2017

DRINKING WATER QUALITY ANNUAL REPORT

FINAL REPORT | APRIL 2018

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EXECUTIVE SUMMARY

This report summarizes the District of West Vancouver's water quality program for 2017. The program operates under the protocol developed in the Water Quality and Reporting Plan for Metro Vancouver and Member Municipalities; where objectives and monitoring results are in accordance with the *Guidelines for Canadian Drinking Water Quality* (GCDWQ).

The District's water system treats and distributes potable water supplied from two local sources, namely Eagle Lake and Montizambert Creek, and distributes treated water received from Metro Vancouver (Capilano and/or Seymour watershed sources). Detailed information regarding the Metro Vancouver supply is available at http://www.metrovancouver.org/services/water.

Raw water from both Eagle Lake and Montizambert Creek sources were analyzed for bacteriological, physical and chemical parameters. Bacteriological testing in 2017 indicates the source waters have a very low presence of Escherichia coli (E. coli), giardia, and cryptosporidium.

Water throughout the distribution system was tested for bacteriological, physical and chemical parameters. 598 samples were analyzed in 2017. All samples met the guideline of having no less than a 0.2 mg/L chlorine residual and there were no elevated samples for total coliforms or E. coli. Two samples had HPC counts that exceeded 500 CFU/mL, and one sample exceeded the GCDWQ turbidity objective of 5 NTU. For the high turbidity sample, as per the protocol, the District responded by alerting VCH and the corresponding sections of main were flushed until a satisfactory result was obtained. Where HPC results exceeded 500 CFU the water mains were flushed and the turbidity readings and chlorine residuals re-checked. Additional monthly or quarterly testing for disinfection by-products, metals, and total organic carbons were within the Canadian Guidelines.

The report also contains Emergency Response Plans that outline the steps that would be taken related to elevated E. coli, contamination, turbidity and loss of disinfection.

1.0 INTRODUCTION

This report summarizes the District of West Vancouver's water quality program for 2017. The purpose is to detail the municipality's efforts in maintaining high quality drinking water and to provide residents with the results of the sampling and analysis program.

Water suppliers in British Columbia are regulated by the Drinking Water Protection Act and the Drinking Water Protection Regulation (DWPR). The *Drinking Water Quality Annual Report* is a requirement of the Vancouver Coastal Health Authority (VCHA) in order to receive annual operating permits and is reviewed by the Medical Health Officer (MHO) for the North Shore. As requested by the MHO, this report to be made public by a prominent web site posting at http://www.westvancouver.ca.

The District's water quality program is in accordance with the *Water Quality Monitoring and Reporting Plan for the GVRD and Member Municipalities, May 2000*, which was developed under the authority and direction of the Regional MHOs.

2.0 GENERAL DESCRIPTION

The District of West Vancouver operates two local water supplies and a distribution system consisting of a network of intakes, two treatment plants, reservoirs, chlorination stations, pressure reducing valve (PRV) stations, pumps, hydrants and mains. The system is required to adequately receive, store, and transport potable water to all users in West Vancouver. Key facilities are connected by a telemetry system (SCADA) to a central computer, which monitors and identifies erroneous operating conditions and communicates to key personnel 24 hours a day, seven days a week.

3.0 SOURCE WATER WATERSHEDS

3.1 General

The municipality obtains water from three sources:

- Eagle Lake;
- Montizambert Creek; and
- Metro Vancouver's Capilano / Seymour Watersheds.

From Capilano River to Horseshoe Bay, the water distribution system is fed by both Eagle Lake and Metro source waters. While the distribution area for each source varies seasonally, in general, Eagle Lake water is received below the Upper Levels Highway, west of 29th Street and above the Upper Levels Highway east to the Chartwell neighbourhood. The municipality continues to expand the use of the Eagle Lake source whenever supplies permit in order to reduce the purchase of bulk water from Metro Vancouver. North of Horseshoe Bay at the

northern municipal boundary, the Sunset Highlands neighbourhood is serviced by the Montizambert Creek source, with the exception of the Seascapes multi-family development, which utilizes private wells.

3.2 Eagle Lake Treatment Plant

Located above Cypress Falls Park, Eagle Lake source water flows by gravity through intake screens into the Eagle Lake treatment plant. The Eagle Lake facility is a Level 3 certified GE membrane treatment plant and is compliant with the 4-3-2-1 multi-barrier approach as specified in the GCDWQ to ensure safe drinking water as mandated by the Health Authorities of British Columbia. When the lake level drops below the elevation of the intake screens, floating pumps are required to pump water from the lower lake levels to the treatment plant. This typically occurs during the late summer months.

Once the water enters the treatment facility, it passes through an automatic self-cleaning bar screen to remove any floating debris. The water is pH adjusted and coagulant is added to optimize the membrane filtration process. The coagulated water is then pumped and filtered through submerged membrane filters. Once filtered, chemicals are added for disinfection. The fully treated water is stored in concrete reservoirs ready to be distributed.

3.2.1 Eagle Lake Water Treatment Plant Bypass and Optimization

In the event of an operational emergency, the Eagle Lake plant may need to be bypassed in order to maintain water supply to the District's residents and for the provision of fire protection. In the event of a bypass, the source water will continue to be disinfected with sodium hypochlorite though at a higher dose to compensate for the loss of the filtration process. The chlorine contact time will be maintained during a bypass event.

All EOCP certified distribution and treatment staff are familiar with the details of the bypass procedure. The details of this procedure have been provided separately in the Eagle Lake Water Treatment Plant Emergency Response and Contingency Plan to VCHA.

The Eagle Lake Treatment Plant was not bypassed in 2017.

The infrastructure needed to optimize the use of the Eagle Lake supply system was completed in June 2010. Eagle Lake optimization allows the District to increase the supply of Eagle Lake water into the distribution system during non-peak periods. The District SCADA system is used to automatically monitor and prompt any required changes to the system based on plant conditions such as clearwell levels and system demand. Standby personnel monitor the Eagle Lake Water Treatment Plant operation 24/7 and VCH is informed if there are any changes to operational procedures.

3.3 Montizambert Treatment Plant

Located north of Horseshoe Bay, the Montizambert Treatment Plant is a Level 3 classified plant commissioned in September 2011. It is a Pall Membrane treatment plant compliant with the 4-3-2-1 multi-barrier approach as specified in the GCDWQ to ensure safe drinking water as mandated by the Health Authorities of British Columbia.

The source water from Montizambert Creek passes through a gravel filtration intake and a settling tank before entering the treatment facility. Coagulant is added once the water enters the plant and is mixed and pumped through the membrane filters. After the filtration process, sodium hypochlorite is added for disinfection and the water is stored in a concrete clearwell ready to be distributed.

3.3.1 Montizambert Water Treatment Plant Bypass

In the event of an operational emergency, the Montizambert Water Treatment Plant may need to be bypassed to maintain water supply to residents and for the provision of fire protection. The plant is capable of two different types of bypass, one with cartridge filters (3 microns nominal) and the second without. The use of cartridge filters will be determined on a case-by-case basis. For either procedure, the water will continue to be disinfected with sodium hypochlorite and adjusted to an appropriate dosage rate depending on the bypass process in place. The chlorine contact time is maintained during a bypass event.

All EOCP certified distribution and treatment staff are familiar with the details of the bypass procedure. This procedure has been provided separately in the Montizambert Creek Water Treatment Plant Emergency Response and Contingency plan to VCHA.

The Montizambert Water Treatment Plant was not bypassed in 2017.

3.4 Metro Vancouver

Bulk treated water purchased by the District from Metro Vancouver is supplied from the Seymour and Capilano watersheds. This water enters the municipality's distribution system at five locations:

- Glenmore Dr. between Morven Dr. and Deep Dene Road,
- Mathers Avenue and Capilano Road,
- Keith Road and Upper Levels Highway,
- Marine Drive and Capilano Road, and
- Capilano Road and Welch Street.

3.5 Challenges

Challenges to the quality and quantity of the source water include:

- maintaining a balance between public access for recreation (e.g. portions of the Baden Powell Trail above Eagle Lake) and security of the watershed for protection of drinking water quality;
- physical disturbances in watersheds such as soil erosion into creeks, which lead to turbidity spikes;
- vulnerability of open water sources to contamination from animal and human activity;
- maintaining creek flow supplementation for fish habitat during the summer months, when Eagle Lake level is low; and
- low flow conditions in Montizambert Creek during drier summer months.

4.0 REGULATIONS AND STANDARDS FOR SOURCE WATER AND THE DISTRIBUTION SYSTEM

Both source waters and water within the distribution system are tested for microbiological, chemical and physical parameters. For the purposes of the municipality's water quality sampling program, the locations monitoring Metro water are treated as 'distribution' sites and not 'source' sites although some Metro sample points are located close to the entry points to the municipal distribution system.

The Drinking Water Protection Regulation (DWPR) requires 1 sample/1000 residents on a monthly basis for cities with a population between 5,000 and 90,000 residents. During 2017, the District of West Vancouver had approximately 45,000 residents, which translates to a minimum of 540 samples required annually. The total number of samples collected by the District during 2017 was 598which exceeds the requirements of the DWPR for the number of stations and samples required.

Further to the information outlined below, full details outlining the health-based guidelines for water quality in Canada, established on behalf of the Federal-Provincial-Territorial Committee on Drinking Water, is available on Health Canada's website.

4.1 Microbiological Parameters

Under the Guidelines for Canadian Drinking Water Quality (GCDWQ) the most vital guidelines are those dealing with microbiological contaminants. The District of West Vancouver follows the guidelines by taking the required samples at the regulated times.

Samples are taken monthly at the Montizambert and Eagle Lake sources for Cryptosporidium and Giardia. The treatment goal for these two parameters is a minimum of 3-log (99.9%) removal.

Escherichia coli (E. coli) samples are taken bi-weekly at the source and weekly throughout the distribution system. E. coli is an indicator of microbiological safety and the GCDWQ maximum allowable concentration within the distribution system is none detected per 100 mL sample.

Heterotrophic Plate Count (HPC) is tested bi-weekly at the source as well as weekly throughout the distribution system. Although it is naturally occurring and has no limits under the guideline, it is a good monitoring tool for general bacteriological water quality.

Total Coliforms are sampled bi-weekly at the source and weekly throughout the distribution system. Total coliforms are not used as indicators of potential health effects from pathogenic microorganisms; instead, they are used as an operational tool to determine how well the drinking water treatment system is operating. When sampled in the distribution system the GCDWQ states that no consecutive samples shall contain total coliform and that no more than 10% of samples taken contain total coliform. Total coliform detected in the distribution system can be an indication of re-growth of bacteria in distribution biofilms or intrusion of untreated water.

IG MicroMed Environmental Inc. conducted the analysis for Giardia and Cryptosporidium and Metro Vancouver Laboratories conducted analysis for Total Coliform, E. coli and HPC.

4.2 Physical Parameters

4.2.1 Turbidity

Turbidity describes the amount of suspended solids in water measured in nephelometric turbidity units (NTU). The presence of turbidity can have significant effects on both the microbiological quality of water and the detection of the bacteria and viruses. The target turbidity for treated water from the Eagle Lake and Montizambert Water Treatment Plants is less than 0.1 NTU with the intent not to exceed 0.3 NTU at any time. The Guidelines for Canadian Drinking Water Quality supporting documentation states that the turbidity should not exceed 5.0 NTU within the distribution system especially at the point of consumption for aesthetic purposes.

4.2.2 Temperature

The aesthetic guideline for temperature is 15^{o}C. Typically, the temperature of drinking water for both the source water and the distribution system rises during summer months. District staff appreciate that higher temperatures in the distribution system can affect chlorine residuals and can contribute to bacterial re-growth. Tests are completed on a regular basis throughout the distribution system to ensure acceptable water quality.

4.2.3 Colour

The physical parameter of colour is tested together with chemical parameters for Eagle Lake and Montizambert source water. With respect to colour, the GCDWQ specifies an aesthetic objective of less than 15 true colour units (TCU) for treated water.

4.3 Inorganic and Organic Chemical Parameters

Testing of source waters for chemical parameters, including bromate, bromide, chlorate, chloride and sodium is conducted semi-annually at both Eagle Lake and Montizambert Creek.

In the distribution system, chemical parameters tested include chlorine residual, pH and disinfection by-products. Chlorine residual is measured at all sampling sites when bacteriological samples are collected; additionally, there are several online chlorine analyzers for continuous monitoring throughout the distribution system. The guideline target is to have no less than 0.2 mg/L chlorine residual.

4.3.1 Disinfection By-Products

Disinfection by-products are formed when chlorine reacts with natural organic matter. The two main disinfection by-products of concern when disinfecting with sodium hypochlorite are trihalomethanes (THMs) and haloacetic acids (HAAs). THMs and HAAs are included in the GCDWQ with maximum acceptable concentration (MAC) of 0.1 mg/l and 0.08 mg/l respectively.

4.3.2 pH

The water's scale of acidity or alkalinity is measured in potential of hydrogen (pH). The GCDWQ recommends a pH in the range of 6.5 - 8.5 as a treatment objective. Both Eagle Lake and Montizambert source water trend toward the lower boundary of 6.5.

It is recognized that acidic water will accelerate the corrosion of metal pipes as well as hinder the treatment process and the pH is adjusted to the 7.3 – 7.5 range for the Eagle Lake supply. Sodium hydroxide is used to achieve this objective. No adjustment is made to the Montizambert supply.

4.3.3 Metals

The District's water quality sampling and monitoring program includes semi-annual testing at four locations within the distribution system for a variety of metals.

5.0 TESTING, SAMPLE ANALYSIS AND RESULTS

Microbiological testing was conducted at a total of 39 sampling sites including the Eagle Lake and Montizambert Creek source locations. The monitoring protocol dictates that 12 to 13 sites per week are sampled according to the following breakdown; 10% source water, 10% low flow/dead end locations, 40% medium flow locations, and 40% high flow locations. Table 1 outlines the District's water sampling calendar.

Table 1: Water Sampling Calendar

Water Type	Parameter	Frequency
Sources Eagle Lake Montizambert Creek	Microbiological, Turbidity, Temperature	Bi-weekly
	Giardia, Cryptosporidium	Monthly
	Chemical, physical list	Semi-annually
Distribution System	Microbiological, Turbidity, Temperature	Weekly (not at every site)
	HAA's, THM's, pH	Quarterly
	Metals	Semi-annually

5.1 Sample Analysis – Source Water (untreated)

At Eagle Lake, 26 bi-weekly source water samples were tested. 21 samples had a most probable number (MPN) of less than 1 per 100 mL and 5 samples had a presence of E. coli ranging from 1 to 3 MPN/100mls. Testing for total coliforms had results ranging from 14 to 1986 MPN/100mls in the raw, untreated source water.

Table 2A: Eagle Lake Source Water Microbiological and Physical Parameters

Sample Site	Number of Samples	Ecoli MPN/100mLs			HPC CFU/mls			Temperature °C			Total Coliform MPN/100mLs			Turbidity NTU		
		Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
WEAG-LK1	26	<1	3	<1	76	4200	465	2	21	8.3	14	1986	270	0.22	1.8	0.4

At Montizambert Creek, 26 bi-weekly source water samples were tested. 18 samples had a most probable number (MPN) of less than 1 per 100 mL and 8 samples had a presence of E. coli ranging from 1 to 3 MPN/100mls. Testing for total coliforms had results ranging from 6 to 579 MPN/100mls in the raw, untreated source water.

Table 2B: Montizambert Creek Source Water Microbiological and Physical Parameters

Sample Site	Number of Samples	Ecoli MPN/100mLs			HPC CFU/mls			Temperature °C			Total Coliform MPN/100mLs			Turbidity NTU		
		Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
WMZ-CK1	26	<1	10	<1	2	380	204	2	15	7.7	6	579	138	0.27	2.3	1.0

Giardia and Cryptosporidium testing was conducted monthly for both sources. Eagle Lake and Montizambert Creek had no positive sample results.

Source water chemistry testing is conducted at Eagle Lake and Montizambert on a semi-annual basis. Source water chemistry testing results are shown in Appendix B along with a full range of other chemicals parameters which are not included in the guidelines but are still monitored by the District.

5.2 Sample Analysis – Distribution System

A map of the District's water distribution system with sampling locations and an address list for the sampling sites is included in Appendix A. The naming convention for the sample number and sample bottle reflects a reference to either Metro Vancouver (WVR), Eagle Lake (WEAG) or Montizambert Creek (WMZ) as the water source. Depending on the hydraulic conditions, water may be provided from either Eagle Lake or Metro Vancouver for some locations.

598 distribution system samples were analyzed in 2017. All samples met the guideline of having no less than 0.2 mg/L chlorine residual and there were no elevated samples for total coliforms or E. coli. Two samples had HPC counts that exceeded 500 CFU/mL and one sample exceeded the GCDWQ turbidity objective of 5 NTU.

For the high turbidity sample, as per the protocol, the District responded by alerting VCH and the corresponding sections of main were flushed until a satisfactory result was obtained.

Of note, elevated HPC is not an indication for water safety concerns but is an operational indicator of possible stagnation and potential degradation of water quality. Where HPC results exceeded 500 CFU the water mains were flushed and the turbidity readings and chlorine residuals re-checked.

The semi-annual testing for metals within the distribution system are provided in Appendix C. All the sampling results were well within GCDWQ guidelines.

Disinfection by-products are formed when chlorine reacts with natural organic matters. The two main categories of disinfection by-products are trihalomethanes (THMs) and haloacetic acids (HAAs) which are monitored on a quarterly basis from 10 sample sites. In providing a cross section of samples not all sites are required to have HAAs monitored.

The test results are presented as a running quarterly average for total THMs and total HAAs in Appendix C. Of note, a spike occurred in the Montizambert Creek area for total haloacetic acids that pushed the running average over the guideline limit. The readings returned to normal level in the last quarter of 2017.

The level of natural organic matter is typically characterized by measuring total organic carbon (TOC) in a laboratory. Organic carbons originate in water from partially dissolved organic matter such as algae, leaves, bark, wood and soil. These materials also cause a significant portion of the colour found in natural water sources. TOC levels are within expected levels.

A complete record of the water sampling results is in Appendix C and Table 3 and Table 4 below summarize the results by the sampling sites.

Table 3: Distribution System Microbiological and Physical Parameters (WVR Sites)

	Parameter	Chlorine Free mg/L			Ecoli MF/100mLs	HPC CFU/mls			Temperature °C			Total Coliform MF/100mLs	Turbidity NTU		
Sample Site	*Guideline*	*No less than 0.2*			*None*	*No Limit*			*No more than 15*			*None*	*No more than 5*		
	# of Samples	Min.	Max.	Avg.	Result	Min.	Max.	Avg.	Min.	Max.	Avg.	Result	Min.	Max.	Avg.
WVR-711	13	0.45	1.14	0.87	<1	<2	10	n/a	5	17	9	<1	0.11	1.30	0.31
WVR-712	13	0.21	0.74	0.43	<1	<2	100	n/a	3	18	9	<1	0.12	0.91	0.32
WVR-718	13	0.35	0.88	0.60	<1	<2	8	n/a	5	19	10	<1	0.11	0.07	0.25
WVR-761	13	0.20	0.72	0.35	<1	<2	130	n/a	4	19	10	<1	0.14	0.62	0.41
WVR-764	13	0.61	0.91	0.75	<1	<2	2	n/a	3	17	8	<1	0.11	0.45	0.18
WVR-790	26	0.22	0.94	0.65	<1	<2	2	n/a	5	19	9	<1	0.15	1.10	0.50
WVR-791	13	0.21	1.11	0.76	<1	<2	2300	n/a	3	15	8	<1	0.12	1.80	0.37
WVR-792	26	0.42	1.01	0.64	<1	<2	4	n/a	3	19	9	<1	0.11	0.75	0.24
WVR-793	13	0.32	0.75	0.50	<1	<2	24	n/a	3	17	9	<1	0.11	0.44	0.24
WVR-794	13	0.52	1.11	0.70	<1	<2	8	n/a	3	17	9	<1	0.12	0.68	0.25
WVR-795	13	0.22	0.97	0.61	<1	<2	6	n/a	3	17	9	<1	0.14	1.30	0.31
WVR-796	26	0.22	1.02	0.65	<1	<2	8	n/a	4	18	10	<1	0.09	0.56	0.22
WVR-797	13	0.24	0.96	0.49	<1	<2	210	n/a	4	17	9	<1	0.13	0.56	0.27
WVR-880	13	0.52	1.13	0.81	<1	<2	10	n/a	4	19	10	<1	0.08	0.47	0.18

Table 4: Distribution System Microbiological and Physical Parameters (WEAG and WMZ Sites)

	Parameter	Chlorine Free mg/L			Ecoli MF/100mLs	HPC CFU/mls			Temperature °C			Total Coliform MF/100mLs	Turbidity NTU		
Sample Site	*Guideline*	*No less than 0.2*			*None*	*No Limit*			*No more than 15*			*None*	*No more than 5*		
	# of Samples	Min.	Max.	Avg.	Result	Min.	Max.	Avg.	Min.	Max.	Avg.	Result	Min.	Max.	Avg.
WEAG-710	13	0.95	1.26	1.15	<1	<2	18	n/a	3	21	9	<1	0.10	1.50	0.33
WEAG-716	26	0.70	1.09	0.86	<1	<2	30	n/a	4	20	10	<1	0.10	5.8	0.58
WEAG-719	26	0.41	1.21	0.79	<1	<2	58	n/a	4	21	10	<1	0.07	0.83	0.31
WEAG-765	13	0.50	1.04	0.84	<1	<2	46	n/a	5	21	11	<1	0.08	0.68	0.18
WEAG-768	13	0.45	1.29	0.94	<1	<2	8	n/a	4	20	10	<1	0.07	0.39	0.17
WEAG-769	13	0.62	1.12	0.87	<1	<2	16	n/a	4	18	10	<1	0.09	0.32	0.16
WEAG-770	26	0.52	1.17	0.79	<1	<2	74	n/a	3	17	9	<1	0.11	0.29	0.17
WEAG-771	26	0.56	1.41	0.84	<1	<2	150	n/a	4	21	11	<1	0.11	0.56	0.25
WEAG-772	26	0.60	1.07	0.88	<1	<2	4	n/a	4	21	10	<1	0.10	0.54	0.23
WEAG-773	12	0.22	0.82	0.56	<1	<2	44	n/a	4	20	11	<1	0.15	0.45	0.22
WEAG-774	14	0.68	1.25	0.95	<1	<2	4	n/a	5	21	10	<1	0.12	0.42	0.20
WEAG-776	13	0.84	1.27	1.12	<1	<2	2	n/a	4	20	9	<1	0.07	0.20	0.12
WEAG-778	26	0.67	1.22	0.98	<1	<2	18	n/a	5	21	10	<1	0.12	0.86	0.25
WEAG-779	13	0.68	1.74	1.02	<1	<2	4	n/a	5	16	9	<1	0.11	0.97	0.32
WEAG-780	13	0.81	1.15	1.02	<1	<2	12	n/a	4	20	10	<1	0.16	0.42	0.24
WEAG-783	13	0.89	1.19	1.08	<1	<2	8	n/a	3	21	10	<1	0.10	0.28	0.17
WEAG-784	13	0.68	1.06	0.91	<1	<2	32	n/a	4	20	10	<1	0.17	0.57	0.32
WEAG-785	13	0.82	1.14	1.01	<1	<2	8	n/a	4	21	10	<1	0.09	1.30	0.35
WEAG-786	13	0.64	1.35	0.98	<1	<2	80	n/a	4	18	9	<1	0.08	0.44	0.19
WEAG-787	13	0.73	1.18	0.94	<1	<2	8	n/a	4	19	9	<1	0.11	0.44	0.23
WEAG-788	13	0.83	1.37	1.10	<1	<2	4	n/a	4	19	9	<1	0.08	0.35	0.19
WMZ-781	13	0.34	1.77	0.90	<1	<2	180	n/a	2	18	9	<1	0.12	1.40	0.51
WMZ-782	13	0.30	1.69	1.00	<1	<2	7200	n/a	3	17	9	<1	0.16	4.30	1.02

5.3 Distribution System – Water Main Replacement

An additional factor in water quality is the timely replacement of water mains. Factors related to capacity, flow characteristics and internal pipe condition can all improve water quality. The following table highlights the mains replaced in 2017 and lists the mains to be replaced in 2018.

2017 Water Main Construction	2018 Planned Water Main Construction
A: 2600 Block Queens Avenue- 490 m	A: 1100-1200 Block Ottaburn Road - 398 m
B: 1400 Chartwell- 556 m	B: 2800-2900 Block Mathers Avenue – 705 m
C: 1300 Cammeray- 365 m	C: 29th Street: Marine Drive to Mathers Avenue – 160 m
D: Brothers Creek Crossing- 200 m	

6.0 PUBLIC NOTIFICATION

6.1 Drinking Water Advisory/Boil Water Advisory

2017 was free of significant turbidity events from the Metro Vancouver, Eagle Lake and Montizambert sources with the exception of some minor localized elevated levels of turbidity. In response to these events District staff initiated system flushing. The regional health officers did not issue any boil water advisories.

6.2 General Drinking Water Quality Advisory

There were no General Drinking Water Advisories issued in 2017.

7.0 OPERATOR QUALIFICATIONS AND TRAINING

Further to the *Drinking Water Protection Act*, the Drinking Water Protection Regulation (DWPR) came into effect May 16, 2003. The regulation includes the classification of distribution and treatment systems and the qualification standards for persons operating these systems through the Environmental Operators Certification Program (EOCP).

The District's water distribution system is classified Level 4. Legislation is pending on the target deadline for the minimum certification requirements for District staff operating, maintaining, or repairing the water system. Nevertheless, the District continues to work towards having operators certified to EOCP Level 4. The water treatment plants are assessed separately, and as noted in Sections 3.2 and 3.3; both the Eagle Lake and Montizambert Treatment Plants are classified Level 3 facilities.

7.1 Operator Qualifications

The municipality has a distribution system staff of six operators and one supervisor and a treatment staff of three treatment operators. One treatment position was vacant in 2017 because of recruitment challenges.

In 2017, the District staff maintained the following certification levels:

Water Distribution:

- Level 4 – one supervisor and one operator
- Level 3 – one operator
- Level 2 – four operators
- Level 1 – 0 operators

Water Treatment:

- Level 2 – one operator/supervisor (Level 3 pending)
- Level 1 – one operator

The third treatment operator position was filled in January 2018. All three operators are now Level 2 and one position has Level 3 pending as indicated above.

It should be noted, sound technical support is available to the treatment operators through the 24/7 consulting expertise provided by Opus Dayton Knight Engineering who were integral to the design/build of the plant and are part of the ongoing operation and maintenance program.

Staff are encouraged to take courses that will enable them to advance to higher EOCP certification levels. All operators are required to take a prescribed amount of education and training to keep their certifications in good standing.

8.0 EMERGENCY RESPONSE PLANS

8.1 E. coli Positive Response

If a sample analyzed by Metro Vancouver Laboratories is tested positive for E. coli, the following response plan will occur.

1. The municipality's water quality personnel and the MHO will be notified via the Metro laboratory.
2. Results of interim samples, if any, from the site will be examined. (Interim samples are any samples that may have been taken from the site in the period between when the E. coli positive sample was taken and when it was determined to be E. coli positive.)
3. Arrangements will be made for the immediate collection of a repeat sample including, where possible, samples from upstream and downstream of the E. coli positive sample location.
4. Water treatment personnel will be contacted to determine if an interruption of source water disinfection had occurred in the period before the E. coli positive sample was taken.
5. The chlorine residual for the sample noted on the sampler's Water Sample Data Sheet will be reviewed to determine if a localized loss of disinfectant residual has occurred.
6. All water utility personnel will be contacted to determine if there has been any loss of pressure or other unusual events that may have led to contaminants entering the water system.
7. The need for boil water advisory will be evaluated and if deemed necessary by the MHO, the VCHA and the municipality will carry out various means to inform the public. Metro Vancouver will be informed of this public advisory.
8. The MHO and District staff shall determine the extent of the boil water advisory.
9. Metro Labs will initiate procedures necessary for the identification of E.coli with standard biochemical tests.
10. The District will provide the MHO with repeat sample results and continue to sample until three consecutive samples show no E.coli detectable per 100 mls.

8.2 Chemical or Biological Contamination Response

In the event of chemical or biological contamination, in either of the source waters (Eagle Lake, Montizambert Creek) or in the distribution system, the MHO will be immediately notified. The chemical will be identified and any public health risk factors associated with the chemical presence in the potable water will be determined. Steps will be taken to isolate the contaminated zone area and the level of contamination will be determined through water testing and sampling. Through consultation with the MHO, a public advisory will be communicated. All steps to ensure public health and safety including the banning of water usage will be undertaken if necessary.

8.3 Turbidity Response

In general, turbidity has not been a persistent problem in the District's water supply (see Section 4.2.1), although on occasion, elevated levels can be experienced. Water quality has improved greatly with the introduction of the Eagle Lake and Montizambert Membrane Filtration Facilities, which produce treated water with turbidity of less than 0.1 NTU. As well, the commissioning of the Seymour-Capilano twin tunnels in 2015, which ensures all the water received from Metro Vancouver has gone through the Seymour-Capilano Filtration Plant has had a positive effect.

Since all water supply sources to the District of West Vancouver are currently filtered, an elevated turbidity event is very unlikely. Nevertheless, if an elevated turbidity event does occur, representatives from Metro Vancouver, the Health Authorities and local municipalities will review communications protocols. Meanwhile, the District continues to follow an existing turbidity response plan, which was developed in cooperation with the VCHA. The approach understands the need to increase and maintain chlorine dosage rates and residuals during periods of elevated turbidity while minimizing the levels of disinfection by-products whenever possible.

The following actions will be taken regarding turbidity in source waters.

1. The District will conduct regular sampling of Eagle Lake and Montizambert sources to monitor turbidity.
2. The District will take into consideration the effectiveness of increased chlorine dosage, the chlorine contact time, the source of turbidity, and the quality of the Metro Vancouver supply in its response to minimizing the amount of turbidity entering the water system.
3. A turbidity level of >1 NTU will be the trigger for municipal operational actions.
4. During turbidity events >1 NTU, the level of primary chlorination at Eagle Lake and Montizambert sources and at any secondary chlorination points will be increased accordingly.
5. During turbidity events of >5 NTU, a rigorous sampling program for microbiological activity throughout the distribution system will be conducted.
6. During turbidity events of >5 NTU, a public communication may be issued in consultation with the Health Authority.
7. During turbidity events >2 NTU and <3 NTU, the District will consider switching to the Metro Vancouver supply, depending on the turbidity of that supply.
8. During turbidity events >3 NTU, the District will switch to the Metro Vancouver supply, if possible, should the turbidity of that supply be <1 NTU.
9. Two consecutive days of turbidity <1 NTU shall pass before lowering chlorine dosage to pre-event levels.
10. During turbidity events of >5 NTU and while the Eagle Lake treatment plant is in bypass mode, the District may issue a boil water advisory in conjunction with the MHO to residents receiving such water.
11. After a turbidity event of >5 NTU, two consecutive days of turbidity <1 NTU shall pass before rescinding the water quality advisory.

8.4 Response to Interruption of Secondary Disinfection

The District's SCADA system constantly monitors the secondary chlorination stations. This system automatically alerts utility personnel of any disinfection failures, all of which are reported to VCH. Utility personnel carry out immediate repairs to equipment and if necessary, manual disinfection is established. Chlorine residual samples are taken at various points in the distribution system to ensure adequate free chlorine residual is present. In cases where chlorine residual is less than 0.2 mg/L, municipal crews will flush the affected area until the desired level is achieved.

Upon notification by Metro Vancouver Operations that an interruption in disinfection has occurred at Metro facilities, the municipality will immediately commence monitoring of chlorine residuals at strategic locations in the Metro Vancouver supply area. The monitoring will continue until disinfection is resumed and desired levels have been reached within the distribution system.

No manual disinfection protocol was implemented in 2017.

9.0 CONCLUSIONS

Overall, the residents of West Vancouver enjoy a very high quality of drinking water. The protected nature of the Eagle Lake and Montizambert Creek watersheds and the very low levels of E. coli, giardia, and cryptosporidium in the raw source waters are key factors.

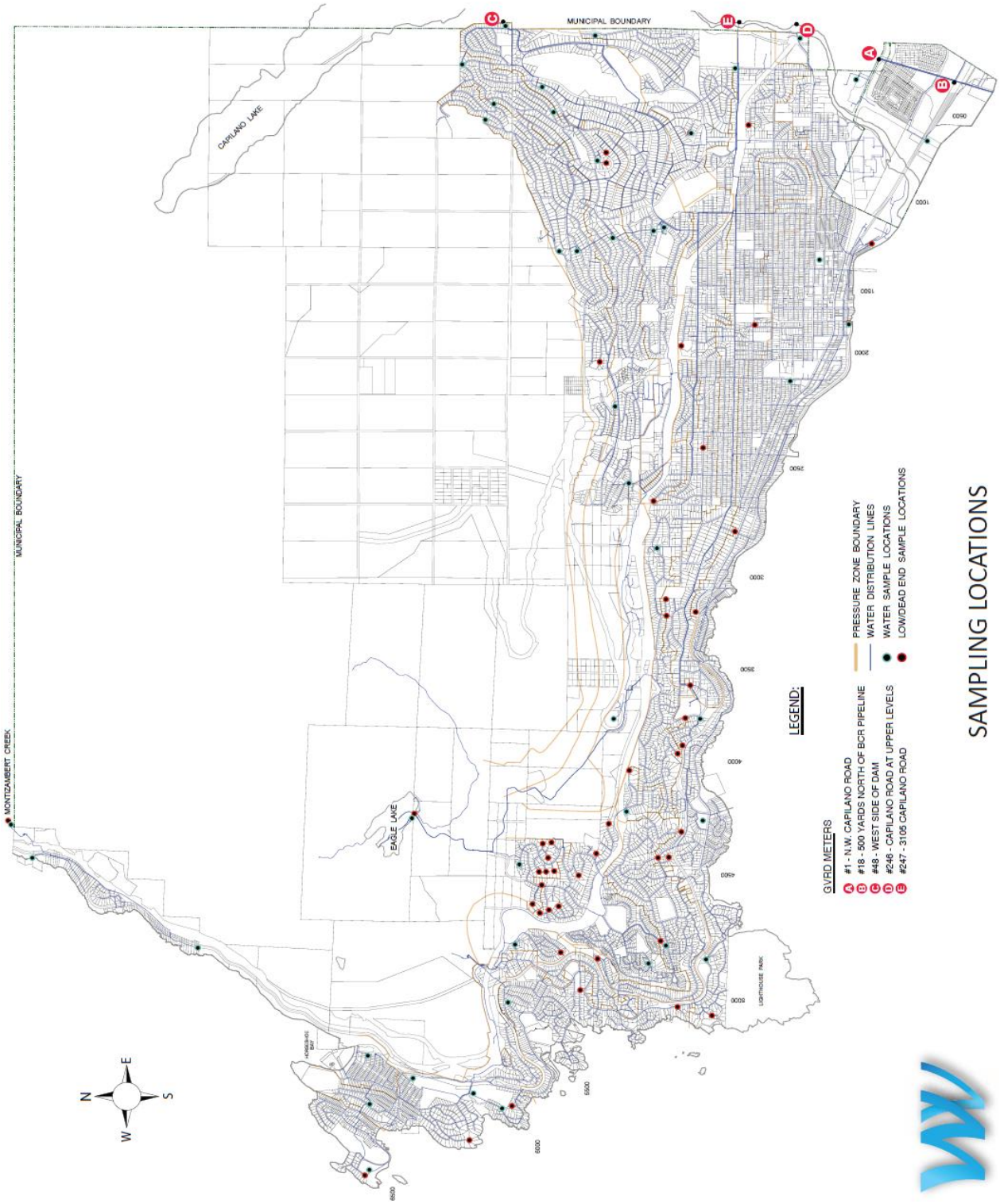
In 2017, the District's distribution water supply met all the requirements as outlined in the Guidelines for Canadian Drinking Water Quality.

District staff continues to take a balanced approach and employ best management practices in the operation and maintenance of the water system to maintain high water quality.

In closing, the District appreciates the good working relationship with public health staff and acknowledges the Health Authority as a partner in maintaining high quality drinking water in the municipality.

APPENDIX A

1. Map of Water System Sampling Locations



2. Water Sampling Locations by Address

DISTRICT OF WEST VANCOUVER					
WATER SAMPLE LOCATIONS					
Supply Source	**Address**	**Description**	**Flow Type**	**Sample #**	**Bottle #**
METRO VANCOUVER	1020 Groveland Road	Sample Kiosk	High	DmWVR-711	G711
Require 12 samples	510 Ballantree Road	Sample Kiosk	Medium	DmWVR-712	G712
Bi-weekly	670 Holmbury Place (DBP Sample Only)	House	Low/Dead End	DmWVR-713	G713
	The Dale & Marine	Sample Kiosk	High	DmWVR-716	G716
	111 - 18th Street (DBP Sample Only)	Hydrant	Low/Dead End	DmWVR-717	G717
	885 - 22nd Street	Church	High	DmWVR-718	G718
	2600 Chelsea Court	Pump House	Medium	DmWVR-719	G719
	243 Rabbit Lane	Sample Kiosk	Low/Dead End	DmWVR-761	G761
	111 Bridge Road	Sample Kiosk	Medium	DmWVR-764	G764
	5459 West Vista Court	House	Low/Dead End	DmWVR-765	G765
	2185 Gisby Street	Sample Kiosk	Medium	DmWVR-768	G768
	1210 Chartwell Drive	Sample Kiosk	High	DmWVR-769	G769
	3828 Bayridge Avenue	Sample Kiosk	High	DmWVR-770	G770
	6406 Bruce St.	House	Medium	DmWVR-771	G771
	6470 Madrona Crescent	Reservoir	Medium	DmWVR-772	G772
	Whytcliffe Park	Sample Kiosk	Low/Dead End	DmWVR-773	G773
	6117 Glen Eagles Drive	Sample Kiosk	High	DmWVR-774	G774
	3755 Cypress Bowl Road	Sample Kiosk	Medium	DmWVR-776	G776
	6190 Marine Drive	Sample Kiosk	Medium	DmWVR-778	G778
	1370 Burnside Road	Pump House	High	DmWVR-779	G779
	5634 Westhaven Road	Sample Kiosk	Medium	DmWVR-780	G780
	4520 Almondel Place	PRV Station	Medium	DmWVR-783	G783
	5759 Primrose Place	Sample Kiosk	Medium	DmWVR-784	G784
	4820 Headland Drive	Hydrant	High	DmWVR-785	G785
	1158 Millstream Road	Sample Kiosk	High	DmWVR-786	G786
	2711 Willoughby Road	Sample Kiosk	High	DmWVR-787	G787
	1551 Vinson Creek Road	Pump House	High	DmWVR-788	G788
	19 Glenmore Drive	Pump House	High	DmWVR-790	G790
	200 Keith Road	Klee Wyck Nursery	High	DmWVR-791	G791
	76 Bonnymuir Drive	Pump House	Medium	DmWVR-792	G792
	559 Kildonan Road	Sample Kiosk	Low/Dead End	DmWVR-793	G793
	702 Barnham Road	Sample Kiosk	Medium	DmWVR-794	G794
	620 Kenwood Road	Sample Kiosk	Medium	DmWVR-795	G795
	315 Mathers Avenue	House	High	DmWVR-796	G796
	395 Klahanie Court	Sample Kiosk	Medium	DmWVR-797	G797
	965 Cross Creek Road	Pump House	High	DmWVR-880	G880
	4778 Woodgreen Dr.	Sample Kiosk	High	DmWVR-710	G710
Sample locations may deviate slightly if sampling point is not accessible.					
Sampling Stations by Flow:	10% - Source	10% - Low Flow/Dead End	40% - Medium Flow	40% - High Flow	

DISTRICT OF WEST VANCOUVER					
WATER SAMPLE LOCATIONS					
Supply Source	**Address**	**Description**	**Flow Type**	**Sample #**	**Bottle #**
Eagle Lake	1020 Groveland Road	Sample Kiosk	High	DmWEAG-711	E711
Require 12/13 samples	510 Ballantree Road	Sample Kiosk	Medium	DmWEAG-712	E712
Bi - Weekly	670 Holmbury Place (DBP Sample Only)	House	Low/Dead End	DmWEAG-713	E713
	The Dale & Marine	Sample Kiosk	High	DmWEAG-716	E716
	2600 Chelsea Court	Pump House	Medium	DmWEAG-719	E719
	243 Rabbit Lane	Sample Kiosk	Low/Dead End	DmWEAG-761	E761
	5459 West Vista Court	House	Low	DmWEAG-765	E765
	2185 Gisby Street	Sample Kiosk	Medium	DmWEAG-768	E768
	4778 Woodgreen Drive	Sample Kiosk	High	DmWEAG-710	E710
	1210 Chartwell Drive	Sample Kiosk	High	DmWEAG-769	E769
	3828 Bayridge Avenue	Sample Kiosk	High	DmWEAG-770	E770
	6406 Bruce Street	House	Medium	DmWEAG-771	E771
	6470 Madrona Crescent	Reservoir	Medium	DmWEAG-772	E772
	Whytcliffe Park	Sample Kiosk	Low/Dead End	DmWEAG-773	E773
	6117 Gleneagles Drive	Sample Kiosk	High	DmWEAG-774	E774
	3755 Cypress Bowl Road	Sample Kiosk	Medium	DmWEAG-776	E776
	6190 Marine Drive	Sample Kiosk	Medium	DmWEAG-778	E778
	1370 Burnside Road	Pump House	High	DmWEAG-779	E779
	5634 Westhaven Road	Sample Kiosk	Medium	DmWEAG-780	E780
	4520 Almondel Place	PRV Station	Medium	DmWEAG-783	E783
	5759 Primrose Place	Sample Kiosk	Medium	DmWEAG-784	E784
	4820 Headland Drive	Hydrant	High	DmWEAG-785	E785
	1158 Millstream Road	Sample Kiosk	High	DmWEAG-786	E786
	2711 Willoughby Road	Sample Kiosk	High	DmWEAG-787	E787
	1551 Vinson Creek Road	Pump House	High	DmWEAG-788	E788
	19 Glenmore Drive	Pump House	High	DmWEAG-790	E790
	76 Bonnymuir Drive	Pump House	Medium	DmWEAG-792	E792
	559 Kildonan Road	Sample Kiosk	Low/Dead End	DmWEAG-793	E793
	702 Barnham Road	Sample Kiosk	Medium	DmWEAG-794	E794
	620 Kenwood Road	Sample Kiosk	Medium	DmWEAG-795	E795
	315 Mathers Avenue	House	High	DmWEAG-796	E796
	965 Cross Creek Road	Pump House	High	DmWEAG-880	E880
	Eagle Lake ***	Source	Source	DmWEAG-LK1	E-LK1
Montizambert Creek	8005 Pasco Road	Sample Kiosk	Dead End	DmWMTZ-781	MZ-781
	8995 Lawrence Way	Sample Kiosk	Dead End	DmWMTZ-782	MZ-782
	Montizambert Creek ***	Source	Source	DmWMZ-CK1	MZ-CK1
Metals Analysis					
Semi - annual	8995 Lawrence Way	Marina - Hose Bib		DmWMZ-782	MZ-782
	Gleneagles Elementary School	Internal Faucet		DmWEAG/WVR-789	E/G-789
	Cypress Park Elementary School	Internal Faucet		DmWEAG/WVR-798	E/G-798
	Hollyburn Elementary School	Internal Faucet		DmWVR-799	G-799
Sample locations may deviate slightly if sampling point is not accessible.					
*** Denotes source sites are sampled semi-annually for detailed analysis.					
Sampling Stations by Flow:	10% - Source 10% - Low Flow/Dead End	40% - Medium Flow	40% - High Flow		

APPENDIX B

1. Source Water Quality – Eagle Lake

Sample Name	Sample Type	Sample Location	Sample Date	Ecoli MPN/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MPN/100mLs	Turbidity NTU
WEAG-LK1	GRAB	Eagle Lake	9-Jan-17	<1	150	3	50	0.22
WEAG-LK1	GRAB	Eagle Lake	23-Jan-17	<1	720	2	89	0.27
WEAG-LK1	GRAB	Eagle Lake	6-Feb-17	1	1100	3	66	0.33
WEAG-LK1	GRAB	Eagle Lake	20-Feb-17	<1	310	3	41	0.41
WEAG-LK1	GRAB	Eagle Lake	6-Mar-17	<1	200	4	16	0.28
WEAG-LK1	GRAB	Eagle Lake	20-Mar-17	<1	88	5	14	0.25
WEAG-LK1	GRAB	Eagle Lake	3-Apr-17	<1	250	4	19	0.38
WEAG-LK1	GRAB	Eagle Lake	19-Apr-17	<1	300	6	23	0.27
WEAG-LK1	GRAB	Eagle Lake	1-May-17	<1	76	6	22	0.32
WEAG-LK1	GRAB	Eagle Lake	15-May-17	<1	140	7	33	0.3
WEAG-LK1	GRAB	Eagle Lake	29-May-17	<1	150	6	96	0.44
WEAG-LK1	GRAB	Eagle Lake	12-Jun-17	<1	140	8	135	0.28
WEAG-LK1	GRAB	Eagle Lake	26-Jun-17	3	260	15	272	0.47
WEAG-LK1	GRAB	Eagle Lake	10-Jul-17	<1	340	10	109	0.38
WEAG-LK1	GRAB	Eagle Lake	24-Jul-17	<1	420	15	1986	0.36
WEAG-LK1	GRAB	Eagle Lake	9-Aug-17	<1	180	20	816	0.29
WEAG-LK1	GRAB	Eagle Lake	21-Aug-17	<1	86	18	345	0.28
WEAG-LK1	GRAB	Eagle Lake	6-Sep-17	<1	4200	21	579	0.42
WEAG-LK1	GRAB	Eagle Lake	18-Sep-17	<1	160	14	1300	0.38
WEAG-LK1	GRAB	Eagle Lake	2-Oct-17	<1	210	11	313	0.48
WEAG-LK1	GRAB	Eagle Lake	16-Oct-17	<1	78	8	178	0.21
WEAG-LK1	GRAB	Eagle Lake	30-Oct-17	1	720	8	126	0.85
WEAG-LK1	GRAB	Eagle Lake	15-Nov-17	1	450	5	172	1.8
WEAG-LK1	GRAB	Eagle Lake	27-Nov-17	<1	550	5	117	0.64
WEAG-LK1	GRAB	Eagle Lake	11-Dec-17	1	360	4	73	0.4
WEAG-LK1	GRAB	Eagle Lake	27-Dec-17	<1	NA	4	36	0.32

2. Source Water Quality – Montizambert Creek

Sample Name	Sample Type	Sample Location	Sample Date	Ecoli MPN/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MPN/100mLs	Turbidity NTU
WMZ-CK1	GRAB	Montizambert Creek	4-Jan-17	<1	64	2	8	0.9
WMZ-CK1	GRAB	Montizambert Creek	16-Jan-17	<1	36	7	6	0.87
WMZ-CK1	GRAB	Montizambert Creek	30-Jan-17	<1	120	4	23	1.4
WMZ-CK1	GRAB	Montizambert Creek	15-Feb-17	<1	2	7	22	1.9
WMZ-CK1	GRAB	Montizambert Creek	27-Feb-17	10	46	5	18	1.2
WMZ-CK1	GRAB	Montizambert Creek	13-Mar-17	2	340	4	36	1.9
WMZ-CK1	GRAB	Montizambert Creek	27-Mar-17	1	130	5	20	1.3
WMZ-CK1	GRAB	Montizambert Creek	10-Apr-17	2	100	5	16	0.9
WMZ-CK1	GRAB	Montizambert Creek	24-Apr-17	<1	200	6	36	0.24
WMZ-CK1	GRAB	Montizambert Creek	8-May-17	<1	190	7	25	1.1
WMZ-CK1	GRAB	Montizambert Creek	24-May-17	1	230	6	48	2.2
WMZ-CK1	GRAB	Montizambert Creek	5-Jun-17	<1	190	7	47	0.42
WMZ-CK1	GRAB	Montizambert Creek	19-Jun-17	<1	Disposed	8	65	1
WMZ-CK1	GRAB	Montizambert Creek	5-Jul-17	<1	210	10	345	0.35
WMZ-CK1	GRAB	Montizambert Creek	17-Jul-17	<1	190	11	488	0.27
WMZ-CK1	GRAB	Montizambert Creek	31-Jul-17	<1	210	13	365	0.69
WMZ-CK1	GRAB	Montizambert Creek	14-Aug-17	2	240	13	579	0.67
WMZ-CK1	GRAB	Montizambert Creek	28-Aug-17	<1	370	15	214	0.82
WMZ-CK1	GRAB	Montizambert Creek	11-Sep-17	5	300	13	344	0.45
WMZ-CK1	GRAB	Montizambert Creek	25-Sep-17	<1	330	10	345	0.44
WMZ-CK1	GRAB	Montizambert Creek	11-Oct-17	8	280	8	261	0.95
WMZ-CK1	GRAB	Montizambert Creek	23-Oct-17	<1	380	10	105	2.3
WMZ-CK1	GRAB	Montizambert Creek	6-Nov-17	<1	260	7	20	1.2
WMZ-CK1	GRAB	Montizambert Creek	20-Nov-17	<1	360	6	59	0.49
WMZ-CK1	GRAB	Montizambert Creek	4-Dec-17	<1	130	7	12	1.1
WMZ-CK1	GRAB	Montizambert Creek	18-Dec-17	<1	NA	5	78	1.6

3. Source Water Chemistry

		1st Half	2nd Half	1st Half	2nd Half
Sample Name		WVR-EAGLE_LAKE	WVR-EAGLE_LAKE	WVR-MONT_CREEK	WVR-MONT_CREEK
Sample Description		Eagle Lake Source	Eagle Lake Source	Montizambert Creek Source	Montizambert Creek Source
Sample Date		2017/06/05 8:07	2017/12/04 8:00	2017/06/05 8:34	2017/12/04 8:27
Sample Type		GRAB	GRAB	GRAB	GRAB
Alkalinity as CaCO3	*mg/L*	2.2	1.9	1.1	3.0
Aluminium Dissolved	*µg/L*	92	95	6090	142
Aluminum Total	*µg/L*	100	111	6030	1710
Antimony Total	*µg/L*	<0.5	<0.5	<0.5	<0.5
Arsenic Total	*µg/L*	<0.5	<0.5	<0.5	<0.5
Barium Total	*µg/L*	2.8	3.3	1.3	1.6
Boron Total	*µg/L*	<10	<10	<10	<10
Cadmium Total	*µg/L*	<0.2	<0.2	<0.2	<0.2
Calcium Total	*µg/L*	882	1090	950	1710
Carbon Organic - Dissolved	*mg/L*	2.1	2.4	2.7	1.4
Carbon Organic - Total	*mg/L*	2.1	2.4	3.0	1.5
Chloride	*mg/L*	0.7	1.3	3.9	2.1
Chromium Total	*µg/L*	<0.05	<0.05	0.12	<0.05
Color - Apparent	*ACU*	20	20	40	12
Color - True	*TCU*	14	14	27	2
Conductivity	*µmhos/cm*	10	13	15	17
Copper Total	*µg/L*	0.8	0.7	42.3	6.9
Cyanide Total	*mg/L*	<0.02	<0.02	<0.02	<0.02
Fluoride	*mg/L*	<0.05	<0.05	<0.05	<0.05
Hardness as CACO3	*mg/L*	2.9	3.5	2.9	5.2
Iron Dissolved	*µg/L*	25	32	35	<5
Iron Total	*µg/L*	34	64	38	10
Lead Total	*µg/L*	<0.5	<0.5	1.8	<0.5
Magnesium Total	*µg/L*	162	184	132	226
Manganese Dissolved	*µg/L*	3.8	4.4	<0.5	<0.5
Manganese Total	*µg/L*	4.2	4.9	<0.5	<0.5
Mercury Total	*µg/L*	<0.05	<0.05	<0.05	<0.05
Nickel Total	*µg/L*	<0.5	<0.5	0.5	<0.5
Nitrogen - Ammonia as N	*mg/L*	<0.02	<0.02	<0.02	<0.02
Nitrogen - Nitrate as N	*mg/L*	<0.01	0.04	0.02	0.02
Nitrogen - Nitrite as N	*mg/L*	<0.01	<0.01	<0.01	<0.01
pH	*pH units*	6.4	6.4	5.6	6.6
Phenol	*mg/L*	<0.005	<0.005	<0.005	<0.005
Phosphorus Dissolved Reactive	*mg/L*	<0.005	<0.005	<0.005	<0.005
Phosphorus Total	-	<0.005	<0.005	<0.005	<0.005
Potassium Total	*µg/L*	86	104	68	121
Residue Total	*mg/L*	15	17	35	24
Residue Total Dissolved	*mg/L*	8	9	32	9
Residue Total Fixed	*mg/L*	6	9	17	16
Residue Total Volatile	*mg/L*	9	7	17	8
Selenium Total	*µg/L*	<0.5	<0.5	<0.5	<0.5
Silica as SiO2	*mg/L*	3.2	3.6	3.2	5.6
Silver Total	*µg/L*	<0.5	<0.5	<0.5	<0.5
Sodium Total	*µg/L*	759	973	566	1070
Sulphate	*mg/L*	1.0	1.2	0.9	1.8
UV Absorbance 254 nm	*Abs/cm*	0.088	0.093	0.139	0.014
Zinc Total	*µg/L*	<3.0	<3.0	82.4	10.2

APPENDIX C

1. Semi Annual Metals Monitoring Results

				1st Half	2nd Half	1st Half	2nd Half
			Sample Name	WEAG-789	WEAG-789	WMZ-782	WMZ-782
			Sample Location	Gleneagles Elementary	Gleneagles Elementary	8995 Lawrence Way - Mtzb Creek	8995 Lawrence Way - Mtzb Creek
	Canadian Guideline		Sample Date	2017/05/04 8:45	2017/10/24 7:50	2017/05/04 8:20	2017/10/24 7:30
Parameter	Limit	Reason	Sample Type	GRAB	GRAB	GRAB	GRAB
Aluminum Total	200	Aesthetic	µg/L	22	97	87	32
Antimony Total	6	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Arsenic Total	10	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Barium Total	1000	Health	µg/L	2.7	1.4	2.8	3.6
Boron Total	5000	Health	µg/L	<10	<10	<10	<10
Cadmium Total	5	Health	µg/L	<0.2	<0.2	<0.2	<0.2
Calcium Total	none		µg/L	1020	1020	1370	2360
Chromium Total	50	Health	µg/L	<0.05	<0.05	0.06	0.06
Cobalt Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Copper Total	≤1000	Aesthetic	µg/L	20.2	23.7	17.0	6.3
Iron Total	≤ 300	Aesthetic	µg/L	8	<5	327	290
Lead Total	10	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Magnesium Total	none		µg/L	180	268	154	261
Manganese Total	≤ 50	Aesthetic	µg/L	0.9	4.7	1.9	2.2
Mercury Total	1.0	Health	µg/L	<0.05	<0.05	<0.05	<0.05
Molybdenum Total	none		µg/L	<0.5	0.8	<0.5	<0.5
Nickel Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Potassium Total	none		µg/L	93	125	88	167
Selenium Total	50	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Silver Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Sodium Total	≤ 200,000	Aesthetic	µg/L	3640	6720	4250	5850
Zinc Total	≤ 5000	Aesthetic	µg/L	5.5	3.6	4.9	<3.0

				1st Half	2nd Half	1st Half	2nd Half
			Sample Name	WVR-798	WVR-798	WVR-799	WVR-799
			Sample Location	Cypress Park Elementary	Cypress Park Elementary	Hollyburn Elementary	Hollyburn Elementary
	Canadian Guideline		Sample Date	2017/05/04 9:05	2017/10/24 8:35	2017/05/04 9:40	2017/10/24 9:05
Parameter	Limit	Reason	Sample Type	GRAB	GRAB	GRAB	GRAB
Aluminum Total	200	Aesthetic	µg/L	20	15	21	16
Antimony Total	6	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Arsenic Total	10	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Barium Total	1000	Health	µg/L	3.2	3.2	2.2	3.1
Boron Total	5000	Health	µg/L	<10	<10	<10	<10
Cadmium Total	5	Health	µg/L	<0.2	<0.2	<0.2	<0.2
Calcium Total	none		µg/L	3740	4340	2840	4100
Chromium Total	50	Health	µg/L	<0.05	<0.05	<0.05	<0.05
Cobalt Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Copper Total	≤1000	Aesthetic	µg/L	128	170	32.2	37.5
Iron Total	≤ 300	Aesthetic	µg/L	51	25	116	65
Lead Total	10	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Magnesium Total	none		µg/L	152	171	132	170
Manganese Total	≤ 50	Aesthetic	µg/L	1.8	4.0	5.2	4.6
Mercury Total	1.0	Health	µg/L	<0.05	<0.05	<0.05	<0.05
Molybdenum Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Nickel Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Potassium Total	none		µg/L	135	186	130	196
Selenium Total	50	Health	µg/L	<0.5	<0.5	<0.5	<0.5
Silver Total	none		µg/L	<0.5	<0.5	<0.5	<0.5
Sodium Total	≤ 200,000	Aesthetic	µg/L	1880	1780	1310	1590
Zinc Total	≤ 5000	Aesthetic	µg/L	14.7	15.2	<3.0	<3.0

2. 2017 Disinfection By-Products Quarterly Averages

Sample Site	Date Sampled	Total THM Quarterly Average (Guideline Limit 100ppb/mL)	Total HAA Quarterly Average (Guideline Limit 80ppb/mL)
WEAG-772	28-Feb-17	44	38
WEAG-772	18-May-17	40	37
WEAG-772	22-Aug-17	41	35
WEAG-772	27-Nov-17	33	26
WEAG-773	28-Feb-17	58	46
WEAG-773	18-May-17	52	40
WEAG-773	22-Aug-17	53	37
WEAG-773	27-Nov-17	47	33
WEAG-776	28-Feb-17	43	
WEAG-776	18-May-17	42	
WEAG-776	22-Aug-17	43	
WEAG-776	27-Nov-17	42	
WEAG-778	28-Feb-17	43	39
WEAG-778	18-May-17	39	36
WEAG-778	22-Aug-17	41	34
WEAG-778	27-Nov-17	32	25
WMZ-781	28-Feb-17	63	90
WMZ-781	18-May-17	77	145
WMZ-781	22-Aug-17	83	147
WMZ-781	27-Nov-17	71	122
WMZ-782	28-Feb-17	59	96
WMZ-782	18-May-17	65	129
WMZ-782	22-Aug-17	65	129
WMZ-782	27-Nov-17	43	98
WVR-713	28-Feb-17	25	
WVR-713	18-May-17	29	
WVR-713	22-Aug-17	29	
WVR-713	27-Nov-17	33	
WVR-716	28-Feb-17	42	38
WVR-716	18-May-17	39	41
WVR-716	22-Aug-17	40	39
WVR-716	27-Nov-17	34	30
WVR-717	28-Feb-17	22	
WVR-717	18-May-17	20	
WVR-717	22-Aug-17	20	
WVR-717	27-Nov-17	21	
WVR-764	28-Feb-17	20	19
WVR-764	18-May-17	19	21
WVR-764	22-Aug-17	18	20
WVR-764	27-Nov-17	17	16

3. Water Sampling Results

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WVR-711	GRAB	1020 Groveland Road	9-Jan-17	0.81	<1	<2	5	<1	0.15
WVR-711	GRAB	1020 Groveland Road	6-Feb-17	0.84	<1	<2	5	<1	0.11
WVR-711	GRAB	1020 Groveland Road	6-Mar-17	1.01	<1	<2	4	<1	0.11
WVR-711	GRAB	1020 Groveland Road	3-Apr-17	0.45	<1	<2	5	<1	0.17
WVR-711	GRAB	1020 Groveland Road	1-May-17	1.05	<1	<2	6	<1	0.13
WVR-711	GRAB	1020 Groveland Road	29-May-17	0.7	<1	<2	12	<1	0.25
WVR-711	GRAB	1020 Groveland Road	26-Jun-17	0.94	<1	<2	14	<1	1.3
WVR-711	GRAB	1020 Groveland Road	24-Jul-17	0.64	<1	<2	12	<1	0.4
WVR-711	GRAB	1020 Groveland Road	21-Aug-17	0.95	<1	6	17	<1	0.17
WVR-711	GRAB	1020 Groveland Road	18-Sep-17	0.9	<1	<2	17	<1	0.51
WVR-711	GRAB	1020 Groveland Road	16-Oct-17	0.98	<1	2	12	<1	0.22
WVR-711	GRAB	1020 Groveland Road	15-Nov-17	0.86	<1	10	8	<1	0.33
WVR-711	GRAB	1020 Groveland Road	11-Dec-17	1.14	<1	<2	5	<1	0.14
WVR-712	GRAB	510 Ballantree Road	9-Jan-17	0.67	<1	6	3	<1	0.25
WVR-712	GRAB	510 Ballantree Road	6-Feb-17	0.34	<1	2	3	<1	0.25
WVR-712	GRAB	510 Ballantree Road	6-Mar-17	0.48	<1	<2	4	<1	0.3
WVR-712	GRAB	510 Ballantree Road	3-Apr-17	0.33	<1	2	5	<1	0.44
WVR-712	GRAB	510 Ballantree Road	1-May-17	0.36	<1	2	6	<1	0.14
WVR-712	GRAB	510 Ballantree Road	29-May-17	0.44	<1	<2	13	<1	0.21
WVR-712	GRAB	510 Ballantree Road	26-Jun-17	0.66	<1	<2	14	<1	0.91
WVR-712	GRAB	510 Ballantree Road	24-Jul-17	0.39	<1	<2	14	<1	0.33
WVR-712	GRAB	510 Ballantree Road	21-Aug-17	0.46	<1	2	14	<1	0.12
WVR-712	GRAB	510 Ballantree Road	18-Sep-17	0.74	<1	<2	18	<1	0.12
WVR-712	GRAB	510 Ballantree Road	16-Oct-17	0.22	<1	2	13	<1	0.22
WVR-712	GRAB	510 Ballantree Road	15-Nov-17	0.24	<1	24	9	<1	0.59
WVR-712	GRAB	510 Ballantree Road	11-Dec-17	0.21	<1	100	6	<1	0.27
WVR-718	GRAB	885 - 22nd Street	4-Jan-17	0.35	<1	<2	5	<1	0.7
WVR-718	GRAB	885 - 22nd Street	30-Jan-17	0.81	<1	<2	5	<1	0.11
WVR-718	GRAB	885 - 22nd Street	27-Feb-17	0.65	<1	<2	6	<1	0.13
WVR-718	GRAB	885 - 22nd Street	27-Mar-17	0.68	<1	<2	6	<1	0.24
WVR-718	GRAB	885 - 22nd Street	24-Apr-17	0.87	<1	<2	7	<1	0.12
WVR-718	GRAB	885 - 22nd Street	24-May-17	0.58	<1	<2	6	<1	0.32
WVR-718	GRAB	885 - 22nd Street	19-Jun-17	0.6	<1	2	12	<1	0.21
WVR-718	GRAB	885 - 22nd Street	17-Jul-17	0.5	<1	<2	15	<1	0.46
WVR-718	GRAB	885 - 22nd Street	14-Aug-17	0.5	<1	6	16	<1	0.14
WVR-718	GRAB	885 - 22nd Street	11-Sep-17	0.4	<1	8	19	<1	0.16
WVR-718	GRAB	885 - 22nd Street	11-Oct-17	0.88	<1	<2	15	<1	0.14
WVR-718	GRAB	885 - 22nd Street	6-Nov-17	0.56	<1	2	10	<1	0.35
WVR-718	GRAB	885 - 22nd Street	4-Dec-17	0.4	<1	<2	9	<1	0.18
WVR-761	GRAB	243 Rabbit Lane	23-Jan-17	0.72	<1	8	4	<1	0.37
WVR-761	GRAB	243 Rabbit Lane	20-Feb-17	0.23	<1	4	4	<1	0.58
WVR-761	GRAB	243 Rabbit Lane	20-Mar-17	0.55	<1	6	5	<1	0.45
WVR-761	GRAB	243 Rabbit Lane	19-Apr-17	0.32	<1	18	6	<1	0.52
WVR-761	GRAB	243 Rabbit Lane	15-May-17	0.32	<1	12	7	<1	0.62
WVR-761	GRAB	243 Rabbit Lane	12-Jun-17	0.3	<1	<2	8	<1	0.24
WVR-761	GRAB	243 Rabbit Lane	10-Jul-17	0.35	<1	10	15	<1	0.32
WVR-761	GRAB	243 Rabbit Lane	9-Aug-17	0.28	<1	4	17	<1	0.22

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WVR-761	GRAB	243 Rabbit Lane	6-Sep-17	0.21	<1	2	19	<1	0.34
WVR-761	GRAB	243 Rabbit Lane	2-Oct-17	0.23	<1	100	15	<1	0.39
WVR-761	GRAB	243 Rabbit Lane	30-Oct-17	0.2	<1	130	10	<1	0.57
WVR-761	GRAB	243 Rabbit Lane	27-Nov-17	0.21	<1	86	9	<1	0.56
WVR-761	GRAB	243 Rabbit Lane	27-Dec-17	0.62	<1	NA	5	<1	0.14
WVR-764	GRAB	111 Bridge Road	23-Jan-17	0.86	<1	<2	3	<1	0.14
WVR-764	GRAB	111 Bridge Road	20-Feb-17	0.79	<1	<2	4	<1	0.13
WVR-764	GRAB	111 Bridge Road	20-Mar-17	0.61	<1	<2	5	<1	0.11
WVR-764	GRAB	111 Bridge Road	19-Apr-17	0.71	<1	2	6	<1	0.12
WVR-764	GRAB	111 Bridge Road	15-May-17	0.76	<1	<2	7	<1	0.16
WVR-764	GRAB	111 Bridge Road	12-Jun-17	0.72	<1	2	8	<1	0.11
WVR-764	GRAB	111 Bridge Road	10-Jul-17	0.85	<1	<2	11	<1	0.13
WVR-764	GRAB	111 Bridge Road	9-Aug-17	0.91	<1	<2	11	<1	0.15
WVR-764	GRAB	111 Bridge Road	6-Sep-17	0.68	<1	<2	17	<1	0.21
WVR-764	GRAB	111 Bridge Road	2-Oct-17	0.62	<1	<2	14	<1	0.26
WVR-764	GRAB	111 Bridge Road	30-Oct-17	0.76	<1	<2	9	<1	0.17
WVR-764	GRAB	111 Bridge Road	27-Nov-17	0.79	<1	<2	5	<1	0.17
WVR-764	GRAB	111 Bridge Road	27-Dec-17	0.69	<1	NA	4	<1	0.45
WVR-790	GRAB	19 Glenmore Drive	9-Jan-17	0.78	<1	<2	5	<1	0.62
WVR-790	GRAB	19 Glenmore Drive	23-Jan-17	0.88	<1	<2	5	<1	0.24
WVR-790	GRAB	19 Glenmore Drive	6-Feb-17	0.73	<1	<2	4	<1	0.43
WVR-790	GRAB	19 Glenmore Drive	20-Feb-17	0.69	<1	<2	5	<1	0.74
WVR-790	GRAB	19 Glenmore Drive	6-Mar-17	0.78	<1	<2	4	<1	0.35
WVR-790	GRAB	19 Glenmore Drive	20-Mar-17	0.62	<1	<2	6	<1	0.56
WVR-790	GRAB	19 Glenmore Drive	3-Apr-17	0.7	<1	<2	5	<1	0.63
WVR-790	GRAB	19 Glenmore Drive	19-Apr-17	0.63	<1	2	6	<1	0.47
WVR-790	GRAB	19 Glenmore Drive	1-May-17	0.55	<1	<2	6	<1	0.66
WVR-790	GRAB	19 Glenmore Drive	15-May-17	0.43	<1	<2	7	<1	0.68
WVR-790	GRAB	19 Glenmore Drive	29-May-17	0.78	<1	<2	10	<1	0.22
WVR-790	GRAB	19 Glenmore Drive	12-Jun-17	0.59	<1	<2	8	<1	0.28
WVR-790	GRAB	19 Glenmore Drive	26-Jun-17	0.83	<1	<2	15	<1	0.59
WVR-790	GRAB	19 Glenmore Drive	10-Jul-17	0.88	<1	<2	10	<1	0.15
WVR-790	GRAB	19 Glenmore Drive	24-Jul-17	0.61	<1	<2	11	<1	0.45
WVR-790	GRAB	19 Glenmore Drive	9-Aug-17	0.73	<1	<2	13	<1	0.2
WVR-790	GRAB	19 Glenmore Drive	21-Aug-17	0.57	<1	<2	15	<1	0.25
WVR-790	GRAB	19 Glenmore Drive	6-Sep-17	0.61	<1	<2	19	<1	0.36
WVR-790	GRAB	19 Glenmore Drive	18-Sep-17	0.94	<1	<2	16	<1	0.24
WVR-790	GRAB	19 Glenmore Drive	2-Oct-17	0.87	<1	<2	14	<1	0.48
WVR-790	GRAB	19 Glenmore Drive	16-Oct-17	0.45	<1	<2	13	<1	0.7
WVR-790	GRAB	19 Glenmore Drive	30-Oct-17	0.61	<1	<2	10	<1	0.62
WVR-790	GRAB	19 Glenmore Drive	15-Nov-17	0.58	<1	2	8	<1	1.1
WVR-790	GRAB	19 Glenmore Drive	27-Nov-17	0.22	<1	<2	10	<1	0.82
WVR-790	GRAB	19 Glenmore Drive	11-Dec-17	0.45	<1	<2	10	<1	0.56
WVR-790	GRAB	19 Glenmore Drive	27-Dec-17	0.44	<1	NA	5	<1	0.67
WVR-791	GRAB	200 Keith Road	9-Jan-17	0.44	<1	<2	3	<1	0.14
WVR-791	GRAB	200 Keith Road	6-Feb-17	0.83	<1	<2	3	<1	0.12
WVR-791	GRAB	200 Keith Road	6-Mar-17	1.03	<1	<2	4	<1	0.14
WVR-791	GRAB	200 Keith Road	3-Apr-17	0.85	<1	<2	4	<1	0.14

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WVR-791	GRAB	200 Keith Road	1-May-17	0.21	<1	2300	6	<1	1.8
WVR-791	GRAB	200 Keith Road	29-May-17	0.73	<1	6	11	<1	0.34
WVR-791	GRAB	200 Keith Road	26-Jun-17	0.78	<1	<2	11	<1	0.67
WVR-791	GRAB	200 Keith Road	24-Jul-17	0.78	<1	8	10	<1	0.36
WVR-791	GRAB	200 Keith Road	21-Aug-17	0.81	<1	<2	15	<1	0.18
WVR-791	GRAB	200 Keith Road	18-Sep-17	1.11	<1	<2	15	<1	0.16
WVR-791	GRAB	200 Keith Road	16-Oct-17	0.8	<1	2	10	<1	0.17
WVR-791	GRAB	200 Keith Road	15-Nov-17	0.65	<1	2	8	<1	0.43
WVR-791	GRAB	200 Keith Road	11-Dec-17	0.87	<1	2	5	<1	0.18
WVR-792	GRAB	76 Bonnymuir Drive	9-Jan-17	0.82	<1	<2	5	<1	0.17
WVR-792	GRAB	76 Bonnymuir Drive	23-Jan-17	0.73	<1	2	5	<1	0.35
WVR-792	GRAB	76 Bonnymuir Drive	6-Feb-17	0.61	<1	<2	3	<1	0.25
WVR-792	GRAB	76 Bonnymuir Drive	20-Feb-17	1.01	<1	<2	4	<1	0.15
WVR-792	GRAB	76 Bonnymuir Drive	6-Mar-17	0.77	<1	<2	4	<1	0.13
WVR-792	GRAB	76 Bonnymuir Drive	20-Mar-17	0.68	<1	<2	6	<1	0.28
WVR-792	GRAB	76 Bonnymuir Drive	3-Apr-17	0.57	<1	<2	5	<1	0.3
WVR-792	GRAB	76 Bonnymuir Drive	19-Apr-17	0.6	<1	2	6	<1	0.19
WVR-792	GRAB	76 Bonnymuir Drive	1-May-17	0.72	<1	<2	6	<1	0.14
WVR-792	GRAB	76 Bonnymuir Drive	15-May-17	0.62	<1	<2	7	<1	0.23
WVR-792	GRAB	76 Bonnymuir Drive	29-May-17	0.47	<1	2	11	<1	0.11
WVR-792	GRAB	76 Bonnymuir Drive	12-Jun-17	0.66	<1	<2	8	<1	0.42
WVR-792	GRAB	76 Bonnymuir Drive	26-Jun-17	0.85	<1	<2	12	<1	0.75
WVR-792	GRAB	76 Bonnymuir Drive	10-Jul-17	0.81	<1	2	14	<1	0.12
WVR-792	GRAB	76 Bonnymuir Drive	24-Jul-17	0.57	<1	<2	12	<1	0.19
WVR-792	GRAB	76 Bonnymuir Drive	9-Aug-17	0.73	<1	<2	14	<1	0.12
WVR-792	GRAB	76 Bonnymuir Drive	21-Aug-17	0.66	<1	<2	14	<1	0.15
WVR-792	GRAB	76 Bonnymuir Drive	6-Sep-17	0.55	<1	<2	19	<1	0.33
WVR-792	GRAB	76 Bonnymuir Drive	18-Sep-17	0.95	<1	<2	16	<1	0.23
WVR-792	GRAB	76 Bonnymuir Drive	2-Oct-17	0.64	<1	4	14	<1	0.23
WVR-792	GRAB	76 Bonnymuir Drive	16-Oct-17	0.47	<1	2	12	<1	0.23
WVR-792	GRAB	76 Bonnymuir Drive	30-Oct-17	0.46	<1	2	11	<1	0.23
WVR-792	GRAB	76 Bonnymuir Drive	15-Nov-17	0.45	<1	2	9	<1	0.34
WVR-792	GRAB	76 Bonnymuir Drive	27-Nov-17	0.47	<1	<2	7	<1	0.22
WVR-792	GRAB	76 Bonnymuir Drive	11-Dec-17	0.46	<1	4	7	<1	0.22
WVR-792	GRAB	76 Bonnymuir Drive	27-Dec-17	0.42	<1	NA	6	<1	0.24
WVR-793	GRAB	559 Kildonan Road	9-Jan-17	0.75	<1	<2	3	<1	0.26
WVR-793	GRAB	559 Kildonan Road	6-Feb-17	0.69	<1	<2	4	<1	0.21
WVR-793	GRAB	559 Kildonan Road	6-Mar-17	0.67	<1	24	4	<1	0.21
WVR-793	GRAB	559 Kildonan Road	3-Apr-17	0.48	<1	<2	5	<1	0.19
WVR-793	GRAB	559 Kildonan Road	1-May-17	0.38	<1	<2	6	<1	0.13
WVR-793	GRAB	559 Kildonan Road	29-May-17	0.32	<1	<2	12	<1	0.12
WVR-793	GRAB	559 Kildonan Road	26-Jun-17	0.66	<1	2	14	<1	0.62
WVR-793	GRAB	559 Kildonan Road	24-Jul-17	0.33	<1	<2	15	<1	0.44
WVR-793	GRAB	559 Kildonan Road	21-Aug-17	0.42	<1	<2	17	<1	0.11
WVR-793	GRAB	559 Kildonan Road	18-Sep-17	0.54	<1	<2	17	<1	0.12
WVR-793	GRAB	559 Kildonan Road	16-Oct-17	0.43	<1	<2	11	<1	0.2
WVR-793	GRAB	559 Kildonan Road	15-Nov-17	0.37	<1	<2	7	<1	0.39
WVR-793	GRAB	559 Kildonan Road	11-Dec-17	0.5	<1	<2	5	<1	0.15

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WVR-794	GRAB	702 Barnham Road	9-Jan-17	0.9	<1	<2	3	<1	0.14
WVR-794	GRAB	702 Barnham Road	6-Feb-17	0.82	<1	<2	3	<1	0.12
WVR-794	GRAB	702 Barnham Road	6-Mar-17	0.7	<1	<2	4	<1	0.14
WVR-794	GRAB	702 Barnham Road	3-Apr-17	0.56	<1	<2	5	<1	0.2
WVR-794	GRAB	702 Barnham Road	1-May-17	0.54	<1	<2	6	<1	0.25
WVR-794	GRAB	702 Barnham Road	29-May-17	0.54	<1	<2	13	<1	0.17
WVR-794	GRAB	702 Barnham Road	26-Jun-17	0.68	<1	<2	14	<1	0.52
WVR-794	GRAB	702 Barnham Road	24-Jul-17	0.64	<1	<2	14	<1	0.68
WVR-794	GRAB	702 Barnham Road	21-Aug-17	0.52	<1	2	16	<1	0.21
WVR-794	GRAB	702 Barnham Road	18-Sep-17	0.73	<1	<2	17	<1	0.17
WVR-794	GRAB	702 Barnham Road	16-Oct-17	0.78	<1	<2	12	<1	0.2
WVR-794	GRAB	702 Barnham Road	15-Nov-17	0.54	<1	8	7	<1	0.26
WVR-794	GRAB	702 Barnham Road	11-Dec-17	1.11	<1	<2	6	<1	0.19
WVR-795	GRAB	620 Kenwood Road	9-Jan-17	0.7	<1	<2	3	<1	0.25
WVR-795	GRAB	620 Kenwood Road	6-Feb-17	0.41	<1	<2	3	<1	0.19
WVR-795	GRAB	620 Kenwood Road	6-Mar-17	0.54	<1	2	4	<1	0.14
WVR-795	GRAB	620 Kenwood Road	3-Apr-17	0.52	<1	<2	5	<1	0.18
WVR-795	GRAB	620 Kenwood Road	1-May-17	0.46	<1	<2	6	<1	0.15
WVR-795	GRAB	620 Kenwood Road	29-May-17	0.61	<1	<2	11	<1	0.18
WVR-795	GRAB	620 Kenwood Road	26-Jun-17	0.97	<1	<2	15	<1	1.3
WVR-795	GRAB	620 Kenwood Road	24-Jul-17	0.54	<1	<2	12	<1	0.48
WVR-795	GRAB	620 Kenwood Road	21-Aug-17	0.77	<1	<2	17	<1	0.15
WVR-795	GRAB	620 Kenwood Road	18-Sep-17	0.77	<1	<2	16	<1	0.2
WVR-795	GRAB	620 Kenwood Road	16-Oct-17	0.47	<1	2	12	<1	0.19
WVR-795	GRAB	620 Kenwood Road	15-Nov-17	0.92	<1	6	8	<1	0.41
WVR-795	GRAB	620 Kenwood Road	11-Dec-17	0.22	<1	6	5	<1	0.22
WVR-796	GRAB	315 Mathers Avenue	9-Jan-17	0.77	<1	2	6	<1	0.11
WVR-796	GRAB	315 Mathers Avenue	23-Jan-17	0.71	<1	<2	5	<1	0.12
WVR-796	GRAB	315 Mathers Avenue	6-Feb-17	0.89	<1	<2	4	<1	0.1
WVR-796	GRAB	315 Mathers Avenue	20-Feb-17	0.46	<1	2	5	<1	0.09
WVR-796	GRAB	315 Mathers Avenue	6-Mar-17	0.93	<1	<2	5	<1	0.27
WVR-796	GRAB	315 Mathers Avenue	20-Mar-17	0.35	<1	8	6	<1	0.1
WVR-796	GRAB	315 Mathers Avenue	3-Apr-17	0.8	<1	<2	5	<1	0.32
WVR-796	GRAB	315 Mathers Avenue	19-Apr-17	0.7	<1	<2	6	<1	0.09
WVR-796	GRAB	315 Mathers Avenue	1-May-17	0.6	<1	<2	7	<1	0.15
WVR-796	GRAB	315 Mathers Avenue	15-May-17	0.5	<1	<2	7	<1	0.21
WVR-796	GRAB	315 Mathers Avenue	29-May-17	0.68	<1	<2	12	<1	0.33
WVR-796	GRAB	315 Mathers Avenue	12-Jun-17	0.72	<1	<2	8	<1	0.13
WVR-796	GRAB	315 Mathers Avenue	26-Jun-17	1.02	<1	<2	12	<1	0.56
WVR-796	GRAB	315 Mathers Avenue	10-Jul-17	0.76	<1	<2	14	<1	0.14
WVR-796	GRAB	315 Mathers Avenue	24-Jul-17	0.76	<1	<2	11	<1	0.55
WVR-796	GRAB	315 Mathers Avenue	9-Aug-17	0.69	<1	2	16	<1	0.21
WVR-796	GRAB	315 Mathers Avenue	21-Aug-17	0.77	<1	<2	15	<1	0.15
WVR-796	GRAB	315 Mathers Avenue	6-Sep-17	0.67	<1	4	18	<1	0.28
WVR-796	GRAB	315 Mathers Avenue	18-Sep-17	1	<1	2	15	<1	0.21
WVR-796	GRAB	315 Mathers Avenue	2-Oct-17	0.64	<1	<2	14	<1	0.26
WVR-796	GRAB	315 Mathers Avenue	16-Oct-17	0.65	<1	<2	12	<1	0.17
WVR-796	GRAB	315 Mathers Avenue	30-Oct-17	0.49	<1	<2	11	<1	0.51

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WVR-796	GRAB	315 Mathers Avenue	15-Nov-17	0.28	<1	2	10	<1	0.24
WVR-796	GRAB	315 Mathers Avenue	27-Nov-17	0.49	<1	<2	11	<1	0.14
WVR-796	GRAB	315 Mathers Avenue	11-Dec-17	0.22	<1	<2	13	<1	0.21
WVR-796	GRAB	315 Mathers Avenue	27-Dec-17	0.42	<1	NA	6	<1	0.13
WVR-797	GRAB	395 Klahanie Court	23-Jan-17	0.38	<1	6	4	<1	0.56
WVR-797	GRAB	395 Klahanie Court	20-Feb-17	0.37	<1	10	4	<1	0.54
WVR-797	GRAB	395 Klahanie Court	20-Mar-17	0.41	<1	12	5	<1	0.26
WVR-797	GRAB	395 Klahanie Court	19-Apr-17	0.24	<1	10	7	<1	0.17
WVR-797	GRAB	395 Klahanie Court	15-May-17	0.25	<1	8	7	<1	0.28
WVR-797	GRAB	395 Klahanie Court	12-Jun-17	0.62	<1	<2	8	<1	0.21
WVR-797	GRAB	395 Klahanie Court	10-Jul-17	0.8	<1	<2	14	<1	0.13
WVR-797	GRAB	395 Klahanie Court	9-Aug-17	0.73	<1	<2	15	<1	0.16
WVR-797	GRAB	395 Klahanie Court	6-Sep-17	0.42	<1	<2	17	<1	0.2
WVR-797	GRAB	395 Klahanie Court	2-Oct-17	0.25	<1	210	14	<1	0.29
WVR-797	GRAB	395 Klahanie Court	30-Oct-17	0.96	<1	4	11	<1	0.37
WVR-797	GRAB	395 Klahanie Court	27-Nov-17	0.5	<1	32	8	<1	0.24
WVR-797	GRAB	395 Klahanie Court	27-Dec-17	0.48	<1	NA	6	<1	0.15
WVR-880	GRAB	965 Cross Creek Road	16-Jan-17	1.02	<1	<2	5	<1	0.08
WVR-880	GRAB	965 Cross Creek Road	15-Feb-17	0.61	<1	<2	4	<1	0.15
WVR-880	GRAB	965 Cross Creek Road	13-Mar-17	0.52	<1	2	5	<1	0.12
WVR-880	GRAB	965 Cross Creek Road	10-Apr-17	1.13	<1	<2	6	<1	0.12
WVR-880	GRAB	965 Cross Creek Road	8-May-17	0.93	<1	<2	7	<1	0.11
WVR-880	GRAB	965 Cross Creek Road	5-Jun-17	0.79	<1	<2	10	<1	0.47
WVR-880	GRAB	965 Cross Creek Road	5-Jul-17	0.62	<1	2	16	<1	0.13
WVR-880	GRAB	965 Cross Creek Road	31-Jul-17	0.7	<1	<2	15	<1	0.16
WVR-880	GRAB	965 Cross Creek Road	28-Aug-17	0.69	<1	6	19	<1	0.37
WVR-880	GRAB	965 Cross Creek Road	25-Sep-17	0.64	<1	2	15	<1	0.17
WVR-880	GRAB	965 Cross Creek Road	23-Oct-17	0.76	<1	10	13	<1	0.12
WVR-880	GRAB	965 Cross Creek Road	20-Nov-17	1.05	<1	6	9	<1	0.24
WVR-880	GRAB	965 Cross Creek Road	18-Dec-17	1.08	<1	NA	6	<1	0.12
WEAG-710	GRAB	4782 Woodgreen Drive	4-Jan-17	1.13	<1	18	3	<1	1.5
WEAG-710	GRAB	4782 Woodgreen Drive	30-Jan-17	1.11	<1	<2	3	<1	0.19
WEAG-710	GRAB	4782 Woodgreen Drive	27-Feb-17	1.08	<1	<2	5	<1	0.22
WEAG-710	GRAB	4782 Woodgreen Drive	27-Mar-17	1.19	<1	<2	6	<1	0.21
WEAG-710	GRAB	4782 Woodgreen Drive	24-Apr-17	1.2	<1	<2	6	<1	0.1
WEAG-710	GRAB	4782 Woodgreen Drive	24-May-17	1.26	<1	<2	6	<1	0.1
WEAG-710	GRAB	4782 Woodgreen Drive	19-Jun-17	1.14	<1	<2	12	<1	0.17
WEAG-710	GRAB	4782 Woodgreen Drive	17-Jul-17	1.2	<1	<2	18	<1	0.19
WEAG-710	GRAB	4782 Woodgreen Drive	14-Aug-17	0.95	<1	2	21	<1	0.17
WEAG-710	GRAB	4782 Woodgreen Drive	11-Sep-17	1.18	<1	8	17	<1	0.5
WEAG-710	GRAB	4782 Woodgreen Drive	11-Oct-17	1.18	<1	<2	10	<1	0.19
WEAG-710	GRAB	4782 Woodgreen Drive	6-Nov-17	1.17	<1	<2	6	<1	0.53
WEAG-710	GRAB	4782 Woodgreen Drive	4-Dec-17	1.19	<1	6	6	<1	0.18
WEAG-716	GRAB	The Dale & Marine	4-Jan-17	0.72	<1	2	5	<1	3.5
WEAG-716	GRAB	The Dale & Marine	16-Jan-17	0.7	<1	2	5	<1	0.11
WEAG-716	GRAB	The Dale & Marine	30-Jan-17	0.85	<1	2	5	<1	0.18
WEAG-716	GRAB	The Dale & Marine	15-Feb-17	0.98	<1	<2	4	<1	0.2
WEAG-716	GRAB	The Dale & Marine	27-Feb-17	0.78	<1	<2	5	<1	0.1

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-716	GRAB	The Dale & Marine	13-Mar-17	0.85	<1	2	5	<1	0.14
WEAG-716	GRAB	The Dale & Marine	27-Mar-17	0.72	<1	<2	6	<1	0.29
WEAG-716	GRAB	The Dale & Marine	10-Apr-17	1.09	<1	<2	6	<1	0.26
WEAG-716	GRAB	The Dale & Marine	24-Apr-17	0.88	<1	2	6	<1	0.57
WEAG-716	GRAB	The Dale & Marine	8-May-17	0.72	<1	2	7	<1	0.12
WEAG-716	GRAB	The Dale & Marine	24-May-17	0.82	<1	<2	6	<1	0.12
WEAG-716	GRAB	The Dale & Marine	5-Jun-17	0.94	<1	2	13	<1	0.17
WEAG-716	GRAB	The Dale & Marine	19-Jun-17	0.87	<1	<2	12	<1	0.16
WEAG-716	GRAB	The Dale & Marine	5-Jul-17	0.88	<1	2	16	<1	0.24
WEAG-716	GRAB	The Dale & Marine	17-Jul-17	1	<1	8	17	<1	0.25
WEAG-716	GRAB	The Dale & Marine	31-Jul-17	0.87	<1	8	20	<1	0.27
WEAG-716	GRAB	The Dale & Marine	14-Aug-17	0.87	<1	6	20	<1	0.39
WEAG-716	GRAB	The Dale & Marine	28-Aug-17	0.86	<1	4	20	<1	5.8
WEAG-716	GRAB	The Dale & Marine	11-Sep-17	0.91	<1	6	17	<1	0.42
WEAG-716	GRAB	The Dale & Marine	25-Sep-17	0.92	<1	4	15	<1	0.66
WEAG-716	GRAB	The Dale & Marine	11-Oct-17	0.93	<1	4	14	<1	0.13
WEAG-716	GRAB	The Dale & Marine	23-Oct-17	0.69	<1	6	12	<1	0.12
WEAG-716	GRAB	The Dale & Marine	6-Nov-17	0.76	<1	30	7	<1	0.31
WEAG-716	GRAB	The Dale & Marine	20-Nov-17	0.92	<1	10	9	<1	0.2
WEAG-716	GRAB	The Dale & Marine	4-Dec-17	0.94	<1	12	8	<1	0.18
WEAG-716	GRAB	The Dale & Marine	18-Dec-17	0.85	<1	NA	7	<1	0.26
WEAG-719	GRAB	2600 Chelsea Court	9-Jan-17	0.72	<1	4	5	<1	0.41
WEAG-719	GRAB	2600 Chelsea Court	23-Jan-17	0.46	<1	<2	5	<1	0.45
WEAG-719	GRAB	2600 Chelsea Court	6-Feb-17	0.76	<1	<2	4	<1	0.8
WEAG-719	GRAB	2600 Chelsea Court	20-Feb-17	1.21	<1	<2	4	<1	0.08
WEAG-719	GRAB	2600 Chelsea Court	6-Mar-17	0.41	<1	2	4	<1	0.44
WEAG-719	GRAB	2600 Chelsea Court	20-Mar-17	0.52	<1	<2	6	<1	0.34
WEAG-719	GRAB	2600 Chelsea Court	3-Apr-17	0.41	<1	4	5	<1	0.39
WEAG-719	GRAB	2600 Chelsea Court	19-Apr-17	0.88	<1	26	6	<1	0.51
WEAG-719	GRAB	2600 Chelsea Court	1-May-17	0.67	<1	<2	6	<1	0.22
WEAG-719	GRAB	2600 Chelsea Court	15-May-17	1.13	<1	<2	7	<1	0.12
WEAG-719	GRAB	2600 Chelsea Court	29-May-17	0.96	<1	<2	12	<1	0.07
WEAG-719	GRAB	2600 Chelsea Court	12-Jun-17	0.71	<1	8	8	<1	0.21
WEAG-719	GRAB	2600 Chelsea Court	26-Jun-17	0.72	<1	<2	15	<1	0.83
WEAG-719	GRAB	2600 Chelsea Court	10-Jul-17	1.01	<1	<2	15	<1	0.11
WEAG-719	GRAB	2600 Chelsea Court	24-Jul-17	0.9	<1	<2	15	<1	0.45
WEAG-719	GRAB	2600 Chelsea Court	9-Aug-17	1.02	<1	<2	21	<1	0.09
WEAG-719	GRAB	2600 Chelsea Court	21-Aug-17	1.06	<1	<2	19	<1	0.1
WEAG-719	GRAB	2600 Chelsea Court	6-Sep-17	0.65	<1	<2	21	<1	0.17
WEAG-719	GRAB	2600 Chelsea Court	18-Sep-17	0.72	<1	<2	18	<1	0.14
WEAG-719	GRAB	2600 Chelsea Court	2-Oct-17	0.69	<1	<2	16	<1	0.26
WEAG-719	GRAB	2600 Chelsea Court	16-Oct-17	0.77	<1	2	13	<1	0.25
WEAG-719	GRAB	2600 Chelsea Court	30-Oct-17	0.79	<1	8	11	<1	0.48
WEAG-719	GRAB	2600 Chelsea Court	15-Nov-17	0.87	<1	<2	9	<1	0.34
WEAG-719	GRAB	2600 Chelsea Court	27-Nov-17	0.74	<1	58	9	<1	0.17
WEAG-719	GRAB	2600 Chelsea Court	11-Dec-17	0.8	<1	<2	7	<1	0.26
WEAG-719	GRAB	2600 Chelsea Court	27-Dec-17	0.93	<1	NA	5	<1	0.25
WEAG-765	GRAB	5459 West Vista Court	16-Jan-17	0.83	<1	<2	5	<1	0.08

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-765	GRAB	5459 West Vista Court	15-Feb-17	0.7	<1	<2	5	<1	0.17
WEAG-765	GRAB	5459 West Vista Court	13-Mar-17	0.86	<1	<2	5	<1	0.12
WEAG-765	GRAB	5459 West Vista Court	10-Apr-17	1.04	<1	<2	6	<1	0.13
WEAG-765	GRAB	5459 West Vista Court	8-May-17	0.91	<1	<2	7	<1	0.08
WEAG-765	GRAB	5459 West Vista Court	5-Jun-17	1.04	<1	46	13	<1	0.68
WEAG-765	GRAB	5459 West Vista Court	5-Jul-17	0.67	<1	<2	15	<1	0.13
WEAG-765	GRAB	5459 West Vista Court	31-Jul-17	0.84	<1	<2	21	<1	0.12
WEAG-765	GRAB	5459 West Vista Court	28-Aug-17	0.92	<1	<2	19	<1	0.32
WEAG-765	GRAB	5459 West Vista Court	25-Sep-17	0.91	<1	<2	16	<1	0.16
WEAG-765	GRAB	5459 West Vista Court	23-Oct-17	0.5	<1	2	14	<1	0.11
WEAG-765	GRAB	5459 West Vista Court	20-Nov-17	0.72	<1	<2	10	<1	0.15
WEAG-765	GRAB	5459 West Vista Court	18-Dec-17	1.02	<1	NA	7	<1	0.14
WEAG-768	GRAB	2185 Gisby Street	23-Jan-17	1.11	<1	<2	4	<1	0.09
WEAG-768	GRAB	2185 Gisby Street	20-Feb-17	1.29	<1	<2	4	<1	0.15
WEAG-768	GRAB	2185 Gisby Street	20-Mar-17	1.2	<1	<2	5	<1	0.12
WEAG-768	GRAB	2185 Gisby Street	19-Apr-17	0.68	<1	<2	6	<1	0.08
WEAG-768	GRAB	2185 Gisby Street	15-May-17	1.15	<1	<2	7	<1	0.11
WEAG-768	GRAB	2185 Gisby Street	12-Jun-17	0.98	<1	<2	8	<1	0.39
WEAG-768	GRAB	2185 Gisby Street	10-Jul-17	0.85	<1	<2	15	<1	0.16
WEAG-768	GRAB	2185 Gisby Street	9-Aug-17	0.77	<1	4	16	<1	0.15
WEAG-768	GRAB	2185 Gisby Street	6-Sep-17	0.58	<1	<2	20	<1	0.24
WEAG-768	GRAB	2185 Gisby Street	2-Oct-17	0.96	<1	8	14	<1	0.34
WEAG-768	GRAB	2185 Gisby Street	30-Oct-17	0.45	<1	<2	12	<1	0.18
WEAG-768	GRAB	2185 Gisby Street	27-Nov-17	1.1	<1	<2	8	<1	0.07
WEAG-768	GRAB	2185 Gisby Street	27-Dec-17	1.16	<1	NA	5	<1	0.07
WEAG-769	GRAB	1210 Chartwell Drive	4-Jan-17	0.67	<1	<2	4	<1	0.2
WEAG-769	GRAB	1210 Chartwell Drive	30-Jan-17	0.88	<1	<2	5	<1	0.1
WEAG-769	GRAB	1210 Chartwell Drive	27-Feb-17	0.94	<1	<2	6	<1	0.12
WEAG-769	GRAB	1210 Chartwell Drive	27-Mar-17	1.11	<1	<2	6	<1	0.12
WEAG-769	GRAB	1210 Chartwell Drive	24-Apr-17	1.07	<1	<2	6	<1	0.09
WEAG-769	GRAB	1210 Chartwell Drive	24-May-17	0.91	<1	<2	6	<1	0.11
WEAG-769	GRAB	1210 Chartwell Drive	19-Jun-17	0.88	<1	<2	12	<1	0.14
WEAG-769	GRAB	1210 Chartwell Drive	17-Jul-17	0.74	<1	<2	15	<1	0.13
WEAG-769	GRAB	1210 Chartwell Drive	14-Aug-17	0.69	<1	<2	17	<1	0.16
WEAG-769	GRAB	1210 Chartwell Drive	11-Sep-17	0.62	<1	<2	18	<1	0.24
WEAG-769	GRAB	1210 Chartwell Drive	11-Oct-17	0.87	<1	2	14	<1	0.23
WEAG-769	GRAB	1210 Chartwell Drive	6-Nov-17	0.84	<1	16	9	<1	0.32
WEAG-769	GRAB	1210 Chartwell Drive	4-Dec-17	1.12	<1	2	9	<1	0.11
WEAG-770	GRAB	3828 Bayridge Avenue	4-Jan-17	0.56	<1	74	3	<1	0.21
WEAG-770	GRAB	3828 Bayridge Avenue	16-Jan-17	0.93	<1	<2	4	<1	0.14
WEAG-770	GRAB	3828 Bayridge Avenue	30-Jan-17	0.79	<1	<2	4	<1	0.13
WEAG-770	GRAB	3828 Bayridge Avenue	15-Feb-17	0.93	<1	<2	4	<1	0.14
WEAG-770	GRAB	3828 Bayridge Avenue	27-Feb-17	0.89	<1	<2	4	<1	0.11
WEAG-770	GRAB	3828 Bayridge Avenue	13-Mar-17	0.85	<1	<2	5	<1	0.19
WEAG-770	GRAB	3828 Bayridge Avenue	27-Mar-17	0.83	<1	<2	6	<1	0.14
WEAG-770	GRAB	3828 Bayridge Avenue	10-Apr-17	1.17	<1	<2	5	<1	0.17
WEAG-770	GRAB	3828 Bayridge Avenue	24-Apr-17	0.9	<1	<2	6	<1	0.19
WEAG-770	GRAB	3828 Bayridge Avenue	8-May-17	1.06	<1	<2	7	<1	0.11

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-770	GRAB	3828 Bayridge Avenue	24-May-17	0.92	<1	<2	6	<1	0.14
WEAG-770	GRAB	3828 Bayridge Avenue	5-Jun-17	0.88	<1	<2	11	<1	0.15
WEAG-770	GRAB	3828 Bayridge Avenue	19-Jun-17	0.87	<1	<2	11	<1	0.15
WEAG-770	GRAB	3828 Bayridge Avenue	5-Jul-17	0.73	<1	<2	15	<1	0.29
WEAG-770	GRAB	3828 Bayridge Avenue	17-Jul-17	0.67	<1	18	15	<1	0.15
WEAG-770	GRAB	3828 Bayridge Avenue	31-Jul-17	0.52	<1	<2	13	<1	0.13
WEAG-770	GRAB	3828 Bayridge Avenue	14-Aug-17	0.78	<1	<2	14	<1	0.16
WEAG-770	GRAB	3828 Bayridge Avenue	28-Aug-17	0.73	<1	<2	17	<1	0.4
WEAG-770	GRAB	3828 Bayridge Avenue	11-Sep-17	0.63	<1	2	16	<1	0.17
WEAG-770	GRAB	3828 Bayridge Avenue	25-Sep-17	0.82	<1	2	14	<1	0.16
WEAG-770	GRAB	3828 Bayridge Avenue	11-Oct-17	0.75	<1	<2	14	<1	0.23
WEAG-770	GRAB	3828 Bayridge Avenue	23-Oct-17	0.73	<1	<2	11	<1	0.14
WEAG-770	GRAB	3828 Bayridge Avenue	7-Nov-17	0.64	<1	<2	9	<1	0.2
WEAG-770	GRAB	3828 Bayridge Avenue	20-Nov-17	0.89	<1	<2	9	<1	0.13
WEAG-770	GRAB	3828 Bayridge Avenue	4-Dec-17	0.64	<1	<2	7	<1	0.12
WEAG-770	GRAB	3828 Bayridge Avenue	18-Dec-17	0.53	<1	NA	6	<1	0.12
WEAG-771	GRAB	6588 Royal Ave.	4-Jan-17	0.6	<1	<2	4	<1	0.47
WEAG-771	GRAB	6588 Royal Ave.	16-Jan-17	0.66	<1	4	5	<1	0.18
WEAG-771	GRAB	6588 Royal Ave.	30-Jan-17	0.9	<1	<2	6	<1	0.35
WEAG-771	GRAB	6588 Royal Ave.	15-Feb-17	0.88	<1	<2	7	<1	0.5
WEAG-771	GRAB	6588 Royal Ave.	27-Feb-17	0.77	<1	<2	5	<1	0.37
WEAG-771	GRAB	6588 Royal Ave.	13-Mar-17	0.89	<1	<2	5	<1	0.22
WEAG-771	GRAB	6588 Royal Ave.	27-Mar-17	0.8	<1	<2	6	<1	0.33
WEAG-771	GRAB	6588 Royal Ave.	10-Apr-17	0.94	<1	<2	5	<1	0.17
WEAG-771	GRAB	6588 Royal Ave.	24-Apr-17	0.9	<1	<2	6	<1	0.17
WEAG-771	GRAB	6588 Royal Ave.	8-May-17	0.88	<1	<2	7	<1	0.12
WEAG-771	GRAB	6588 Royal Ave.	24-May-17	0.81	<1	<2	6	<1	0.3
WEAG-771	GRAB	6588 Royal Ave.	5-Jun-17	0.7	<1	<2	15	<1	0.11
WEAG-771	GRAB	6588 Royal Ave.	19-Jun-17	0.83	<1	<2	13	<1	0.16
WEAG-771	GRAB	6588 Royal Ave.	5-Jul-17	0.97	<1	<2	14	<1	0.13
WEAG-771	GRAB	6588 Royal Ave.	17-Jul-17	0.75	<1	<2	17	<1	0.14
WEAG-771	GRAB	6588 Royal Ave.	31-Jul-17	0.86	<1	<2	19	<1	0.32
WEAG-771	GRAB	6588 Royal Ave.	14-Aug-17	0.69	<1	<2	21	<1	0.14
WEAG-771	GRAB	6588 Royal Ave.	28-Aug-17	0.67	<1	<2	20	<1	0.36
WEAG-771	GRAB	6588 Royal Ave.	11-Sep-17	0.7	<1	<2	20	<1	0.14
WEAG-771	GRAB	6588 Royal Ave.	25-Sep-17	0.85	<1	<2	15	<1	0.18
WEAG-771	GRAB	6588 Royal Ave.	11-Oct-17	1.41	<1	2	14	<1	0.15
WEAG-771	GRAB	6588 Royal Ave.	23-Oct-17	0.56	<1	<2	14	<1	0.19
WEAG-771	GRAB	6588 Royal Ave.	6-Nov-17	0.87	<1	4	9	<1	0.56
WEAG-771	GRAB	6588 Royal Ave.	20-Nov-17	1.02	<1	150	8	<1	0.24
WEAG-771	GRAB	6588 Royal Ave.	4-Dec-17	0.96	<1	12	8	<1	0.22
WEAG-771	GRAB	6588 Royal Ave.	18-Dec-17	0.9	<1	NA	8	<1	0.23
WEAG-772	GRAB	6470 Madrona Crescent	4-Jan-17	0.66	<1	<2	4	<1	0.28
WEAG-772	GRAB	6470 Madrona Crescent	16-Jan-17	0.71	<1	<2	6	<1	0.16
WEAG-772	GRAB	6470 Madrona Crescent	30-Jan-17	0.74	<1	<2	5	<1	0.2
WEAG-772	GRAB	6470 Madrona Crescent	15-Feb-17	0.93	<1	<2	7	<1	0.54
WEAG-772	GRAB	6470 Madrona Crescent	27-Feb-17	0.82	<1	<2	5	<1	0.3
WEAG-772	GRAB	6470 Madrona Crescent	13-Mar-17	0.87	<1	2	5	<1	0.36

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-772	GRAB	6470 Madrona Crescent	27-Mar-17	0.86	<1	<2	6	<1	0.3
WEAG-772	GRAB	6470 Madrona Crescent	10-Apr-17	0.93	<1	<2	6	<1	0.36
WEAG-772	GRAB	6470 Madrona Crescent	24-Apr-17	1.01	<1	<2	6	<1	0.12
WEAG-772	GRAB	6470 Madrona Crescent	8-May-17	0.85	<1	<2	7	<1	0.1
WEAG-772	GRAB	6470 Madrona Crescent	24-May-17	0.86	<1	<2	6	<1	0.21
WEAG-772	GRAB	6470 Madrona Crescent	5-Jun-17	0.89	<1	<2	14	<1	0.12
WEAG-772	GRAB	6470 Madrona Crescent	19-Jun-17	0.93	<1	NA	12	<1	0.24
WEAG-772	GRAB	6470 Madrona Crescent	5-Jul-17	0.91	<1	<2	15	<1	0.16
WEAG-772	GRAB	6470 Madrona Crescent	17-Jul-17	1.07	<1	<2	18	<1	0.22
WEAG-772	GRAB	6470 Madrona Crescent	31-Jul-17	0.86	<1	2	19	<1	0.22
WEAG-772	GRAB	6470 Madrona Crescent	14-Aug-17	1	<1	<2	21	<1	0.11
WEAG-772	GRAB	6470 Madrona Crescent	28-Aug-17	0.87	<1	<2	20	<1	0.31
WEAG-772	GRAB	6470 Madrona Crescent	11-Sep-17	0.83	<1	<2	18	<1	0.19
WEAG-772	GRAB	6470 Madrona Crescent	25-Sep-17	0.81	<1	2	16	<1	0.19
WEAG-772	GRAB	6470 Madrona Crescent	11-Oct-17	1.01	<1	<2	12	<1	0.3
WEAG-772	GRAB	6470 Madrona Crescent	23-Oct-17	0.6	<1	2	11	<1	0.14
WEAG-772	GRAB	6470 Madrona Crescent	6-Nov-17	0.89	<1	4	8	<1	0.32
WEAG-772	GRAB	6470 Madrona Crescent	20-Nov-17	1.04	<1	4	8	<1	0.29
WEAG-772	GRAB	6470 Madrona Crescent	4-Dec-17	1.08	<1	<2	8	<1	0.17
WEAG-772	GRAB	6470 Madrona Crescent	18-Dec-17	0.92	<1	NA	7	<1	0.17
WEAG-773	GRAB	Whytcliffe Park	15-Feb-17	0.56	<1	2	4	<1	0.45
WEAG-773	GRAB	Whytcliffe Park	13-Mar-17	0.54	<1	2	5	<1	0.19
WEAG-773	GRAB	Whytcliffe Park	10-Apr-17	0.7	<1	<2	5	<1	0.19
WEAG-773	GRAB	Whytcliffe Park	8-May-17	0.45	<1	<2	7	<1	0.15
WEAG-773	GRAB	Whytcliffe Park	5-Jun-17	0.8	<1	<2	15	<1	0.16
WEAG-773	GRAB	Whytcliffe Park	5-Jul-17	0.54	<1	4	16	<1	0.15
WEAG-773	GRAB	Whytcliffe Park	31-Jul-17	0.73	<1	<2	18	<1	0.15
WEAG-773	GRAB	Whytcliffe Park	28-Aug-17	0.22	<1	4	20	<1	0.28
WEAG-773	GRAB	Whytcliffe Park	25-Sep-17	0.33	<1	<2	14	<1	0.15
WEAG-773	GRAB	Whytcliffe Park	23-Oct-17	0.48	<1	44	13	<1	0.19
WEAG-773	GRAB	Whytcliffe Park	20-Nov-17	0.82	<1	36	8	<1	0.27
WEAG-773	GRAB	Whytcliffe Park	18-Dec-17	0.57	<1	NA	7	<1	0.33
WEAG-774	GRAB	6117 Gleneagles Drive	4-Jan-17	0.78	<1	2	5	<1	0.13
WEAG-774	GRAB	6117 Gleneagles Drive	16-Jan-17	0.68	<1	<2	5	<1	0.15
WEAG-774	GRAB	6117 Gleneagles Drive	30-Jan-17	0.93	<1	<2	5	<1	0.14
WEAG-774	GRAB	6117 Gleneagles Drive	27-Feb-17	0.98	<1	<2	5	<1	0.24
WEAG-774	GRAB	6117 Gleneagles Drive	27-Mar-17	0.91	<1	<2	6	<1	0.24
WEAG-774	GRAB	6117 Gleneagles Drive	24-Apr-17	1.1	<1	<2	6	<1	0.19
WEAG-774	GRAB	6117 Gleneagles Drive	24-May-17	0.93	<1	<2	6	<1	0.14
WEAG-774	GRAB	6117 Gleneagles Drive	19-Jun-17	1.25	<1	<2	12	<1	0.14
WEAG-774	GRAB	6117 Gleneagles Drive	17-Jul-17	0.98	<1	<2	17	<1	0.12
WEAG-774	GRAB	6117 Gleneagles Drive	14-Aug-17	0.89	<1	2	21	<1	0.22
WEAG-774	GRAB	6117 Gleneagles Drive	11-Sep-17	0.91	<1	2	17	<1	0.25
WEAG-774	GRAB	6117 Gleneagles Drive	11-Oct-17	0.91	<1	<2	14	<1	0.26
WEAG-774	GRAB	6117 Gleneagles Drive	6-Nov-17	0.92	<1	4	8	<1	0.42
WEAG-774	GRAB	6117 Gleneagles Drive	4-Dec-17	1.13	<1	2	8	<1	0.14
WEAG-776	GRAB	3755 Cypress Bowl Road	4-Jan-17	1.22	<1	<2	4	<1	0.2
WEAG-776	GRAB	3755 Cypress Bowl Road	30-Jan-17	1.26	<1	<2	4	<1	0.11

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-776	GRAB	3755 Cypress Bowl Road	27-Feb-17	1.25	<1	<2	5	<1	0.08
WEAG-776	GRAB	3755 Cypress Bowl Road	27-Mar-17	1.24	<1	<2	6	<1	0.16
WEAG-776	GRAB	3755 Cypress Bowl Road	24-Apr-17	1.23	<1	<2	6	<1	0.07
WEAG-776	GRAB	3755 Cypress Bowl Road	24-May-17	1.22	<1	<2	6	<1	0.15
WEAG-776	GRAB	3755 Cypress Bowl Road	19-Jun-17	1.27	<1	<2	11	<1	0.13
WEAG-776	GRAB	3755 Cypress Bowl Road	17-Jul-17	0.99	<1	2	18	<1	0.07
WEAG-776	GRAB	3755 Cypress Bowl Road	14-Aug-17	0.84	<1	2	20	<1	0.11
WEAG-776	GRAB	3755 Cypress Bowl Road	11-Sep-17	0.96	<1	<2	17	<1	0.12
WEAG-776	GRAB	3755 Cypress Bowl Road	11-Oct-17	1.01	<1	<2	12	<1	0.1
WEAG-776	GRAB	3755 Cypress Bowl Road	6-Nov-17	0.86	<1	<2	7	<1	0.18
WEAG-776	GRAB	3755 Cypress Bowl Road	4-Dec-17	1.17	<1	<2	6	<1	0.07
WEAG-778	GRAB	6190 Marine Drive	4-Jan-17	0.75	<1	<2	5	<1	0.2
WEAG-778	GRAB	6190 Marine Drive	16-Jan-17	1.06	<1	<2	5	<1	0.24
WEAG-778	GRAB	6190 Marine Drive	30-Jan-17	0.96	<1	<2	5	<1	0.45
WEAG-778	GRAB	6190 Marine Drive	15-Feb-17	1.04	<1	<2	4	<1	0.25
WEAG-778	GRAB	6190 Marine Drive	27-Feb-17	0.89	<1	<2	5	<1	0.23
WEAG-778	GRAB	6190 Marine Drive	13-Mar-17	0.97	<1	<2	5	<1	0.34
WEAG-778	GRAB	6190 Marine Drive	27-Mar-17	1.01	<1	<2	6	<1	0.23
WEAG-778	GRAB	6190 Marine Drive	10-Apr-17	1.22	<1	<2	5	<1	0.22
WEAG-778	GRAB	6190 Marine Drive	24-Apr-17	1.06	<1	2	6	<1	0.12
WEAG-778	GRAB	6190 Marine Drive	8-May-17	0.94	<1	8	7	<1	0.24
WEAG-778	GRAB	6190 Marine Drive	24-May-17	0.98	<1	<2	6	<1	0.21
WEAG-778	GRAB	6190 Marine Drive	5-Jun-17	0.95	<1	<2	12	<1	0.15
WEAG-778	GRAB	6190 Marine Drive	19-Jun-17	1.01	<1	<2	12	<1	0.14
WEAG-778	GRAB	6190 Marine Drive	5-Jul-17	0.98	<1	2	15	<1	0.13
WEAG-778	GRAB	6190 Marine Drive	17-Jul-17	0.99	<1	<2	17	<1	0.19
WEAG-778	GRAB	6190 Marine Drive	31-Jul-17	1.07	<1	<2	19	<1	0.2
WEAG-778	GRAB	6190 Marine Drive	14-Aug-17	0.84	<1	2	21	<1	0.15
WEAG-778	GRAB	6190 Marine Drive	28-Aug-17	1.06	<1	8	20	<1	0.86
WEAG-778	GRAB	6190 Marine Drive	11-Sep-17	0.94	<1	2	18	<1	0.19
WEAG-778	GRAB	6190 Marine Drive	25-Sep-17	0.92	<1	2	16	<1	0.2
WEAG-778	GRAB	6190 Marine Drive	11-Oct-17	0.98	<1	6	12	<1	0.31
WEAG-778	GRAB	6190 Marine Drive	23-Oct-17	0.67	<1	12	10	<1	0.14
WEAG-778	GRAB	6190 Marine Drive	6-Nov-17	0.98	<1	18	7	<1	0.41
WEAG-778	GRAB	6190 Marine Drive	20-Nov-17	1.1	<1	16	8	<1	0.29
WEAG-778	GRAB	6190 Marine Drive	4-Dec-17	1.12	<1	8	7	<1	0.32
WEAG-778	GRAB	6190 Marine Drive	18-Dec-17	1.03	<1	NA	6	<1	0.17
WEAG-779	GRAB	1370 Burnside Road	9-Jan-17	1.74	<1	<2	5	<1	0.17
WEAG-779	GRAB	1370 Burnside Road	6-Feb-17	0.93	<1	<2	5	<1	0.16
WEAG-779	GRAB	1370 Burnside Road	6-Mar-17	1.17	<1	<2	5	<1	0.11
WEAG-779	GRAB	1370 Burnside Road	3-Apr-17	1.1	<1	<2	5	<1	0.23
WEAG-779	GRAB	1370 Burnside Road	1-May-17	1.7	<1	<2	6	<1	0.17
WEAG-779	GRAB	1370 Burnside Road	29-May-17	0.82	<1	<2	10	<1	0.92
WEAG-779	GRAB	1370 Burnside Road	26-Jun-17	0.84	<1	<2	14	<1	0.97
WEAG-779	GRAB	1370 Burnside Road	24-Jul-17	0.71	<1	4	10	<1	0.52
WEAG-779	GRAB	1370 Burnside Road	21-Aug-17	0.68	<1	<2	16	<1	0.19
WEAG-779	GRAB	1370 Burnside Road	18-Sep-17	0.83	<1	<2	16	<1	0.15
WEAG-779	GRAB	1370 Burnside Road	16-Oct-17	0.87	<1	2	13	<1	0.13

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-779	GRAB	1370 Burnside Road	15-Nov-17	0.87	<1	<2	7	<1	0.34
WEAG-779	GRAB	1370 Burnside Road	11-Dec-17	1.04	<1	2	5	<1	0.12
WEAG-780	GRAB	5634 Westhaven Road	16-Jan-17	0.81	<1	<2	6	<1	0.28
WEAG-780	GRAB	5634 Westhaven Road	15-Feb-17	1.12	<1	2	4	<1	0.32
WEAG-780	GRAB	5634 Westhaven Road	13-Mar-17	0.98	<1	6	5	<1	0.16
WEAG-780	GRAB	5634 Westhaven Road	10-Apr-17	1.05	<1	<2	5	<1	0.19
WEAG-780	GRAB	5634 Westhaven Road	8-May-17	0.98	<1	<2	7	<1	0.16
WEAG-780	GRAB	5634 Westhaven Road	5-Jun-17	1.02	<1	<2	12	<1	0.16
WEAG-780	GRAB	5634 Westhaven Road	5-Jul-17	1.07	<1	<2	15	<1	0.17
WEAG-780	GRAB	5634 Westhaven Road	31-Jul-17	0.99	<1	<2	19	<1	0.18
WEAG-780	GRAB	5634 Westhaven Road	28-Aug-17	1.2	<1	<2	20	<1	0.42
WEAG-780	GRAB	5634 Westhaven Road	25-Sep-17	1.07	<1	<2	15	<1	0.25
WEAG-780	GRAB	5634 Westhaven Road	23-Oct-17	0.82	<1	4	10	<1	0.27
WEAG-780	GRAB	5634 Westhaven Road	20-Nov-17	1.15	<1	12	7	<1	0.33
WEAG-780	GRAB	5634 Westhaven Road	18-Dec-17	1.06	<1	NA	6	<1	0.19
WEAG-783	GRAB	4520 Almondel Place	4-Jan-17	1.01	<1	<2	3	<1	0.14
WEAG-783	GRAB	4520 Almondel Place	30-Jan-17	1	<1	8	4	<1	0.14
WEAG-783	GRAB	4520 Almondel Place	27-Feb-17	1.02	<1	<2	5	<1	0.1
WEAG-783	GRAB	4520 Almondel Place	27-Mar-17	1.12	<1	2	6	<1	0.2
WEAG-783	GRAB	4520 Almondel Place	24-Apr-17	1.11	<1	2	6	<1	0.15
WEAG-783	GRAB	4520 Almondel Place	24-May-17	1.12	<1	<2	6	<1	0.1
WEAG-783	GRAB	4520 Almondel Place	19-Jun-17	1.4	<1	<2	12	<1	0.22
WEAG-783	GRAB	4520 Almondel Place	17-Jul-17	1.08	<1	4	18	<1	0.1
WEAG-783	GRAB	4520 Almondel Place	14-Aug-17	0.89	<1	4	21	<1	0.25
WEAG-783	GRAB	4520 Almondel Place	11-Sep-17	1.06	<1	<2	18	<1	0.28
WEAG-783	GRAB	4520 Almondel Place	11-Oct-17	1.05	<1	2	14	<1	0.13
WEAG-783	GRAB	4520 Almondel Place	7-Nov-17	1.02	<1	2	8	<1	0.14
WEAG-783	GRAB	4520 Almondel Place	4-Dec-17	1.19	<1	8	7	<1	0.2
WEAG-784	GRAB	5759 Primrose Place	16-Jan-17	0.68	<1	4	4	<1	0.34
WEAG-784	GRAB	5759 Primrose Place	15-Feb-17	1.02	<1	<2	4	<1	0.42
WEAG-784	GRAB	5759 Primrose Place	13-Mar-17	1.05	<1	<2	5	<1	0.33
WEAG-784	GRAB	5759 Primrose Place	10-Apr-17	1.06	<1	2	5	<1	0.36
WEAG-784	GRAB	5759 Primrose Place	8-May-17	0.89	<1	<2	7	<1	0.17
WEAG-784	GRAB	5759 Primrose Place	5-Jun-17	0.94	<1	<2	13	<1	0.22
WEAG-784	GRAB	5759 Primrose Place	5-Jul-17	0.85	<1	<2	15	<1	0.3
WEAG-784	GRAB	5759 Primrose Place	31-Jul-17	0.88	<1	<2	19	<1	0.26
WEAG-784	GRAB	5759 Primrose Place	28-Aug-17	0.83	<1	2	20	<1	0.57
WEAG-784	GRAB	5759 Primrose Place	25-Sep-17	0.85	<1	<2	15	<1	0.28
WEAG-784	GRAB	5759 Primrose Place	23-Oct-17	0.72	<1	<2	10	<1	0.29
WEAG-784	GRAB	5759 Primrose Place	20-Nov-17	1.03	<1	32	7	<1	0.31
WEAG-784	GRAB	5759 Primrose Place	18-Dec-17	1.02	<1	NA	6	<1	0.34
WEAG-785	GRAB	4820 Headland Drive	16-Jan-17	0.96	<1	<2	4	<1	0.33
WEAG-785	GRAB	4820 Headland Drive	15-Feb-17	1.06	<1	2	4	<1	0.18
WEAG-785	GRAB	4820 Headland Drive	13-Mar-17	1.04	<1	2	5	<1	0.09
WEAG-785	GRAB	4820 Headland Drive	10-Apr-17	1.14	<1	<2	6	<1	0.14
WEAG-785	GRAB	4820 Headland Drive	8-May-17	0.9	<1	<2	7	<1	0.1
WEAG-785	GRAB	4820 Headland Drive	5-Jun-17	1.07	<1	<2	12	<1	1.3
WEAG-785	GRAB	4820 Headland Drive	5-Jul-17	1.07	<1	2	15	<1	0.23

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WEAG-785	GRAB	4820 Headland Drive	31-Jul-17	1.01	<1	2	21	<1	0.27
WEAG-785	GRAB	4820 Headland Drive	28-Aug-17	1.04	<1	<2	20	<1	0.45
WEAG-785	GRAB	4820 Headland Drive	25-Sep-17	1.02	<1	2	15	<1	0.42
WEAG-785	GRAB	4820 Headland Drive	23-Oct-17	0.82	<1	4	11	<1	0.14
WEAG-785	GRAB	4820 Headland Drive	20-Nov-17	1.02	<1	8	9	<1	0.55
WEAG-785	GRAB	4820 Headland Drive	18-Dec-17	0.94	<1	NA	6	<1	0.35
WEAG-786	GRAB	1158 Millstream Road	23-Jan-17	0.96	<1	2	4	<1	0.08
WEAG-786	GRAB	1158 Millstream Road	20-Feb-17	1.13	<1	<2	4	<1	0.18
WEAG-786	GRAB	1158 Millstream Road	20-Mar-17	1.35	<1	2	5	<1	0.13
WEAG-786	GRAB	1158 Millstream Road	19-Apr-17	0.9	<1	<2	6	<1	0.11
WEAG-786	GRAB	1158 Millstream Road	15-May-17	1.17	<1	<2	7	<1	0.14
WEAG-786	GRAB	1158 Millstream Road	12-Jun-17	1.03	<1	<2	8	<1	0.17
WEAG-786	GRAB	1158 Millstream Road	10-Jul-17	0.94	<1	2	10	<1	0.17
WEAG-786	GRAB	1158 Millstream Road	9-Aug-17	0.85	<1	<2	14	<1	0.16
WEAG-786	GRAB	1158 Millstream Road	6-Sep-17	0.74	<1	2	18	<1	0.3
WEAG-786	GRAB	1158 Millstream Road	2-Oct-17	0.67	<1	<2	15	<1	0.22
WEAG-786	GRAB	1158 Millstream Road	30-Oct-17	0.64	<1	80	11	<1	0.44
WEAG-786	GRAB	1158 Millstream Road	27-Nov-17	1.2	<1	4	7	<1	0.11
WEAG-786	GRAB	1158 Millstream Road	27-Dec-17	1.18	<1	NA	5	<1	0.23
WEAG-787	GRAB	2711 Willoughby Road	23-Jan-17	1	<1	<2	4	<1	0.11
WEAG-787	GRAB	2711 Willoughby Road	20-Feb-17	1.08	<1	<2	4	<1	0.14
WEAG-787	GRAB	2711 Willoughby Road	20-Mar-17	1.18	<1	<2	5	<1	0.17
WEAG-787	GRAB	2711 Willoughby Road	19-Apr-17	0.86	<1	<2	6	<1	0.17
WEAG-787	GRAB	2711 Willoughby Road	15-May-17	1	<1	<2	7	<1	0.19
WEAG-787	GRAB	2711 Willoughby Road	12-Jun-17	0.82	<1	<2	8	<1	0.34
WEAG-787	GRAB	2711 Willoughby Road	10-Jul-17	0.93	<1	<2	12	<1	0.22
WEAG-787	GRAB	2711 Willoughby Road	9-Aug-17	0.91	<1	<2	15	<1	0.21
WEAG-787	GRAB	2711 Willoughby Road	6-Sep-17	0.73	<1	<2	19	<1	0.44
WEAG-787	GRAB	2711 Willoughby Road	2-Oct-17	0.81	<1	<2	16	<1	0.2
WEAG-787	GRAB	2711 Willoughby Road	30-Oct-17	0.76	<1	2	11	<1	0.32
WEAG-787	GRAB	2711 Willoughby Road	27-Nov-17	1.12	<1	8	7	<1	0.2
WEAG-787	GRAB	2711 Willoughby Road	27-Dec-17	1.07	<1	NA	5	<1	0.26
WEAG-788	GRAB	1551 Vinson Creek Road	23-Jan-17	1.11	<1	<2	5	<1	0.1
WEAG-788	GRAB	1551 Vinson Creek Road	20-Feb-17	1.37	<1	<2	4	<1	0.15
WEAG-788	GRAB	1551 Vinson Creek Road	20-Mar-17	1.29	<1	2	5	<1	0.19
WEAG-788	GRAB	1551 Vinson Creek Road	19-Apr-17	1.06	<1	<2	6	<1	0.12
WEAG-788	GRAB	1551 Vinson Creek Road	15-May-17	1.3	<1	<2	7	<1	0.15
WEAG-788	GRAB	1551 Vinson Creek Road	12-Jun-17	1.08	<1	<2	8	<1	0.21
WEAG-788	GRAB	1551 Vinson Creek Road	10-Jul-17	1.08	<1	<2	10	<1	0.13
WEAG-788	GRAB	1551 Vinson Creek Road	9-Aug-17	0.91	<1	<2	12	<1	0.21
WEAG-788	GRAB	1551 Vinson Creek Road	6-Sep-17	0.83	<1	<2	19	<1	0.21
WEAG-788	GRAB	1551 Vinson Creek Road	2-Oct-17	1.01	<1	<2	16	<1	0.25
WEAG-788	GRAB	1551 Vinson Creek Road	30-Oct-17	0.9	<1	<2	11	<1	0.35
WEAG-788	GRAB	1551 Vinson Creek Road	27-Nov-17	1.17	<1	4	7	<1	0.08
WEAG-788	GRAB	1551 Vinson Creek Road	27-Dec-17	1.22	<1	NA	5	<1	0.3
WMZ-781	GRAB	8005 Pasco Road	4-Jan-17	1.77	<1	<2	2	<1	0.22
WMZ-781	GRAB	8005 Pasco Road	30-Jan-17	1.45	<1	<2	5	<1	0.14

Sample Name	Type	Sample Location	Sample Date	CL Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MF/100mLs	Turbidity NTU
WMZ-781	GRAB	8005 Pasco Road	27-Feb-17	0.34	<1	<2	5	<1	1.4
WMZ-781	GRAB	8005 Pasco Road	27-Mar-17	1.22	<1	<2	6	<1	0.37
WMZ-781	GRAB	8005 Pasco Road	24-Apr-17	0.98	<1	<2	6	<1	0.25
WMZ-781	GRAB	8005 Pasco Road	24-May-17	0.51	<1	<2	6	<1	0.22
WMZ-781	GRAB	8005 Pasco Road	19-Jun-17	1.15	<1	<2	12	<1	0.12
WMZ-781	GRAB	8005 Pasco Road	17-Jul-17	0.73	<1	2	16	<1	0.72
WMZ-781	GRAB	8005 Pasco Road	14-Aug-17	0.73	<1	2	18	<1	0.72
WMZ-781	GRAB	8005 Pasco Road	11-Sep-17	0.6	<1	12	17	<1	0.69
WMZ-781	GRAB	8005 Pasco Road	11-Oct-17	1	<1	<2	11	<1	0.49
WMZ-781	GRAB	8005 Pasco Road	6-Nov-17	0.7	<1	160	9	<1	0.64
WMZ-781	GRAB	8005 Pasco Road	4-Dec-17	0.5	<1	180	6	<1	0.63
WMZ-782	GRAB	8995 Lawrence Way	16-Jan-17	1.61	<1	<2	3	<1	0.47
WMZ-782	GRAB	8995 Lawrence Way	15-Feb-17	0.3	<1	7200	4	<1	1.7
WMZ-782	GRAB	8995 Lawrence Way	13-Mar-17	0.6	<1	2	5	<1	1.5
WMZ-782	GRAB	8995 Lawrence Way	10-Apr-17	1.2	<1	<2	5	<1	0.36
WMZ-782	GRAB	8995 Lawrence Way	8-May-17	1.11	<1	<2	7	<1	0.16
WMZ-782	GRAB	8995 Lawrence Way	5-Jun-17	0.44	<1	<2	12	<1	0.79
WMZ-782	GRAB	8995 Lawrence Way	5-Jul-17	1.12	<1	2	15	<1	0.42
WMZ-782	GRAB	8995 Lawrence Way	31-Jul-17	1.69	<1	2	15	<1	0.47
WMZ-782	GRAB	8995 Lawrence Way	28-Aug-17	1.55	<1	<2	17	<1	0.43
WMZ-782	GRAB	8995 Lawrence Way	25-Sep-17	1.27	<1	<2	15	<1	0.7
WMZ-782	GRAB	8995 Lawrence Way	23-Oct-17	0.47	<1	34	11	<1	0.56
WMZ-782	GRAB	8995 Lawrence Way	20-Nov-17	0.22	<1	<2	7	<1	4.3
WMZ-782	GRAB	8995 Lawrence Way	18-Dec-17	0.98	<1	NA	7	<1	1.5