141021055	SE4 Well	Oct-21-2014	26 Briggs Street	1	0.53	0	0	0
P141021054	Wilmot Wellfield Gallery	Oct-21-2014	855 Read Drive	8	0.67	0	0	0
P141104046	St. Eleanor's Community Center	Nov-4-2014	1 West Drive	1	0.41	0	0	0
P141104045	Illsley's Feed Store	Nov-4-2014	61 Mill Cr	2	0.33	0	0	0
P141104044	Summerset Manor	Nov-4-2014	15 Frank Mellish St	3	0.06	0	0	0
P141104043	Lions Club Seniors Appartments	Nov-4-2014	326 Brophy Street	4	0.32	0	0	0
P141104042	Summerside Fire Station 1	Nov-4-2014	251 Foundry	6	0.20	0	0	0
P141104041	Circle K Water St	Nov-4-2014	96 Water Street	6	0.37	0	0	0
P141104040	Bens Bakery Outlet Store	Nov-4-2014	686 Water Street East	7	0.31	0	0	0
P141104039	Tim Hortons Esso	Nov-4-2014	820 Water Street East	8	0.44	0	0	0
P141104037	S1 Well	Nov-4-2014	411 Northmarket St	6	0.69	0	0	0
P141104038	S7 Well	Nov-4-2014	123 Walker Ave	3	0.49	0	0	0
P141104034	S8 Well	Nov-4-2014	507 MacEwen Road	3	0.52	0	0	0
P141104035	SE4 Well	Nov-4-2014	26 Briggs Street	1	0.80	0	0	0
P141104036	Wilmot Wellfield Gallery	Nov-4-2014	855 Read Drive	8	0.67	0	0	0
P141118051	St. Eleanor's Community Center	Nov-18-2014	1 West Drive	1	0.34	0	0	0
P141118050	Illsley's Feed Store	Nov-18-2014	61 Mill Cr	2	0.43	0	0	0



# Summerside

**Free Chlorine Residual - Should be a minimum of 0.1 at all locations at all times**

**E. Coli. Bacteria Colony Count - required to be 0. If non-zero count is present water is deemed unfit for human consumption.**

**Total Coliforms Bacteria Colony Count - If 10 or less bacteria is present but not sufficient to regard water unfit for drinking. Water must be re-tested.**

**Background Growth Bacteria Colony Count - Must be below 200 at all times**

Sample ID	Location	Date	Address	City Sample Zone	Free Chlorine Residual	Total Coliforms	E. Coli.	Background Growth
P141216068	St. Eleanor's Community Center	Dec-16-2014	1 West Drive	1	0.37	0	0	0
P141216067	Illsley's Feed Store	Dec-16-2014	61 Mill Cr	2	0.39	0	0	0
P141216066	Summerset Manor	Dec-16-2014	15 Frank Mellish St	3	0.05	0	0	0
P141216065	Lions Club Seniors Appartments	Dec-16-2014	326 Brophy Street	4	0.35	0	0	0
P141216064	Summerside Fire Station 1	Dec-16-2014	251 Foundry	6	0.26	0	0	0
P141216063	Circle K Water St	Dec-16-2014	96 Water Street	6	0.31	0	0	0
P141216062	Bens Bakery Outlet Store	Dec-16-2014	686 Water Street East	7	0.62	0	0	0
P141216061	Tim Hortons Esso	Dec-16-2014	820 Water Street East	8	0.43	0	0	0
P141216059	S1 Well	Dec-16-2014	411 Northmarket St	6	0.66	0	0	0
P141216060	S7 Well	Dec-16-2014	123 Walker Ave	3	0.58	0	0	0
P141216056	S8 Well	Dec-16-2014	507 MacEwen Rd	3	0.88	0	0	0
P141216057	SE4 Well	Dec-16-2014	26 Briggs Street	1	0.57	0	0	0
P141216058	Wilmot Wellfield Gallery	Dec-16-2014	855 Read Drive	8	0.67	0	0	0
P141229020	St. Eleanor's Community Center	Dec-29-2014	1 West Drive	1	0.41	0	0	0
P141229021	Illsley's Feed Store	Dec-29-2014	61 Mill Cr	2	0.47	0	0	0
P141229022	Summerset Manor	Dec-29-2014	15 Frank Mellish St	3	0.11	0	0	0
P141229023	Lions Club Seniors Appartments	Dec-29-2014	326 Brophy Street	4	0.34	0	0	0
P141229024	Summerside Fire Station 1	Dec-29-2014	251 Foundry	6	0.23	0	0	0
P141229025	Circle K Water St	Dec-29-2014	96 Water Street	6	0.36	0	0	0
P141229026	Bens Bakery Outlet Store	Dec-29-2014	686 Water Street East	7	0.31	0	0	0
P141229027	Tim Hortons Esso	Dec-29-2014	820 Water Street East	8	0.53	0	0	0
P141229029	S1 Well	Dec-29-2014	411 Northmarket St	6	0.44	0	0	0
P141229028	S7 Well	Dec-29-2014	123 Walker Ave	3	0.49	0	0	0
P141229032	S8 Well	Dec-29-2014	507 MacEwen Rd	3	0.46	0	0	0
P141229031	SE4 Well	Dec-29-2014	26 Briggs Street	1	0.64	0	0	0
P141229030	Wilmot Wellfield Gallery	Dec-29-2014	855 Read Drive	8	0.67	0	0	0

# Summerside

**Guideline to Nitrate Analysis:**  
**Units for Nitrate are mg/L**

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P140102015	Summerside Firehall 1	Jan-2-2014	251 Foundry Street	6	4.1
P140102013	Bens Bakery Outlet Store	Jan-2-2014	686 Water Street East	7	5.3
P140102010	Wilmot Wellfield Gallery	Jan-2-2014	855 Read Drive	8	5.5
P140114039	Summerside Firehall 1	Jan-14-2014	251 Foundry Street	6	3.5
P140114037	Bens Bakery Outlet Store	Jan-14-2014	686 Water Street East	7	5.5
P140114033	Wilmot Wellfield Gallery	Jan-14-2014	855 Read Drive	8	5.5
P140128028	Summerside Firehall 1	Jan-28-2014	251 Foundry Street	6	4.2
P140128026	Bens Bakery Outlet Store	Jan-28-2014	686 Water Street East	7	7.7
P140128022	Wilmot Wellfield Gallery	Jan-28-2014	855 Read Drive	8	7.5
P140211038	Summerside Firehall 1	Feb-11-2014	251 Foundry Street	6	3.3
P140211036	Bens Bakery Outlet Store	Feb-11-2014	686 Water Street East	7	8.1
P140211032	Wilmot Wellfield Gallery	Feb-11-2014	855 Read Drive	8	7.7
P140225033	Wilmot Wellfield Gallery	Feb-25-2014	855 Read Drive	8	8.1
P140225027	Summerside Firehall 1	Feb-25-2014	251 Foundry Street	6	3.9
P140225029	Bens Bakery Outlet Store	Feb-25-2014	686 Water Street East	7	8.2
P140311038	Summerside Firehall 1	Mar-11-2014	251 Foundry Street	6	3.3
P140311040	Bens Bakery Outlet Store	Mar-11-2014	686 Water Street East	7	7.8
P140311044	Wilmot Wellfield Gallery	Mar-11-2014	855 Read Drive	8	8.2
P140325031	Summerside Firehall 1	Mar-25-2014	251 Foundry Street	6	3.2
P140325029	Bens Bakery Outlet Store	Mar-25-2014	686 Water Street East	7	8.3
P140408049	Summerside Fire Station 1	April-8-2014	251 Foundry Street	6	3.2
P140408047	Bens Bakery Outlet Store	April-8-2014	686 Water Street East	7	7.8
P140408043	Wilmot Wellfield Gallery	April-8-2014	855 Read Drive	8	7.8
P140422021	Summerside Fire Station 1	April-22-2014	251 Foundry Street	6	3.4
P140422019	Bens Bakery Outlet Store	April-22-2014	686 Water Street East	7	7.1
P140422015	Wilmot Wellfield Gallery	April-22-2014	855 Read Drive	8	7.3
P140506088	Summerside Fire Station 1	May-6-2014	251 Foundry Street	6	3.3
P140506086	Bens Bakery Outlet Store	May-6-2014	686 Water Street East	7	7.9
P140506082	Wilmot Wellfield Gallery	May-6-2014	855 Read Drive	8	7.7



# Summerside

**Guideline to Nitrate Analysis:**  
**Units for Nitrate are mg/L**

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P140522066	Summerside Fire Station 1	May-22-2014	251 Foundry Street	6	3.2
P140522064	Bens Bakery Outlet Store	May-22-2014	686 Water Street East	7	7.5
P140522060	Wilmot Wellfield Gallery	May-22-2014	855 Read Drive	8	7.8
P140603077	Summerside Fire Station 1	June-3-2014	251 Foundry Street	6	3.7
P140603075	Bens Bakery Outlet Store	June-3-2014	686 Water Street East	7	8.7
P140603071	Wilmot Wellfield Gallery	June-3-2014	855 Read Drive	8	8.7
P140617080	Wilmot Wellfield Gallery	June-17-2014	855 Read Drive	8	8.5
P140617076	Bens Bakery Outlet Store	June-17-2014	686 Water Street East	7	8.9
P140617074	Summerside Fire Station 1	June-17-2014	251 Foundry Street	6	3.6
P140702038	Bens Bakery Outlet Store	July-2-2014	686 Water Street East	7	8.1
P140702040	Summerside Fire Station 1	July-2-2014	251 Foundry Street	6	3.2
P140702035	Wilmot Wellfield Gallery	July-2-2014	855 Read Drive	8	8.2
P140715095	Wilmot Wellfield Gallery	July-15-2014	855 Read Drive	8	7.7
P140715091	Bens Bakery Outlet Store	July-15-2014	686 Water Street East	7	8.0
P140715089	Summerside Fire Station 1	July-15-2014	251 Foundry Street	6	3.7
P140729059	Wilmot Wellfield Gallery	July-29-2014	855 Read Drive	8	7.8
P140729063	Bens Bakery Outlet Store	July-29-2014	686 Water Street East	7	8.2
P140729065	Summerside Fire Station 1	July-29-2014	251 Foundry Street	6	3.9
P140812116	Summerside Fire Station 1	August-12-2014	251 Foundry Street	6	3.6
P140812114	Bens Bakery Outlet Store	August-12-2014	686 Water Street East	7	8.4
P140812110	Wilmot Wellfield Gallery	August-12-2014	855 Read Drive	8	8.8
P140826075	Wilmot Wellfield Gallery	August-26-2014	855 Read Drive	8	8.3
P140826079	Bens Bakery Outlet Store	August-26-2014	686 Water Street East	7	8.9
P140826081	Summerside Fire Station 1	August-26-2014	251 Foundry Street	6	5.4
P140909075	Summerside Fire Station 1	Sept-9-2014	251 Foundry Street	6	3.8
P140909069	Wilmot Wellfield Gallery	Sept-9-2014	855 Read Drive	8	6.5
P140909073	Bens Bakery Outlet Store	Sept-9-2014	686 Water Street East	7	6.5



# Summerside

**Guideline to Nitrate Analysis:**  
**Units for Nitrate are mg/L**

Sample ID	Location	Date	Address	City Sample Zone	Nitrate
P140923054	Summerside Fire Station 1	Sept-23-2014	251 Foundry Street	6	4.2
P140923060	Wilmot Wellfield Gallery	Sept-23-2014	855 Read Drive	8	6.4
P140923056	Bens Bakery Outlet Store	Sept-23-2014	686 Water Street East	7	6.4
P141007027	Summerside Fire Station 1	Oct-7-2014	251 Foundry Street	6	3.3
P141007033	Wilmot Wellfield Gallery	Oct-7-2014	855 Read Drive	8	6.5
P141007029	Bens Bakery Outlet Store	Oct-7-2014	686 Water Street East	7	6.5
P141021048	Summerside Fire Station 1	Oct-21-2014	251 Foundry Street	6	3.7
P141021050	Bens Bakery Outlet Store	Oct-21-2014	686 Water Street East	7	6.7
P141021054	Wilmot wellfield Gallery	Oct-21-2014	855 Read Drive	8	6.6
P141104042	Summerside Fire Station 1	Nov-4-2014	251 Foundry Street	6	4.5
P141104036	Wilmot Wellfield Gallery	Nov-4-2014	855 Read Drive	8	6.5
P141104040	Bens Bakery Outlet Store	Nov-4-2014	686 Water Street East	7	6.6
P141118047	Summerside Fire Station 1	Nov-18-2014	251 Foundry Street	6	6.0
P141118045	Bens Bakery Outlet Store	Nov-18-2014	686 Water Street East	7	7.3
P141118041	Wilmot Wellfield Gallery	Nov-18-2014	855 Read Drive	8	7.2
P141202041	Summerside Fire Station 1	Dec-2-2014	251 Foundry Street	6	3.2
P141202039	Bens Bakery Outlet Store	Dec-2-2014	686 Water Street East	7	5.5
P141202035	Wilmot Wellfield Gallery	Dec-2-2014	855 Read Drive	8	8.5
P141216064	Summerside Fire Station 1	Dec-16-2014	251 Foundry Street	6	3.7
P141216062	Bens Bakery Outlet Store	Dec-16-2014	686 Water Street East	7	8.6
P141216058	Wilmot Wellfield Gallery	Dec-16-2014	855 Read Drive	8	8.7
P141229024	Summerside Fire Station 1	Dec-29-2014	251 Foundry Street	6	3.9
P141229026	Bens Bakery Outlet Store	Dec-29-2014	686 Water Street East	7	8.7
P141229030	Wilmot Wellfield Gallery	Dec-29-2014	855 Read Drive	8	8.7

# Summerside

**Guideline to Chemistry Analysis:**

All units are parts per million unless otherwise stated

DIS = dissolved

Sample ID	P140320019	P140320016	P140320020	P140320017	P140320018	P140320013	P140320013	P140320014	P140320015
Location	S1 Northmarket Well	S7 Walker Av Well	S8 Heritage Court Well	S10 Greenwood Drive Well	SE4 Briggs St Well	W1	W2	W3	W4
Date	March-20-2014	March-20-2014	March-20-2014	March-20-2014	March-20-2014	March-20-2014	March-20-2014	March-20-2014	March-20-2014
Address	411 North Market St	123 Walker Av	511 MacEwen Road	277 Greenwood Dr	26 Briggs St	855 Read Dr	855 Read Dr	855 Read Dr	855 Read Dr
City Sample Zone	6	3	3	2	1	8	8	8	8
Alkalinity (ppm of CaCO <sub>3</sub> )	159	154	132	152	134	119	113	113	145
Chloride	154.3	190.1	40.8	171.9	79.8	19.7	25.7	19.2	42.7
Copper dis	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium dis	119.6	127.7	67.9	129.1	80.7	62.9	63.6	67.9	91.56
Cadmium dis	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Chromium dis	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Iron dis	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009	<0.009
Potassium dis	1.4	1.23	0.70	1.08	1.01	0.69	0.76	0.65	0.84
Magnesium dis	4.1	3.46	1.73	2.69	2.12	1.72	2.16	1.47	2.14
Manganese dis	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Nickel dis	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Sodium dis	50.87	56.3	11.1	50.8	28.9	7.68	7.97	7.2	14.5
Phosphorus dis	0.02	0.03	0.03	0.02	0.04	0.03	0.02	0.03	0.03
Lead dis	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Sulfate calc from S dis	16.78	16.84	7.75	15.05	16.5	11.23	10.02	11.43	14.62
Zinc dis	<0.006	0.009	0.042	0.019	<0.006	<0.006	0.007	0.007	<0.006
Barium dis	0.849	0.639	0.55	0.291	0.245	0.381	0.894	0.375	0.422
pH	8.4	8.4	8.5	8.4	8.4	8.3	8.3	8.4	8.5
Hardness	315.5	333.1	176.7	333.5	210.3	164.3	167.7	175.6	237.4
Nitrate	3.2	3.8	2.7	3.2	6.5	8	5.8	9.3	9.8

