2014

DRINKING WATER QUALITY ANNUAL REPORT

FINAL REPORT | MAY 2015

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EXECUTIVE SUMMARY

This report summarizes the District of West Vancouver's water quality program for 2014. Sampling has been carried out in accordance with the protocol developed with Metro Vancouver and member municipalities; where objectives exist, monitoring results are compared to the *Guidelines for Canadian Drinking Water Quality*.

The District operates a system that treats and distributes potable water supplied from two local sources, namely Eagle Lake and Montizambert Creek, and from purchased bulk treated water from Metro Vancouver (Capilano or Seymour sources). Detailed information regarding the Metro Vancouver supply can be found through direct contact with the regional district.

Raw water from both Eagle Lake and Montizambert Creek sources analyzed for bacteriological, physical and chemical parameters. Bacteriological testing in 2014 suggests source waters to have very low presence of Escherichia coli (E. coli), giardia, and cryptosporidium.

Water throughout the distribution system was tested for bacteriological, physical and chemical parameters. Samples for total coliforms and E. coli were all negative with the exception of two sites that each tested positive for total coliform for one sample, resampling in accordance with the Canadian Drinking Water Quality Guidelines yielded a negative result. Tests showed turbidities of greater than 5 NTU in only three distribution samples for the year; in locations where samples were above the guideline, water mains were flushed until turbidity levels returned to an acceptable level. Tests showed turbidity less than 1 NTU in 97.4 % of all distribution system samples. Chlorine residual tests for all samples tested above the recommended minimum level of 0.2 ppm. Testing for the disinfection by-products, trihalomethanes and haloacetic acids, indicated levels were within Canadian guidelines for all sites.

1.0 INTRODUCTION

This report summarizes the District of West Vancouver's water quality program for 2014. 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). This *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 shall be made public by a prominent web site posting at http://www.westvancouver.ca.

The District's water quality program has been carried out in accordance with the document entitled, *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, chlorination stations, reservoirs, pressure reducing valve (PRV) stations, pumps and pipes. 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 the system 24 hours a day, , identifying and communicating erroneous operating conditions 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
- Bulk treated water purchased from Metro Vancouver.

From Horseshoe Bay to the eastern municipal boundary, residents are serviced by a water distribution system that 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 (ULH), west of the McKechnie Reservoir, east to 27th Street on the Mathers Avenue water main and above the ULH, 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 waters flow through intake screens (with an opening size of 0.54 mm), before entering the Eagle Lake treatment plant by gravity. The Eagle Lake facility is an EOCP Level 3 classified 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 is below the elevation of the intake screens, floating pumps are required to pump water from the lower lake levels to the treatment plant. This occurs occasionally, typically 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 added to optimize the membrane filtration process. The coagulated water is then pumped and filtered through 3 first stage submerged membrane filters. Once filtered, chemicals are added for disinfection and corrosion control. Fully treated water is stored in concrete reservoirs ready to be distributed.

3.2.1 Operation

According to Sec 9 (1) of the Drinking Water Protection Act (DWPA), subject to regulations, a person must not operate, maintain or repair a prescribed water supply system unless:

(a) the person is qualified in accordance with the regulations to do this, or
(b) is doing this under the supervision of a person who is qualified in accordance with the regulations

Eagle Lake Treatment Plant is classified as a Level 3 facility in accordance with the Environmental Operators Certification Program (EOCP) and for the majority of 2014 the plant was operated and maintained by a level 3 operator with support from a level 2 operator.

In 2015, the District will be recruiting a certified operator to replace a recently vacated [level 2] operator position as well as an additional operator to fill a new full time position to the treatment division.

3.2.2 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 provision of fire demand. 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 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 during 2014.

The infrastructure needed to optimize the use of the Eagle Lake supply system was completed in June, 2010. The Eagle Lake optimization has allowed the District to increase the supply of Eagle Lake water to 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 clear well level and system demand. Standby personnel monitor the Eagle Lake Water Treatment Plant operation 24/7 and VCH informed should there be any changes to operational procedures.

3.3 Montizambert Treatment Plant

The EOCP Level 3 classified Pall Membrane Treatment Plant (Montizambert) was successfully commissioned in September 2011 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.

The source water from Montizambert Creek passes through a gravel filtration intake and a settling tank before entering the Montizambert Treatment facility. Once the water enters the plant it is mixed with a coagulant and pumped and filtered through the membrane filters. After the filtration process, chlorine is added for disinfection and the water is stored in concrete reservoirs 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 provision of fire demand. The Montizambert Water Treatment 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 will be 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 Eagle Lake Treatment Plant was not bypassed during 2014.

3.4 Metro Vancouver

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

- Marine Drive and Capilano Road;
- Capilano Road and Welch Street:
- Glenmore Reservoir;
- Capilano Road and Upper Levels Highway; and
- 3105 Capilano Road.

3.5 Challenges

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

- maintaining a balance between public access for recreation (e.g., portion 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 own water quality sampling program, locations monitoring Metro water are treated as 'distribution', not 'source' sites; however, some Metro sample points have been 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 5000 and 90,000 residents. During 2014 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 for the District during

2014 was 600; in turn, exceeding the requirements of the current number of stations and samples provide the number of tests as required by the DWPR.

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, can be found 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 source for Cryptosporidium and Giardia. The treatment goal for these two parameters is a minimum of 3 log 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, the GCDWQ maximum allowable concentration 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 Coliform is 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; 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 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.

The analysis for Giardia and Cryptosporidium was conducted by IG MicroMed Environmental Inc. Analysis for Total Coliform, E. coli and HPC were conducted by Metro Vancouver Laboratories.

4.2 Physical Parameters

4.2.1 Turbidity

Turbidity describes the amount of suspended solids in water. It is 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 completed on a regular basis throughout the distribution system are used 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 through the distribution system.

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 HAA's are included in the GCDWQ with maximum acceptable concentration (MAC) of 0.1 mg/l and 0.80 mg/l respectively.

4.3.2 pH

The waters acidity or basicity is measured as pH. The GCDWQ recommends a pH in the range of 6.5-8.5 as a treatment objective. Both Eagle Lake and Montizambert sources tend toward the lower bound of 6.5. It is recognized that acidic water will accelerate the corrosion of metal pipes as well as hinder the treatment process. West Vancouver pH adjusts to above 7.3 and injects a low level of zinc orthophosphate at its Eagle Lake supply, to reduce the corrosion of its metallic pipes in the distribution system.

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 37 sampling sites, not including Eagle Lake and Montizambert Creek source locations, but including sites near the entry point of Metro Vancouver water into the municipal distribution system. The monitoring protocol dictates that 12-13 sites per week are sampled according to a breakdown as follows: 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 and testing calendar.

Table 1 Water and Sampling and Testing 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. A very low presence of E.coli was detected; 21 samples showed a most probable number (MPN) of less than 1 per 100 mL and 1 sample indicated 1 MPN, 5 samples showed presence of E. coli ranging from 3 to 120 MPN/100mls. Testing for total coliforms showed results ranging from 6 to 750 MPN/100mls in the raw, untreated source water.

Table 2A Eagle Lake Source Water Microbiological and Physical Parameters

Location ID	No. Samples	Turbidity (NTU)			Temperature (°C) (Aesthetic			HPC (CFU/ml)			Ecoli MPN/100mLs			Total Coliform MF/100mLs		
		Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
WEAG-LK1	26	0.23	4.4	0.573	4	18	9.615	80	1100	306.7	1	120	17.88	6	750	121.5

At Montizambert Creek, the 26 bi-weekly samples tested for E.coli with 18 samples yielding results of less than 1 MPN, 1 sample indicated 1 MPN and the remaining 7 samples showed presence of E. coli ranging from 2 to 94 MPN/100mls. Total Coliform testing results ranged from less than 5 – 470 MPN/100mls prior to treatment.

Table 2B Montizambert Creek Source Water Microbiological and Physical Parameters

Location ID	No. Samples	Turbidity (NTU)			Temperature (°C) (Aesthetic			HPC (CFU/ml)			Ecoli MPN/100mLs			Total Coliform MF/100mLs		
		Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
WMZ-CK1	26	0.27	5.2	1.392	4	15	8.988	44	2300	280	1	94	16.88	5	470	118.6

Giardia and Cryptosporidium testing was conducted monthly for both sources. Eagle Lake showed no positive sample results. Montizambert Creek showed 2 positive sample results for Cryptosporidium and 1 positive sample result for 1 Giardia, all other samples were negative.

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 system and list of District sample sites for the distribution system with locations can be found in Appendix A. While the naming convention includes a reference to the predominant water source, in fact for some locations depending on the hydraulic conditions, water can be provided from either Eagle Lake or Metro Vancouver.

Distribution system samples for E.coli were all negative. In the event of detection of total coliforms in a sample, the municipality's water quality personnel and the MHO would be notified via the Metro Labs; procedures would be followed as outlined in section 8.1 of this report.

In a few instances (7), sites from all three distribution sources showed HPC counts that exceeded 500 CFU/100 mL; in no instance did a HPC exceedance correspond to the presence of E.coli. Elevated HPC is not an indication for water safety concerns but an operational indicator of possible stagnation and potential degradation of water quality. Where HPC results exceeded 500 CFU/100 mL water mains were flushed and turbidity readings and chlorine residuals checked.

All samples within the Eagle Lake, Montizambert and Metro Vancouver testing results met the guideline of greater than 0.2 ppm chlorine residual. Turbidity results for the distribution system indicated 99.5% of all samples tested met the GCDWQ aesthetic objective of below 5 NTU with only three instances where a turbidity level of greater than 5 NTU was recorded, two from the Eagle Lake supply and one from the Montizambert supply. The District responded by alerting VCH and the corresponding sections of main were flushed until a satisfactory result was obtained. A complete record of the testing results can be found in Appendix C of this report; Table 3 below summarizes the results for the sampling sites.

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

Location ID		Chlorine Residual (ppm)			Turbidity (NTU)			Temperature (°C) (Aesthetic Objective)			HPC (CFU/ml)			Ecoli MPN/100 mLs	Total Coliform MF/100mLs		
GCDWQ Guideline		Not Less than 0.2			Not More Than 5			Not More Than 15^0C			No Limit			None	None		
	No. Samples	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.		Min.	Max.	Avg.
WVR-711	13	0.43	1.3	0.78	0.1	0.55	0.22	6	17	11	2	140	44	None	None		
WVR-712	13	0.22	1.1	0.63	0.08	0.46	0.22	6	17	11	2	960	176	None	<1	1	<1
WVR-718	13	0.26	0.75	0.54	0.07	0.39	0.18	7	18	12	2	1400	182	None	None		
WVR-761	13	0.22	0.45	0.31	0.21	3	0.63	6	16	11	12	5700	1926	None	None		
WVR-764	13	0.48	1.2	0.82	0.13	0.48	0.25	5	15	10	2	6	5	None	None		
WVR-790	26	0.24	1.4	0.59	0.08	1.7	0.41	6	17	11	2	490	41	None	None		
WVR-791	13	0.23	1.2	0.79	0.11	0.59	0.24	5	15	9	2	18	4	None	None		
WVR-792	26	0.23	0.89	0.48	0.08	0.53	0.22	5	17	11	2	16	4	None	None		
WVR-793	16	0.22	1	0.55	0.08	0.42	0.23	5	17	12	2	710	167	None	<1	2	1
WVR-794	13	0.31	0.89	0.60	0.08	0.63	0.21	5	17	11	2	8	4	None	None		
WVR-795	13	0.22	1.1	0.60	0.14	0.54	0.24	5	17	11	2	500	107	None	None		
WVR-796	26	0.51	1.5	0.88	0.08	0.59	0.21	6	16	11	2	60	24	None	None		
WVR-797	13	0.35	1.2	0.81	0.1	0.44	0.24	6	15	11	2	36	12	None	None		

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

Location ID		Chlorine Residual (ppm)			Turbidity (NTU)			Temperature (°C) (Aesthetic Objective)			HPC (CFU/ml)			Ecoli MPN/100 mLs	Total Coliform MF/100mLs
GCDWQ Guideline		Not Less than 0.2			Not More Than 5			Not More Than 15^0C			No Limit			None	None
	No. Samples	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.		
WEAG-710	13	0.59	1.4	1.04	0.08	11	1.28	7	22	13	2	22	7	None	None
WEAG-716	26	0.28	1.2	0.79	0.06	0.23	0.12	6	22	12	2	50	10	None	None
WEAG-719	25	0.36	1.3	0.85	0.08	0.38	0.16	6	17	12	2	22	7	None	None
WEAG-765	13	0.67	1.2	0.98	0.07	0.16	0.11	7	18	11	2	54	21	None	None
WEAG-768	13	0.57	1.1	0.81	0.08	0.5	0.21	6	17	12	2	32	15	None	None
WEAG-769	13	0.68	1.3	0.84	0.06	0.47	0.19	7	16	11	2	42	11	None	None
WEAG-770	26	0.48	1.6	0.78	0.07	0.47	0.18	6	17	11	2	10	4	None	None
WEAG-771	26	0.29	1.4	0.85	0.07	0.2	0.12	5	20	11	2	1600	121	None	None
WEAG-772	26	0.67	1.4	0.97	0.08	0.33	0.18	7	22	12	2	42	9	None	None
WEAG-773	11	0.29	1.1	0.67	0.09	1.4	0.37	6	17	12	2	48	26	None	None
WEAG-774	15	0.48	1.5	0.92	0.07	0.42	0.15	7	23	12	2	92	22	None	None
WEAG-776	13	0.2	1.1	0.57	0.07	6.1	0.91	7	20	12	2	120	30	None	None
WEAG-778	26	0.78	1.5	1.14	0.07	0.27	0.15	7	22	12	2	2	2	None	None
WEAG-779	13	0.44	1.1	0.79	0.07	0.51	0.19	7	17	11	2	10	4	None	None
WEAG-780	13	0.8	1.3	1.05	0.07	0.33	0.14	7	17	11	2	6	3	None	None
WEAG-783	13	0.71	1.4	1.02	0.06	0.78	0.17	6	23	12	2	14	6	None	None
WEAG-784	13	0.39	1.5	0.98	0.1	0.53	0.21	7	18	11	2	8	6	None	None
WEAG-785	13	0.77	1.2	0.96	0.08	2.8	0.33	6	17	11	2	22	8	None	None
WEAG-786	13	0.62	2.2	1.28	0.09	0.58	0.24	5	17	11	2	12	5	None	None
WEAG-787	13	0.6	2.2	1.12	0.6	2.2	1.12	5	17	12	2	4	3	None	None
WEAG-788	13	0.6	2.1	1.09	0.08	0.52	0.22	6	16	11	2	10	5	None	None
WEAG-880	13	0.75	2.2	1.01	0.08	0.56	0.24	6	18	11	2	6	4	None	None
WMZ-781	12	0.48	1.1	0.78	0.07	0.18	0.13	7	18	12	2	2	2	None	None
WMZ-782	14	0.21	1.3	0.60	0.16	5.2	1.32	5	16	10	2	540	91	None	None

Testing for metals within the distribution system are summarized in Appendix C, all metals within the metals scan were well within GCDWQ guidelines with the exception of one slightly elevated Lead Total of 0.6 mg/L (Health Canada Guideline is <0.01 mg/L)

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 at a total of 10 sites. The test results are presented as a running quarterly average for both THMs and HAAs; reported results for quarterly averages of THMs and HAAs did not exceed the guideline levels within the distribution system.

The level of natural organic matter are typically characterized by measuring total organic carbon (TOC) in a laboratory. Organic carbons originate in water from partially dissolved organic matter from material such as algae, leaves, bark, wood, soil; these materials can also be attributed to a significant portion of the colour found in natural water sources.

Optimization of the coagulation process and pH adjustment resulted in reduced TOC levels which lead to a reduction in disinfection byproducts.

A comparison of the yearly average results for disinfection by-products for THM and HAA monitored at 10 sites from 2013 to 2014 is presented in Table 5 below. Results highlight that 8 of the 10 sites have decreased THM levels between 7 to 28 percent; similarly, 6 out of 7 sites have decreased HAA levels between 2 to 23 percent.

Table 5 Comparison of Yearly Average for 2012 to 2013 Disinfection By-Products

Sample	Total THM Quarterly Average (2014)	Total THM Quarterly Average (2013)	+/- Change (%)	Total HAA Quarterly Average (2014)	Total HAA Quarterly Average (2013)	+/- Change (%)
GCDWQ Guideline	100 ppb	100 ppb		80 ppb	80 ppb	
WEAG-772	46	57	**-11**	47	56	**-9**
WEAG-773	59	76	**-17**	50	54	**-4**
WEAG-776	49	56	**-7**	-	-	**-**
WEAG-778	45	58	**-13**	44	54	**-11**
WMZ-781	41	68	**-28**	46	68	**-23**
WMZ-782	37	56	**-20**	34	50	**-16**
WVR-713	45	53	**-8**	-	-	**-**
WVR-716	43	54	**-11**	43	45	**-2**
WVR-717	37	28	**9**	-		**-**
WVR-764	21	21	**0**	28	24	**4**

Testing results for the Disinfection Byproducts are fully detailed in Appendix C.

6.0 PUBLIC NOTIFICATION

6.1 Drinking Water Advisory/Boil Water Advisory

2014 was relatively free of significant turbidity events, with the exception of some minor elevated levels of turbidity from the Metro Vancouver, Eagle Lake and Montizambert sources. As a result of 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

No General Drinking Water Advisories were issued in 2014.

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 classification of distribution and treatment systems and qualification standards for persons operating these systems through the Environmental Operators Certification Program (EOCP).

The District's water distribution system is classified as Level 4. However, the legislation is pending on the target deadline for minimum certification requirements for District staff operating, maintaining, or repairing the water system. Nevertheless, the District has been working in cooperation with the Health Authority and EOCP towards having operators certified to Level 4. Treatment plants are assessed separately, as mentioned in sections 3.2.1 and 3.3; both the Eagle Lake and Montizambert Treatment Plants are classified as Level 3 facilities.

7.1 Operator Qualifications

The municipality has a staff of five distribution operators, three treatment operators and one supervisor. Two treatment plant operators also hold EOCP distribution certification.

All staff persons are encouraged to take courses, which will enable them to advance to higher EOCP class levels.

In 2014, District staff maintained the following certification levels:

Water distribution:

- Level 4 – two operators
- Level 2 – three operators
- Level 1 – two operators

Water treatment:

- Level 3 – one operator
- Level 2 – one operator

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 the source waters (Eagle Lake, Montizambert Creek) or 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, if necessary, banning of water usage will be undertaken.

8.3 Turbidity Response

In general, turbidity has not been known to be 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.

During periods of elevated turbidity, 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 to be 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 ppm, 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, 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.

9.0 CONCLUSIONS

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

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 2014, the District's distribution water supply met the requirements as outlined in the GCDWQ for THMs and HAAs, quarterly averages did not exceed the guideline levels during 2014.

In closing, it is noted that 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 (doc 713378)

2. Location addresses for water sampling (doc 701084)

WATER SAMPLE LOCATIONS (2014)					
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	House	Medium	DmWVR-712	G712
Bi-weekly	The Dale & Marine (DBP Sample Only)	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
	243 Rabbit Lane	Sample Kiosk	Low/Dead End	DmWVR-761	G761
	111 Bridge Road	Sample Kiosk	Medium	DmWVR-764	G764
	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	Apartment Complex	Medium	DmWVR-797	G797
Eagle Lake	4778 Woodgreen Dr.	House	Low/Dead End	DmWVR-710	E710
Require 12/13 samples	The Dale & Marine	Sample Kiosk	High	DmWEAG-716	E716
Bi - Weekly	2600 Chelsea Court	Pump House	Medium	DmWEAG-719	E719
	5459 West Vista Court	House	Low	DmWEAG-765	E765
	2185 Gisby Street	Sample Kiosk	Medium	DmWEAG-768	E768
	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	Utility Room	Low	DmWEAG-773	E773
	6117 Gleneagles Drive	House	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
	965 Cross Creek Road	Pump House	High	DmWEAG-880	E880
2 Source per Month	Eagle Lake ***	Source	Source	DmWEAG-LK1	E-LK1
Montizambert Creek	8005 Pasco Road	Sample Kiosk	Dead End	DmWMTZ-781	MZ-781
2 Samples per Month	8995 Lawrence Way	Sample Kiosk	Dead End	DmWMTZ-782	MZ-782
2 Source per Month	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 site sampled semi-annually for detailed analysis.					
Flow % Determination	Source 10%	Low/Dead End 10%	Medium 40%	High 40%	

APPENDIX B

1. Source Water Quality – Eagle Lake (DOCs # 937505)
2. Source Water Quality – Montizambert Creek (DOCs # 937505)
3. Source Water Chemistry (DOCs # 937505)

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Temp. °C	Ecoli MPN/100mLs	HPC CFU/mls	Total Coliform MPN/100mLs	Turbidity NTU
WEAG-LK1	GRAB	Eagle Lake Source	6-Jan-14	5	<1	190	35	0.31
WEAG-LK1	GRAB	Eagle Lake Source	20-Jan-14	4	<1	480	14	0.4
WEAG-LK1	GRAB	Eagle Lake Source	3-Feb-14	6	<1	120	13	0.35
WEAG-LK1	GRAB	Eagle Lake Source	17-Feb-14	6	<1	110	10	0.5
WEAG-LK1	GRAB	Eagle Lake Source	3-Mar-14	5	<1	160	8	0.26
WEAG-LK1	GRAB	Eagle Lake Source	17-Mar-14	5	<1	220	20	0.51
WEAG-LK1	GRAB	Eagle Lake Source	31-Mar-14	5	<1	170	6	0.32
WEAG-LK1	GRAB	Eagle Lake Source	14-Apr-14	6	<1	170	12	0.23
WEAG-LK1	GRAB	Eagle Lake Source	28-Apr-14	6	<1	160	31	0.28
WEAG-LK1	GRAB	Eagle Lake Source	12-May-14	10	1	210	50	0.25
WEAG-LK1	GRAB	Eagle Lake Source	26-May-14	13	<1	250	67	0.27
WEAG-LK1	GRAB	Eagle Lake Source	9-Jun-14	10	<1	400	130	0.4
WEAG-LK1	GRAB	Eagle Lake Source	23-Jun-14	15	<1	780	420	0.27
WEAG-LK1	GRAB	Eagle Lake Source	7-Jul-14	14	<1	340	240	0.33
WEAG-LK1	GRAB	Eagle Lake Source	21-Jul-14	18	<1	200	170	0.29
WEAG-LK1	GRAB	Eagle Lake Source	6-Aug-14	18	<1	170	110	0.29
WEAG-LK1	GRAB	Eagle Lake Source	18-Aug-14	14	<1	130	110	0.3
WEAG-LK1	GRAB	Eagle Lake Source	3-Sep-14	14	<1	98	59	0.42
WEAG-LK1	GRAB	Eagle Lake Source	15-Sep-14	16	<1	80	27	0.44
WEAG-LK1	GRAB	Eagle Lake Source	29-Sep-14	13	120	1100	750	1.2
WEAG-LK1	GRAB	Eagle Lake Source	15-Oct-14	11	6	480	260	4.4
WEAG-LK1	GRAB	Eagle Lake Source	27-Oct-14	10	6	340	180	1.2
WEAG-LK1	GRAB	Eagle Lake Source	10-Nov-14	9	5	470	76	0.55
WEAG-LK1	GRAB	Eagle Lake Source	24-Nov-14	5	3	500	110	0.42
WEAG-LK1	GRAB	Eagle Lake Source	8-Dec-14	5	1	340	140	0.3
WEAG-LK1	GRAB	Eagle Lake Source	22-Dec-14	7	1	NA	110	0.42

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Ecoli MPN/100mLs	HPC CFU/mls	Temp. °C	Total Coliform MPN/100mLs	Turbidity NTU
WMZ-CK1	GRAB	Montizambert Creek Source Water	13-Jan-14	<1	240	6	16	1.4
WMZ-CK1	GRAB	Montizambert Creek Source Water	27-Jan-14	<1	190	5	26	1.4
WMZ-CK1	GRAB	Montizambert Creek Source Water	12-Feb-14	5	2300	6	210	0.93
WMZ-CK1	GRAB	Montizambert Creek Source Water	24-Feb-14	<1	160	4	7	0.27
WMZ-CK1	GRAB	Montizambert Creek Source Water	10-Mar-14	2	290	5.7	32	1.5
WMZ-CK1	GRAB	Montizambert Creek Source Water	24-Mar-14	6	100	5	21	0.63
WMZ-CK1	GRAB	Montizambert Creek Source Water	7-Apr-14	<1	130	5	27	2.4
WMZ-CK1	GRAB	Montizambert Creek Source Water	23-Apr-14	<1	82	6	19	2.4
WMZ-CK1	GRAB	Montizambert Creek Source Water	5-May-14	<1	<2	7	<1	2.5
WMZ-CK1	GRAB	Montizambert Creek Source Water	22-May-14	<1	190	9	55	2
WMZ-CK1	GRAB	Montizambert Creek Source Water	2-Jun-14	<1	170	10	90	0.83
WMZ-CK1	GRAB	Montizambert Creek Source Water	16-Jun-14	<1	350	10	75	0.64
WMZ-CK1	GRAB	Montizambert Creek Source Water	30-Jun-14	<1	110	12	140	2.9
WMZ-CK1	GRAB	Montizambert Creek Source Water	14-Jul-14	94	140	15	260	0.4
WMZ-CK1	GRAB	Montizambert Creek Source Water	28-Jul-14	2	280	12	380	1.1
WMZ-CK1	GRAB	Montizambert Creek Source Water	11-Aug-14	1	190	14	230	0.31
WMZ-CK1	GRAB	Montizambert Creek Source Water	25-Aug-14	20	130	14	300	0.49
WMZ-CK1	GRAB	Montizambert Creek Source Water	8-Sep-14	5	420	13	260	0.44
WMZ-CK1	GRAB	Montizambert Creek Source Water	22-Sep-14	<1	310	12	470	0.42
WMZ-CK1	GRAB	Montizambert Creek Source Water	6-Oct-14	<1	180	13	130	1
WMZ-CK1	GRAB	Montizambert Creek Source Water	20-Oct-14	<1	200	15	100	3.1
WMZ-CK1	GRAB	Montizambert Creek Source Water	3-Nov-14	<1	330	14	52	5.2
WMZ-CK1	GRAB	Montizambert Creek Source Water	17-Nov-14	<1	44	5	5	0.79
WMZ-CK1	GRAB	Montizambert Creek Source Water	1-Dec-14	<1	98	4	23	1.3
WMZ-CK1	GRAB	Montizambert Creek Source Water	15-Dec-14	<1	86	5	18	0.85
WMZ-CK1	GRAB	Montizambert Creek Source Water	29-Dec-14	<1	NA	7	20	1

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Cryptosporidium	Giardia
WEAG-LK1	GRAB	Eagle Lake Source	30/01/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	27/02/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	28/03/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	April	N/A	N/A
WEAG-LK1	GRAB	Eagle Lake Source	29/05/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	26/06/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	24/07/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	11/08/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	02/09/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	07/10/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	13/11/14	<1	<1
WEAG-LK1	GRAB	Eagle Lake Source	08/12/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	30/01/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	27/02/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	28/03/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	April	N/A	N/A
WMZ-CK1	GRAB	Montizambert Creek	29/05/14	1	1
WMZ-CK1	GRAB	Montizambert Creek	26/06/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	24/07/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	11/08/14	1	<1
WMZ-CK1	GRAB	Montizambert Creek	02/09/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	07/10/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	13/11/14	<1	<1
WMZ-CK1	GRAB	Montizambert Creek	08/12/14	<1	<1

Sample Location	Sample Type	Sampled Date	Alkalinity as CACO3 mg/L	Aluminium Dissolved mg/L	Aluminum Total mg/L	Antimony Total mg/L	Arsenic Total mg/L	Barium Total mg/L	Boron Total mg/L	Cadmium Total mg/L	Calcium Total mg/L	Carbon Organic - Dissolved mg/L	Carbon Organic - Total mg/L	Chloride mg/L	Chromium Total mg/L	Color - Apparent ACU	Color - True TCU	Conductivity µmhos/cm	Copper Total mg/L	Cyanide Total mg/L	Fluoride mg/L	Hardness as CACO3 mg/L	Iron Dissolved mg/L	Iron Total mg/L	Lead Total mg/L	Magnesium Total mg/L	Manganese Dissolved mg/L	Manganese Total mg/L	Mercury Total mg/L	Nickel Total mg/L	Nitrogen - Ammonia as N mg/L	Nitrogen - Nitrate as N mg/L	Nitrogen - Nitrite as N mg/L	pH pH units	Phenol mg/L	Phosphorus Dissolved Reactive mg/L	Phosphorus Total mg/L	Potassium Total mg/L	Residue Total Dissolved mg/L	Residue Total Fixed mg/L	Residue Total mg/L	Residue Total Volatile mg/L	Selenium Total mg/L	Silica as SiO2 mg/L	Silver Total mg/L	Sodium Total mg/L	Sulphate mg/L	UV Absorbance 254 nm Abs/cm	Zinc Total mg/L
GCDWQ Guideline					**0.2**	**0.006**	**0.01**	**1.0**	**5**	**0.005**	**n/a**			**≤250**	**0.05**		**≤15**		**≤1.0**	**0.2**	**1.5**			**≤0.3**	**0.01**	**n/a**	**n/a**	**≤0.05**	**0.001**	**n/a**				**6.5 - 8.5**										**0.05**		**n/a**	**≤200**	**≤500**		**≤5.0**
Eagle Lake Source	GRAB	2/06/2014	2.7	0.101	0.112	<0.0005	<0.0005	0.0028	<0.00010	<0.0002	1.090	2.3	2.4	0.8	<0.00005	18	15	12	0.001	<0.02	<0.05	3.45	0.029	0.040	<0.0005	0.178	0.0066	0.007	<0.00005	<0.0005	<0.02	<0.01	<0.01	6.5	<0.005	<0.005	<0.005	0.104	15	10	9	7	<0.0005	3.4	<0.0005	0.827	1.1	0.098	<0.003
Eagle Lake Source	GRAB	8/12/2014	2.2	0.139	0.154	<0.0005	<0.0005	0.0035	<0.00010	<0.0002	1.130	3.4	3.4	0.9	<0.00005	28	20	13	0.001	<0.02	<0.05	3.59	0.025	0.050	<0.0005	0.185	0.0052	0.0059	<0.00005	<0.0005	<0.02	0.03	<0.01	6.3	<0.005	<0.005	<0.005	0.108	20	16	10	10	<0.0005	3.9	<0.0005	0.910	1.2	0.135	<0.003
Montizambert Creek Source Water	GRAB	2/06/2014	2.8	0.123	0.130	<0.0005	<0.0005	0.0013	<0.00010	<0.0002	1.290	2.5	2.5	<0.5	0.00009	20	16	12	0.0008	<0.02	<0.05	3.87	0.017	0.020	<0.0005	0.161	<0.0005	<0.0005	<0.00005	<0.0005	<0.02	0.02	<0.01	6.7	<0.005	<0.005	<0.005	0.094	16	12	9	7	<0.0005	4.0	<0.0005	0.713	1.4	0.111	<0.003
Montizambert Creek Source Water	GRAB	8/12/2014	2.6	0.159	0.168	<0.0005	<0.0005	0.0016	<0.00010	<0.0002	1.320	3.3	3.4	0.6	0.00010	27	19	13	0.0008	<0.02	<0.05	3.99	0.026	0.031	<0.0005	0.168	<0.0005	0.0006	<0.00005	<0.0005	<0.02	0.02	<0.01	6.6	<0.005	<0.005	<0.005	0.093	20	19	11	10	<0.0005	4.8	<0.0005	0.759	1.4	0.140	<0.003

APPENDIX C

1. By-station Municipal Drinking Water Summary Report – 2014 (DOCs # 937505)

    - DOCs # 937505– WEAG data;
    - DOCs # 937505 - WVR data;
    - DOCs # 937505 - WMZ data;

2. Semi Annual Metals Monitoring Results – 2014 (DOCs # 937505)

3. Disinfection byproducts Quarterly Averages – 2014 (DOCs # 937505)

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-710	GRAB	4782 Woodgreen Drive	27-Jan-14	1	<1		<2	7	<1		0.1
WEAG-710	GRAB	4782 Woodgreen Drive	24-Feb-14	1.3		<1	22	7		<1	11
WEAG-710	*REPEAT*	*4782 Woodgreen Drive*	*24-Feb-14*								*1.20*
WEAG-710	GRAB	4782 Woodgreen Drive	24-Mar-14	0.87	<1		<2	7	<1		0.1
WEAG-710	GRAB	4782 Woodgreen Drive	23-Apr-14	1.1	<1		<2	8	<1		0.12
WEAG-710	GRAB	4782 Woodgreen Drive	22-May-14	1.4	<1		2	10	<1		0.11
WEAG-710	GRAB	4782 Woodgreen Drive	16-Jun-14	0.9	<1		2	16	<1		0.99
WEAG-710	GRAB	4782 Woodgreen Drive	14-Jul-14	1	<1		4	22	<1		0.22
WEAG-710	GRAB	4782 Woodgreen Drive	11-Aug-14	0.62	<1		2	21	<1		0.16
WEAG-710	GRAB	4782 Woodgreen Drive	8-Sep-14	1.4	<1		NA	19	<1		0.49
WEAG-710	GRAB	4782 Woodgreen Drive	6-Oct-14	1.2	<1		<2	16	<1		0.28
WEAG-710	GRAB	4782 Woodgreen Drive	3-Nov-14	0.59	<1		2	14	<1		0.08
WEAG-710	GRAB	4782 Woodgreen Drive	1-Dec-14	1.1	<1		16	8	<1		2.8
WEAG-710	GRAB	4782 Woodgreen Drive	29-Dec-14	1	<1		NA	8	<1		0.17
WEAG-716	GRAB	The Dale & Marine	13-Jan-14	0.78	<1		12	8	<1		0.11
WEAG-716	GRAB	The Dale & Marine	27-Jan-14	0.78	<1		<2	7	<1		0.14
WEAG-716	GRAB	The Dale & Marine	12-Feb-14	1.1	<1		<2	7	<1		0.14
WEAG-716	GRAB	The Dale & Marine	24-Feb-14	0.67	<1		<2	6	<1		0.12
WEAG-716	GRAB	The Dale & Marine	10-Mar-14	0.81	<1		2	8	<1		0.12
WEAG-716	GRAB	The Dale & Marine	24-Mar-14	0.59	<1		2	7	<1		0.18
WEAG-716	GRAB	The Dale & Marine	7-Apr-14	0.65	<1		<2	7	<1		0.14
WEAG-716	GRAB	The Dale & Marine	23-Apr-14	0.65	<1		<2	8	<1		0.18
WEAG-716	GRAB	The Dale & Marine	5-May-14	0.95	<1		<2	8	<1		0.23
WEAG-716	GRAB	The Dale & Marine	22-May-14	1	<1		<2	9	<1		0.09
WEAG-716	GRAB	The Dale & Marine	2-Jun-14	0.63	<1		4	13	<1		0.1
WEAG-716	GRAB	The Dale & Marine	16-Jun-14	0.6	<1		2	16	<1		0.1
WEAG-716	GRAB	The Dale & Marine	30-Jun-14	1.1	<1		16	13	<1		0.13
WEAG-716	GRAB	The Dale & Marine	14-Jul-14	0.91	<1		10	17	<1		0.1
WEAG-716	GRAB	The Dale & Marine	28-Jul-14	1.2	<1		2	17	<1		0.11
WEAG-716	GRAB	The Dale & Marine	11-Aug-14	0.94	<1		8	22	<1		0.11
WEAG-716	GRAB	The Dale & Marine	25-Aug-14	1.1	<1		6	16	<1		0.22
WEAG-716	GRAB	The Dale & Marine	8-Sep-14	1.1	<1		2	18	<1		0.08
WEAG-716	GRAB	The Dale & Marine	22-Sep-14	0.76	<1		14	16	<1		0.09
WEAG-716	GRAB	The Dale & Marine	6-Oct-14	0.59	<1		<2	16	<1		0.08
WEAG-716	GRAB	The Dale & Marine	20-Oct-14	0.63	<1		50	15	<1		0.11
WEAG-716	GRAB	The Dale & Marine	3-Nov-14	0.28	<1		18	14	<1		0.09
WEAG-716	GRAB	The Dale & Marine	17-Nov-14	0.5	<1		2	10	<1		0.07
WEAG-716	GRAB	The Dale & Marine	1-Dec-14	0.77	<1		<2	8	<1		0.06
WEAG-716	GRAB	The Dale & Marine	15-Dec-14	0.76	<1		<2	8	<1		0.18
WEAG-716	GRAB	The Dale & Marine	29-Dec-14	0.61	<1		NA	9	<1		0.11
WEAG-719	GRAB	2600 Chelsea Court	6-Jan-14	0.71	<1		<2	7	<1		0.23
WEAG-719	GRAB	2600 Chelsea Court	20-Jan-14	0.87	<1		2	7	<1		0.11
WEAG-719	GRAB	2600 Chelsea Court	3-Feb-14	0.74	<1		2	6	<1		0.08
WEAG-719	GRAB	2600 Chelsea Court	17-Feb-14	1.1	<1		<2	7	<1		0.11
WEAG-719	GRAB	2600 Chelsea Court	3-Mar-14	0.78	<1		<2	8	<1		0.14
WEAG-719	GRAB	2600 Chelsea Court	17-Mar-14	0.91	<1		<2	7	<1		0.08
WEAG-719	GRAB	2600 Chelsea Court	31-Mar-14	0.75	<1		<2	7	<1		0.08
WEAG-719	GRAB	2600 Chelsea Court	14-Apr-14	0.92	<1		<2	10	<1		0.15
WEAG-719	GRAB	2600 Chelsea Court	28-Apr-14	0.79	<1		<2	8	<1		0.21
WEAG-719	GRAB	2600 Chelsea Court	12-May-14	0.86	<1		6	11	<1		0.11
WEAG-719	GRAB	2600 Chelsea Court	26-May-14	0.62	<1		<2	13	<1		0.09
WEAG-719	GRAB	2600 Chelsea Court	9-Jun-14	1	<1		<2	12	<1		0.08
WEAG-719	GRAB	2600 Chelsea Court	23-Jun-14	0.84	<1		<2	14	<1		0.11
WEAG-719	GRAB	2600 Chelsea Court	7-Jul-14	1.3	<1		<2	13	<1		0.28
WEAG-719	GRAB	2600 Chelsea Court	21-Jul-14	0.78	<1		<2	17	<1		0.12
WEAG-719	GRAB	2600 Chelsea Court	6-Aug-14	1.2	<1		2	16	<1		0.38
WEAG-719	GRAB	2600 Chelsea Court	18-Aug-14	1	<1		10	16	<1		0.36
WEAG-719	GRAB	2600 Chelsea Court	3-Sep-14	1.1	<1		14	16	<1		0.1
WEAG-719	GRAB	2600 Chelsea Court	15-Sep-14	1.1	<1		<2	16	<1		0.2
WEAG-719	GRAB	2600 Chelsea Court	29-Sep-14	0.75	<1		<2	17	<1		<0.06
WEAG-719	GRAB	2600 Chelsea Court	15-Oct-14	0.81	<1		6	16	<1		0.21
WEAG-719	GRAB	2600 Chelsea Court	27-Oct-14	0.74	<1		<2	16	<1		0.13
WEAG-719	GRAB	2600 Chelsea Court	10-Nov-14	0.36	<1		<2	12	<1		0.13
WEAG-719	GRAB	2600 Chelsea Court	24-Nov-14	0.82	<1		<2	11	<1		0.13

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-719	GRAB	2600 Chelsea Court	8-Dec-14	0.76	<1		<2	8	<1		0.09
WEAG-719	GRAB	2600 Chelsea Court	22-Dec-14	0.49	<1		NA	9	<1		0.22
WEAG-765	GRAB	5459 West Vista Court	13-Jan-14	0.67	<1		<2	8	<1		0.08
WEAG-765	GRAB	5459 West Vista Court	12-Feb-14	1.2	<1		<2	7	<1		0.1
WEAG-765	GRAB	5459 West Vista Court	10-Mar-14	0.85	<1		<2	7	<1		0.1
WEAG-765	GRAB	5459 West Vista Court	7-Apr-14	0.78	<1		<2	7	<1		0.12
WEAG-765	GRAB	5459 West Vista Court	5-May-14	1.1	<1		<2	8	<1		0.16
WEAG-765	GRAB	5459 West Vista Court	2-Jun-14	0.83	<1		6	13	<1		0.15
WEAG-765	GRAB	5459 West Vista Court	30-Jun-14	1.2	<1		<2	16	<1		0.08
WEAG-765	GRAB	5459 West Vista Court	28-Jul-14	1.2	<1		6	17	<1		0.08
WEAG-765	GRAB	5459 West Vista Court	25-Aug-14	1.2	<1		36	18	<1		0.09
WEAG-765	GRAB	5459 West Vista Court	22-Sep-14	0.94	<1		22	14	<1		0.07
WEAG-765	GRAB	5459 West Vista Court	20-Oct-14	0.88	<1		<2	14	<1		0.14
WEAG-765	GRAB	5459 West Vista Court	17-Nov-14	0.9	<1		20	10	<1		0.07
WEAG-765	GRAB	5459 West Vista Court	15-Dec-14	0.99	<1		54	9	<1		0.13
WEAG-768	GRAB	2185 Gisby Street	20-Jan-14	0.9	<1		2	6	<1		0.1
WEAG-768	GRAB	2185 Gisby Street	17-Feb-14	0.93	<1		6	8	<1		0.09
WEAG-768	GRAB	2185 Gisby Street	17-Mar-14	0.82	<1		<2	7	<1		0.08
WEAG-768	GRAB	2185 Gisby Street	14-Apr-14	0.74	<1		<2	10	<1		0.1
WEAG-768	GRAB	2185 Gisby Street	12-May-14	0.77	<1		<2	12	<1		0.11
WEAG-768	GRAB	2185 Gisby Street	9-Jun-14	1.1	<1		<2	13	<1		0.5
WEAG-768	GRAB	2185 Gisby Street	7-Jul-14	0.66	<1		<2	14	<1		0.32
WEAG-768	GRAB	2185 Gisby Street	6-Aug-14	0.92	<1		<2	17	<1		0.37
WEAG-768	GRAB	2185 Gisby Street	3-Sep-14	0.58	<1		28	17	<1		0.46
WEAG-768	GRAB	2185 Gisby Street	29-Sep-14	0.57	<1		20	16	<1		0.13
WEAG-768	GRAB	2185 Gisby Street	27-Oct-14	0.75	<1		32	15	<1		0.28
WEAG-768	GRAB	2185 Gisby Street	24-Nov-14	0.95	<1		2	10	<1		0.08
WEAG-768	GRAB	2185 Gisby Street	22-Dec-14	0.86	<1		NA	8	<1		0.08
WEAG-769	GRAB	1210 Chartwell Drive	27-Jan-14	0.73	<1		2	8	<1		0.13
WEAG-769	GRAB	1210 Chartwell Drive	24-Feb-14	0.9	<1		2	7	<1		0.13
WEAG-769	GRAB	1210 Chartwell Drive	24-Mar-14	0.68	<1		8	7	<1		0.08
WEAG-769	GRAB	1210 Chartwell Drive	23-Apr-14	0.82	<1		2	8	<1		0.25
WEAG-769	GRAB	1210 Chartwell Drive	22-May-14	0.95	<1		<2	10	<1		0.12
WEAG-769	GRAB	1210 Chartwell Drive	16-Jun-14	0.69	<1		<2	15	<1		0.23
WEAG-769	GRAB	1210 Chartwell Drive	14-Jul-14	0.91	<1		22	15	<1		0.32
WEAG-769	GRAB	1210 Chartwell Drive	11-Aug-14	0.68	<1		42	16	<1		0.34
WEAG-769	GRAB	1210 Chartwell Drive	8-Sep-14	0.78	<1		12	16	<1		0.47
WEAG-769	GRAB	1210 Chartwell Drive	6-Oct-14	0.79	<1		8	16	<1		0.06
WEAG-769	GRAB	1210 Chartwell Drive	3-Nov-14	0.8	<1		12	13	<1		0.07
WEAG-769	GRAB	1210 Chartwell Drive	1-Dec-14	1.3	<1		<2	8	<1		0.08
WEAG-769	GRAB	1210 Chartwell Drive	29-Dec-14	0.88	<1		NA	9	<1		0.17
WEAG-770	GRAB	3828 Bayridge Avenue	13-Jan-14	0.65	<1		10	7	<1		0.08
WEAG-770	GRAB	3828 Bayridge Avenue	27-Jan-14	0.58	<1		2	6	<1		0.12
WEAG-770	GRAB	3828 Bayridge Avenue	12-Feb-14	0.94	<1		<2	7	<1		0.08
WEAG-770	GRAB	3828 Bayridge Avenue	24-Feb-14	0.67	<1		<2	7	<1		0.12
WEAG-770	GRAB	3828 Bayridge Avenue	10-Mar-14	0.6	<1		<2	7	<1		0.1
WEAG-770	GRAB	3828 Bayridge Avenue	24-Mar-14	0.78	<1		<2	6	<1		0.09
WEAG-770	GRAB	3828 Bayridge Avenue	7-Apr-14	0.71	<1		2	7	<1		0.14
WEAG-770	GRAB	3828 Bayridge Avenue	23-Apr-14	0.77	<1		<2	8	<1		0.14
WEAG-770	GRAB	3828 Bayridge Avenue	5-May-14	0.76	<1		<2	9	<1		0.21
WEAG-770	GRAB	3828 Bayridge Avenue	22-May-14	0.82	<1		2	10	<1		0.13
WEAG-770	GRAB	3828 Bayridge Avenue	2-Jun-14	0.78	<1		<2	13	<1		0.2
WEAG-770	GRAB	3828 Bayridge Avenue	16-Jun-14	1	<1		6	15	<1		0.14
WEAG-770	GRAB	3828 Bayridge Avenue	30-Jun-14	0.75	<1		2	14	<1		0.41
WEAG-770	GRAB	3828 Bayridge Avenue	14-Jul-14	1.6	<1		<2	12	<1		0.33
WEAG-770	GRAB	3828 Bayridge Avenue	28-Jul-14	1.2	<1		<2	17	<1		0.34
WEAG-770	GRAB	3828 Bayridge Avenue	11-Aug-14	0.6	<1		4	13	<1		0.39
WEAG-770	GRAB	3828 Bayridge Avenue	25-Aug-14	0.85	<1		<2	17	<1		0.27
WEAG-770	GRAB	3828 Bayridge Avenue	8-Sep-14	0.83	<1		<2	16	<1		0.21
WEAG-770	GRAB	3828 Bayridge Avenue	22-Sep-14	0.68	<1		10	14	<1		0.47
WEAG-770	GRAB	3828 Bayridge Avenue	6-Oct-14	0.78	<1		<2	16	<1		0.13
WEAG-770	GRAB	3828 Bayridge Avenue	20-Oct-14	0.62	<1		<2	14	<1		0.16
WEAG-770	GRAB	3828 Bayridge Avenue	3-Nov-14	0.69	<1		<2	13	<1		0.08
WEAG-770	GRAB	3828 Bayridge Avenue	17-Nov-14	0.48	<1		<2	9	<1		0.08

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-770	GRAB	3828 Bayridge Avenue	1-Dec-14	0.64	<1		<2	7	<1		0.07
WEAG-770	GRAB	3828 Bayridge Avenue	15-Dec-14	0.71	<1		2	8	<1		0.12
WEAG-770	GRAB	3828 Bayridge Avenue	29-Dec-14	0.75	<1		NA	8	<1		0.09
WEAG-771	GRAB	6588 Royal Ave.	13-Jan-14	0.71	<1		<2	7	<1		0.19
WEAG-771	GRAB	6588 Royal Ave.	27-Jan-14	0.79	<1		2	8	<1		0.2
WEAG-771	GRAB	6588 Royal Ave.	12-Feb-14	1.4	<1		<2	7	<1		0.15
WEAG-771	GRAB	6588 Royal Ave.	24-Feb-14	1	<1		20	5	<1		0.13
WEAG-771	GRAB	6588 Royal Ave.	10-Mar-14	1.1	<1		4	8	<1		0.12
WEAG-771	GRAB	6588 Royal Ave.	24-Mar-14	0.86	<1		2	8	<1		0.11
WEAG-771	GRAB	6588 Royal Ave.	7-Apr-14	0.97	<1		<2	7	<1		0.15
WEAG-771	GRAB	6588 Royal Ave.	23-Apr-14	0.85	<1		<2	7	<1		0.19
WEAG-771	GRAB	6588 Royal Ave.	5-May-14	1.4	<1		<2	8	<1		0.15
WEAG-771	GRAB	6588 Royal Ave.	22-May-14	1.3	<1		<2	10	<1		0.12
WEAG-771	GRAB	6588 Royal Ave.	2-Jun-14	0.53	<1		10	12	<1		0.08
WEAG-771	GRAB	6588 Royal Ave.	16-Jun-14	1	<1		10	15	<1		0.12
WEAG-771	GRAB	6588 Royal Ave.	30-Jun-14	0.47	<1		2	16	<1		0.07
WEAG-771	GRAB	6588 Royal Ave.	14-Jul-14	1	<1		2	20	<1		0.1
WEAG-771	GRAB	6588 Royal Ave.	28-Jul-14	1.2	<1		<2	15	<1		0.09
WEAG-771	GRAB	6588 Royal Ave.	11-Aug-14	0.51	<1		1600	20	<1		0.09
WEAG-771	GRAB	6588 Royal Ave.	25-Aug-14	1.2	<1		2	16	<1		0.08
WEAG-771	GRAB	6588 Royal Ave.	8-Sep-14	1.2	<1		26	15	<1		0.09
WEAG-771	GRAB	6588 Royal Ave.	22-Sep-14	0.7	<1		2	14	<1		0.08
WEAG-771	GRAB	6588 Royal Ave.	6-Oct-14	0.67	<1		<2	16	<1		0.11
WEAG-771	GRAB	6588 Royal Ave.	20-Oct-14	0.64	<1		<2	14	<1		0.14
WEAG-771	GRAB	6588 Royal Ave.	3-Nov-14	0.54	<1		<2	13	<1		0.11
WEAG-771	GRAB	6588 Royal Ave.	17-Nov-14	0.29	<1		12	11	<1		0.08
WEAG-771	GRAB	6588 Royal Ave.	1-Dec-14	0.7	<1		4	8	<1		0.08
WEAG-771	GRAB	6588 Royal Ave.	15-Dec-14	0.37	<1		NA	8	<1		0.14
WEAG-771	GRAB	6588 Royal Ave.	29-Dec-14	0.72	<1		NA	8	<1		0.15
WEAG-772	GRAB	6470 Madrona Crescent	13-Jan-14	0.89	<1		<2	7	<1		0.33
WEAG-772	GRAB	6470 Madrona Crescent	27-Jan-14	0.92	<1		<2	7	<1		0.22
WEAG-772	GRAB	6470 Madrona Crescent	12-Feb-14	1.4	<1		<2	8	<1		0.22
WEAG-772	GRAB	6470 Madrona Crescent	24-Feb-14	1	<1		<2	7	<1		0.23
WEAG-772	GRAB	6470 Madrona Crescent	10-Mar-14	1.2	<1		<2	8	<1		0.31
WEAG-772	GRAB	6470 Madrona Crescent	24-Mar-14	0.82	<1		<2	8	<1		0.2
WEAG-772	GRAB	6470 Madrona Crescent	7-Apr-14	0.99	<1		<2	7	<1		0.23
WEAG-772	GRAB	6470 Madrona Crescent	23-Apr-14	0.95	<1		2	8	<1		0.2
WEAG-772	GRAB	6470 Madrona Crescent	5-May-14	1.2	<1		<2	7	<1		0.3
WEAG-772	GRAB	6470 Madrona Crescent	22-May-14	1.1	<1		<2	10	<1		0.22
WEAG-772	GRAB	6470 Madrona Crescent	2-Jun-14	0.67	<1		<2	13	<1		0.15
WEAG-772	GRAB	6470 Madrona Crescent	16-Jun-14	0.84	<1		<2	15	<1		0.13
WEAG-772	GRAB	6470 Madrona Crescent	30-Jun-14	1	<1		2	13	<1		0.08
WEAG-772	GRAB	6470 Madrona Crescent	14-Jul-14	1.1	<1		<2	21	<1		0.21
WEAG-772	GRAB	6470 Madrona Crescent	28-Jul-14	1.1	<1		<2	15	<1		0.14
WEAG-772	GRAB	6470 Madrona Crescent	11-Aug-14	1.3	<1		<2	22	<1		0.23
WEAG-772	GRAB	6470 Madrona Crescent	25-Aug-14	1.1	<1		4	17	<1		0.18
WEAG-772	GRAB	6470 Madrona Crescent	8-Sep-14	1.3	<1		2	17	<1		0.13
WEAG-772	GRAB	6470 Madrona Crescent	22-Sep-14	0.83	<1		2	15	<1		0.16
WEAG-772	GRAB	6470 Madrona Crescent	6-Oct-14	0.83	<1		42	15	2		0.17
WEAG-772	*REPEAT*	*6470 Madrona Crescent*	*8-Oct-14*	***0.61***	*<1*			*NA*	*<1*		*0.16*
WEAG-772	GRAB	6470 Madrona Crescent	20-Oct-14	0.81	<1		<2	14	<1		0.15
WEAG-772	GRAB	6470 Madrona Crescent	3-Nov-14	0.71	<1		<2	12	<1		0.08
WEAG-772	GRAB	6470 Madrona Crescent	17-Nov-14	0.75	<1		<2	11	<1		0.08
WEAG-772	GRAB	6470 Madrona Crescent	1-Dec-14	0.86	<1		<2	8	<1		0.08
WEAG-772	GRAB	6470 Madrona Crescent	15-Dec-14	0.8	<1		6	8	<1		0.21
WEAG-772	GRAB	6470 Madrona Crescent	29-Dec-14	0.85	<1		NA	8	<1		0.16
WEAG-773	GRAB	Whytcliffe Park	10-Mar-14	0.52	<1		38	9	<1		0.22
WEAG-773	GRAB	Whytcliffe Park	7-Apr-14	0.44	<1		24	6	<1		0.22
WEAG-773	GRAB	Whytcliffe Park	5-May-14	0.92	<1		36	8	<1		0.39
WEAG-773	GRAB	Whytcliffe Park	2-Jun-14	0.75	<1		2	13	<1		1.4
WEAG-773	GRAB	Whytcliffe Park	30-Jun-14	0.93	<1		<2	16	<1		0.75
WEAG-773	GRAB	Whytcliffe Park	28-Jul-14	1.1	<1		42	17	<1		0.11
WEAG-773	GRAB	Whytcliffe Park	25-Aug-14	1	<1		16	16	<1		0.38
WEAG-773	GRAB	Whytcliffe Park	22-Sep-14	0.54	<1		16	14	<1		0.14

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-773	GRAB	Whytcliffe Park	20-Oct-14	0.36	<1		2	15	<1		0.21
WEAG-773	GRAB	Whytcliffe Park	17-Nov-14	0.29	<1		48	9	<1		0.09
WEAG-773	GRAB	Whytcliffe Park	15-Dec-14	0.52	<1		32	7	<1		0.12
WEAG-774	GRAB	6117 Gleneagles Drive	13-Jan-14	0.84	<1		<2	7	<1		0.18
WEAG-774	GRAB	6117 Gleneagles Drive	27-Jan-14	0.74	<1		<2	7	<1		0.29
WEAG-774	GRAB	6117 Gleneagles Drive	12-Feb-14	0.48	<1		<2	7	<1		0.11
WEAG-774	GRAB	6117 Gleneagles Drive	24-Feb-14	0.68	<1		<2	7	<1		0.09
WEAG-774	GRAB	6117 Gleneagles Drive	24-Mar-14	0.96	<1		<2	8	<1		0.13
WEAG-774	GRAB	6117 Gleneagles Drive	23-Apr-14	0.92	<1		4	7	<1		0.11
WEAG-774	GRAB	6117 Gleneagles Drive	22-May-14	1.4	<1		<2	10	<1		0.13
WEAG-774	GRAB	6117 Gleneagles Drive	16-Jun-14	1.1	<1		<2	15	<1		0.09
WEAG-774	GRAB	6117 Gleneagles Drive	14-Jul-14	1	<1		<2	22	<1		0.12
WEAG-774	GRAB	6117 Gleneagles Drive	11-Aug-14	1.2	<1		8	23	<1		0.09
WEAG-774	GRAB	6117 Gleneagles Drive	8-Sep-14	1.5	<1		<2	18	<1		0.13
WEAG-774	GRAB	6117 Gleneagles Drive	6-Oct-14	0.92	<1		2	16	<1		0.11
WEAG-774	GRAB	6117 Gleneagles Drive	3-Nov-14	0.63	<1		4	13	<1		0.11
WEAG-774	GRAB	6117 Gleneagles Drive	1-Dec-14	0.67	<1		92	7	<1		0.07
WEAG-774	GRAB	6117 Gleneagles Drive	29-Dec-14	0.82	<1		NA	9	<1		0.42
WEAG-776	GRAB	3755 Cypress Bowl Road	27-Jan-14	0.67	<1		<2	7	<1		0.09
WEAG-776	GRAB	3755 Cypress Bowl Road	24-Feb-14	0.78		<1	<2	7		<1	6.1
WEAG-776	*REPEAT*	*3755 Cypress Bowl Road*	*25-Feb-14*	*0.64*							*1.17*
WEAG-776	GRAB	3755 Cypress Bowl Road	24-Mar-14	0.42	<1		32	7	<1		3.1
WEAG-776	GRAB	3755 Cypress Bowl Road	23-Apr-14	0.2	<1		30	8	<1		0.44
WEAG-776	GRAB	3755 Cypress Bowl Road	22-May-14	0.69	<1		<2	10	<1		0.11
WEAG-776	GRAB	3755 Cypress Bowl Road	16-Jun-14	0.47	<1		<2	16	<1		0.2
WEAG-776	GRAB	3755 Cypress Bowl Road	14-Jul-14	0.25	<1		>11000	18	<1		0.28
WEAG-776	GRAB	3755 Cypress Bowl Road	11-Aug-14	0.52	<1		120	20	<1		0.84
WEAG-776	GRAB	3755 Cypress Bowl Road	8-Sep-14	1.1	<1		2	16	<1		0.11
WEAG-776	GRAB	3755 Cypress Bowl Road	6-Oct-14	0.24	<1		2	16	<1		0.17
WEAG-776	GRAB	3755 Cypress Bowl Road	3-Nov-14	0.41	<1		8	14	<1		0.07
WEAG-776	GRAB	3755 Cypress Bowl Road	1-Dec-14	1.1	<1		18	8	<1		0.16
WEAG-776	GRAB	3755 Cypress Bowl Road	29-Dec-14	0.62	<1		NA	9	<1		0.19
WEAG-778	GRAB	6190 Marine Drive	13-Jan-14	1.1	<1		<2	7	<1		0.17
WEAG-778	GRAB	6190 Marine Drive	27-Jan-14	0.97	<1		<2	7	<1		0.18
WEAG-778	GRAB	6190 Marine Drive	12-Feb-14	1.5	<1		<2	7	<1		0.23
WEAG-778	GRAB	6190 Marine Drive	24-Feb-14	1.2	<1		<2	7	<1		0.27
WEAG-778	GRAB	6190 Marine Drive	10-Mar-14	1.1	<1		<2	7	<1		0.11
WEAG-778	GRAB	6190 Marine Drive	24-Mar-14	0.98	<1		<2	7	<1		0.18
WEAG-778	GRAB	6190 Marine Drive	7-Apr-14	1.1	<1		<2	7	<1		0.2
WEAG-778	GRAB	6190 Marine Drive	23-Apr-14	0.88	<1		<2	7	<1		0.16
WEAG-778	GRAB	6190 Marine Drive	5-May-14	1.2	<1		2	8	<1		0.15
WEAG-778	GRAB	6190 Marine Drive	22-May-14	1.4	<1		<2	10	<1		0.16
WEAG-778	GRAB	6190 Marine Drive	2-Jun-14	0.87	<1		<2	14	<1		0.14
WEAG-778	GRAB	6190 Marine Drive	16-Jun-14	1.1	<1		<2	15	<1		0.09
WEAG-778	GRAB	6190 Marine Drive	30-Jun-14	1.4	<1		<2	16	<1		0.13
WEAG-778	GRAB	6190 Marine Drive	14-Jul-14	1.2	<1		2	22	<1		0.1
WEAG-778	GRAB	6190 Marine Drive	28-Jul-14	1.5	<1		2	17	<1		0.12
WEAG-778	GRAB	6190 Marine Drive	11-Aug-14	1.3	<1		<2	22	<1		0.26
WEAG-778	GRAB	6190 Marine Drive	25-Aug-14	1.5	<1		<2	16	<1		0.07
WEAG-778	GRAB	6190 Marine Drive	8-Sep-14	1.3	<1		<2	18	<1		0.08
WEAG-778	GRAB	6190 Marine Drive	22-Sep-14	1.1	<1		<2	15	<1		0.11
WEAG-778	GRAB	6190 Marine Drive	6-Oct-14	1	<1		<2	16	<1		0.14
WEAG-778	GRAB	6190 Marine Drive	20-Oct-14	0.99	<1		<2	14	<1		0.15
WEAG-778	GRAB	6190 Marine Drive	3-Nov-14	0.78	<1		<2	13	<1		0.07
WEAG-778	GRAB	6190 Marine Drive	17-Nov-14	1	<1		<2	9	<1		0.12
WEAG-778	GRAB	6190 Marine Drive	1-Dec-14	1.1	<1		2	7	<1		0.15
WEAG-778	GRAB	6190 Marine Drive	15-Dec-14	1.2	<1		2	7	<1		0.15
WEAG-778	GRAB	6190 Marine Drive	29-Dec-14	0.96	<1		NA	8	<1		0.21
WEAG-779	GRAB	1370 Burnside Road	6-Jan-14	0.76	<1		2	7	<1		0.12
WEAG-779	GRAB	1370 Burnside Road	3-Feb-14	1.1	<1		<2	8	<1		0.07
WEAG-779	GRAB	1370 Burnside Road	3-Mar-14	0.59	<1		<2	7	<1		0.1
WEAG-779	GRAB	1370 Burnside Road	31-Mar-14	0.92	<1		<2	7	<1		0.11
WEAG-779	GRAB	1370 Burnside Road	28-Apr-14	0.59	<1		<2	8	<1		0.08
WEAG-779	GRAB	1370 Burnside Road	26-May-14	0.44	<1		2	12	<1		0.13

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-779	GRAB	1370 Burnside Road	23-Jun-14	0.85	<1		2	13	<1		0.37
WEAG-779	GRAB	1370 Burnside Road	21-Jul-14	0.78	<1		2	10	<1		0.28
WEAG-779	GRAB	1370 Burnside Road	18-Aug-14	0.92	<1		<2	16	<1		0.31
WEAG-779	GRAB	1370 Burnside Road	15-Sep-14	1.1	<1		10	16	<1		0.51
WEAG-779	GRAB	1370 Burnside Road	15-Oct-14	0.82	<1		<2	17	<1		0.19
WEAG-779	GRAB	1370 Burnside Road	10-Nov-14	0.7	<1		<2	12	<1		0.09
WEAG-779	GRAB	1370 Burnside Road	8-Dec-14	0.74	<1		<2	9	<1		0.11
WEAG-780	GRAB	5634 Westhaven Road	13-Jan-14	0.95	<1		<2	7	<1		0.13
WEAG-780	GRAB	5634 Westhaven Road	12-Feb-14	1.2	<1		2	7	<1		0.12
WEAG-780	GRAB	5634 Westhaven Road	10-Mar-14	0.88	<1		<2	7	<1		0.11
WEAG-780	GRAB	5634 Westhaven Road	7-Apr-14	0.8	<1		<2	7	<1		0.17
WEAG-780	GRAB	5634 Westhaven Road	5-May-14	1.2	<1		2	8	<1		0.13
WEAG-780	GRAB	5634 Westhaven Road	2-Jun-14	0.89	<1		2	13	<1		0.14
WEAG-780	GRAB	5634 Westhaven Road	30-Jun-14	1.2	<1		<2	12	<1		0.07
WEAG-780	GRAB	5634 Westhaven Road	28-Jul-14	1.3	<1		<2	17	<1		0.13
WEAG-780	GRAB	5634 Westhaven Road	25-Aug-14	1.3	<1		<2	16	<1		0.09
WEAG-780	GRAB	5634 Westhaven Road	22-Sep-14	0.89	<1		<2	14	<1		0.11
WEAG-780	GRAB	5634 Westhaven Road	20-Oct-14	0.98	<1		6	14	<1		0.13
WEAG-780	GRAB	5634 Westhaven Road	17-Nov-14	0.97	<1		<2	10	<1		0.15
WEAG-780	GRAB	5634 Westhaven Road	15-Dec-14	1.1	<1		<2	8	<1		0.33
WEAG-783	GRAB	4520 Almondel Place	27-Jan-14	0.81	<1		6	6	<1		0.13
WEAG-783	GRAB	4520 Almondel Place	24-Feb-14	1	<1		<2	6	<1		0.28
WEAG-783	GRAB	4520 Almondel Place	24-Mar-14	0.75	<1		4	7	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	23-Apr-14	0.71	<1		4	8	<1		0.12
WEAG-783	GRAB	4520 Almondel Place	22-May-14	1.2	<1		2	9	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	16-Jun-14	0.98	<1		<2	16	<1		0.08
WEAG-783	GRAB	4520 Almondel Place	14-Jul-14	1.2	<1		<2	23	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	11-Aug-14	1.4	<1		<2	17	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	8-Sep-14	1.4	<1		<2	18	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	6-Oct-14	0.96	<1		<2	16	<1		0.06
WEAG-783	GRAB	4520 Almondel Place	3-Nov-14	0.78	<1		<2	14	<1		0.09
WEAG-783	GRAB	4520 Almondel Place	1-Dec-14	1.3	<1		14	8	<1		0.78
WEAG-783	GRAB	4520 Almondel Place	29-Dec-14	0.82	<1		NA	8	<1		0.17
WEAG-784	GRAB	5759 Primrose Place	13-Jan-14	0.76	<1		<2	8	<1		0.15
WEAG-784	GRAB	5759 Primrose Place	12-Feb-14	1.2	<1		<2	7	<1		0.19
WEAG-784	GRAB	5759 Primrose Place	10-Mar-14	1.1	<1		6	7	<1		0.13
WEAG-784	GRAB	5759 Primrose Place	7-Apr-14	0.85	<1		<2	7	<1		0.16
WEAG-784	GRAB	5759 Primrose Place	5-May-14	0.95	<1		<2	8	<1		0.27
WEAG-784	GRAB	5759 Primrose Place	2-Jun-14	1.5	<1		<2	14	<1		0.1
WEAG-784	GRAB	5759 Primrose Place	30-Jun-14	0.92	<1		<2	16	<1		0.19
WEAG-784	GRAB	5759 Primrose Place	28-Jul-14	1.3	<1		<2	18	<1		0.17
WEAG-784	GRAB	5759 Primrose Place	25-Aug-14	1.3	<1		8	17	<1		0.53
WEAG-784	GRAB	5759 Primrose Place	22-Sep-14	0.84	<1		<2	14	<1		0.17
WEAG-784	GRAB	5759 Primrose Place	20-Oct-14	0.72	<1		6	14	<1		0.2
WEAG-784	GRAB	5759 Primrose Place	17-Nov-14	0.39	<1		<2	9	<1		0.13
WEAG-784	GRAB	5759 Primrose Place	15-Dec-14	0.94	<1		<2	8	<1		0.35
WEAG-785	GRAB	4820 Headland Drive	13-Jan-14	0.82	<1		2	8	<1		0.15
WEAG-785	GRAB	4820 Headland Drive	12-Feb-14	1.2	<1		<2	7	<1		0.11
WEAG-785	GRAB	4820 Headland Drive	10-Mar-14	0.91	<1		<2	7	<1		0.14
WEAG-785	GRAB	4820 Headland Drive	7-Apr-14	0.77	<1		2	6	<1		0.1
WEAG-785	GRAB	4820 Headland Drive	5-May-14	0.99	<1		6	8	<1		0.25
WEAG-785	GRAB	4820 Headland Drive	2-Jun-14	0.77	<1		18	14	<1		2.8
WEAG-785	GRAB	4820 Headland Drive	30-Jun-14	1.1	<1		10	13	<1		0.08
WEAG-785	GRAB	4820 Headland Drive	28-Jul-14	1.2	<1		2	16	<1		0.09
WEAG-785	GRAB	4820 Headland Drive	25-Aug-14	1.2	<1		<2	17	<1		0.1
WEAG-785	GRAB	4820 Headland Drive	22-Sep-14	0.78	<1		<2	15	<1		0.11
WEAG-785	GRAB	4820 Headland Drive	20-Oct-14	0.92	<1		<2	14	<1		0.1
WEAG-785	GRAB	4820 Headland Drive	17-Nov-14	0.82	<1		22	9	<1		0.09
WEAG-785	GRAB	4820 Headland Drive	15-Dec-14	1	<1		4	9	<1		0.12
WEAG-786	GRAB	1158 Millstream Road	20-Jan-14	1.1	<1		2	5	<1		0.17
WEAG-786	GRAB	1158 Millstream Road	17-Feb-14	1.1	<1		<2	8	<1		0.09
WEAG-786	GRAB	1158 Millstream Road	17-Mar-14	1.2	<1		2	7	<1		0.18
WEAG-786	GRAB	1158 Millstream Road	14-Apr-14	0.97	<1		4	10	<1		0.23
WEAG-786	GRAB	1158 Millstream Road	12-May-14	1.2	<1		<2	12	<1		0.1

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WEAG-786	GRAB	1158 Millstream Road	9-Jun-14	0.62	<1		<2	11	<1		0.45
WEAG-786	GRAB	1158 Millstream Road	7-Jul-14	1.6	<1		4	12	<1		0.3
WEAG-786	GRAB	1158 Millstream Road	6-Aug-14	1.7	<1		<2	16	<1		0.58
WEAG-786	GRAB	1158 Millstream Road	3-Sep-14	1	<1		4	17	<1		0.38
WEAG-786	GRAB	1158 Millstream Road	29-Sep-14	1.3	<1		12	17	<1		0.26
WEAG-786	GRAB	1158 Millstream Road	27-Oct-14	1.4	<1		<2	16	<1		0.2
WEAG-786	GRAB	1158 Millstream Road	24-Nov-14	1.2	<1		<2	9	<1		0.1
WEAG-786	GRAB	1158 Millstream Road	22-Dec-14	2.2	<1		NA	8	<1		0.11
WEAG-787	GRAB	2711 Willoughby Road	20-Jan-14	0.97	<1		<2	5	<1		0.15
WEAG-787	GRAB	2711 Willoughby Road	17-Feb-14	1.1	<1		2	8	<1		0.13
WEAG-787	GRAB	2711 Willoughby Road	17-Mar-14	0.82	<1		<2	7	<1		0.09
WEAG-787	GRAB	2711 Willoughby Road	14-Apr-14	0.81	<1		<2	10	<1		0.58
WEAG-787	GRAB	2711 Willoughby Road	12-May-14	1.1	<1		<2	12	<1		0.34
WEAG-787	GRAB	2711 Willoughby Road	9-Jun-14	1	<1		<2	14	<1		0.64
WEAG-787	GRAB	2711 Willoughby Road	7-Jul-14	1.2	<1		<2	12	<1		0.4
WEAG-787	GRAB	2711 Willoughby Road	6-Aug-14	1.4	<1		<2	16	<1		0.51
WEAG-787	GRAB	2711 Willoughby Road	3-Sep-14	1.1	<1		4	17	<1		0.37
WEAG-787	GRAB	2711 Willoughby Road	29-Sep-14	1	<1		<2	17	<1		0.2
WEAG-787	GRAB	2711 Willoughby Road	27-Oct-14	1.3	<1		<2	16	<1		0.16
WEAG-787	GRAB	2711 Willoughby Road	24-Nov-14	0.6	<1		2	10	<1		0.21
WEAG-787	GRAB	2711 Willoughby Road	22-Dec-14	2.2	<1		NA	9	<1		0.14
WEAG-788	GRAB	1551 Vinson Creek Road	20-Jan-14	0.99	<1		<2	6	<1		0.11
WEAG-788	GRAB	1551 Vinson Creek Road	17-Feb-14	1	<1		<2	7	<1		0.09
WEAG-788	GRAB	1551 Vinson Creek Road	17-Mar-14	1.9	<1		<2	8	<1		0.14
WEAG-788	GRAB	1551 Vinson Creek Road	14-Apr-14	0.94	<1		<2	9	<1		0.11
WEAG-788	GRAB	1551 Vinson Creek Road	12-May-14	0.65	<1		10	10	<1		0.11
WEAG-788	GRAB	1551 Vinson Creek Road	9-Jun-14	0.87	<1		<2	10	<1		0.52
WEAG-788	GRAB	1551 Vinson Creek Road	7-Jul-14	1.1	<1		4	10	<1		0.34
WEAG-788	GRAB	1551 Vinson Creek Road	6-Aug-14	1.3	<1		<2	15	<1		0.52
WEAG-788	GRAB	1551 Vinson Creek Road	3-Sep-14	0.81	<1		<2	16	<1		0.4
WEAG-788	GRAB	1551 Vinson Creek Road	29-Sep-14	2.1	<1		<2	16	<1		0.1
WEAG-788	GRAB	1551 Vinson Creek Road	27-Oct-14	1.2	<1		<2	15	<1		0.2
WEAG-788	GRAB	1551 Vinson Creek Road	24-Nov-14	0.73	<1		2	10	<1		0.09
WEAG-788	GRAB	1551 Vinson Creek Road	22-Dec-14	0.6	<1		NA	8	<1		0.08
WEAG-880	GRAB	965 Cross Creek Road	13-Jan-14	0.9	<1		4	7	<1		0.08
WEAG-880	GRAB	965 Cross Creek Road	12-Feb-14	0.9	<1		<2	7	<1		0.14
WEAG-880	GRAB	965 Cross Creek Road	10-Mar-14	0.75	<1		<2	7	<1		0.22
WEAG-880	GRAB	965 Cross Creek Road	7-Apr-14	0.81	<1		2	6	<1		0.12
WEAG-880	GRAB	965 Cross Creek Road	5-May-14	1.1	<1		<2	9	<1		0.11
WEAG-880	GRAB	965 Cross Creek Road	2-Jun-14	2.2	<1		<2	13	<1		0.55
WEAG-880	GRAB	965 Cross Creek Road	30-Jun-14	0.9	<1		<2	10	<1		0.33
WEAG-880	GRAB	965 Cross Creek Road	28-Jul-14	0.92	<1		4	18	<1		0.3
WEAG-880	GRAB	965 Cross Creek Road	25-Aug-14	1.1	<1		6	17	<1		0.31
WEAG-880	GRAB	965 Cross Creek Road	22-Sep-14	0.83	<1		4	15	<1		0.56
WEAG-880	GRAB	965 Cross Creek Road	20-Oct-14	0.89	<1		<2	14	<1		0.09
WEAG-880	GRAB	965 Cross Creek Road	17-Nov-14	0.91	<1		6	10	<1		0.17
WEAG-880	GRAB	965 Cross Creek Road	15-Dec-14	0.96	<1		<2	9	<1		0.08
WVR-711	GRAB	1020 Groveland Road	6-Jan-14	0.89	<1		4	6	<1		0.11
WVR-711	GRAB	1020 Groveland Road	3-Feb-14	0.43	<1		4	7	<1		0.1
WVR-711	GRAB	1020 Groveland Road	3-Mar-14	0.76	<1		<2	6	<1		0.12
WVR-711	GRAB	1020 Groveland Road	31-Mar-14	0.68	<1		<2	6	<1		0.16
WVR-711	GRAB	1020 Groveland Road	28-Apr-14	0.8	<1		<2	8	<1		0.15
WVR-711	GRAB	1020 Groveland Road	26-May-14	0.67	<1		<2	12	<1		0.14
WVR-711	GRAB	1020 Groveland Road	23-Jun-14	0.84	<1		<2	11	<1		0.45
WVR-711	GRAB	1020 Groveland Road	21-Jul-14	0.88	<1		<2	12	<1		0.28
WVR-711	GRAB	1020 Groveland Road	18-Aug-14	1.3	<1		110	17	<1		0.36
WVR-711	GRAB	1020 Groveland Road	15-Sep-14	0.99	<1		140	16	<1		0.55
WVR-711	GRAB	1020 Groveland Road	15-Oct-14	0.77	<1		<2	17	<1		0.16
WVR-711	GRAB	1020 Groveland Road	10-Nov-14	0.46	<1		2	12	<1		0.17
WVR-711	GRAB	1020 Groveland Road	8-Dec-14	0.62	<1		2	8	<1		0.1
WVR-712	GRAB	510 Ballantree Road	6-Jan-14	0.61	<1		<2	7	<1		0.19
WVR-712	GRAB	510 Ballantree Road	3-Feb-14	0.87	<1		4	6	<1		0.11
WVR-712	GRAB	510 Ballantree Road	3-Mar-14	0.7	<1		<2	6	<1		0.1
WVR-712	GRAB	510 Ballantree Road	31-Mar-14	0.45	<1		<2	6	<1		0.11

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WVR-712	GRAB	510 Ballantree Road	28-Apr-14	1	<1		<2	8	<1		0.08
WVR-712	GRAB	510 Ballantree Road	26-May-14	1.1	<1		<2	12	<1		0.12
WVR-712	GRAB	510 Ballantree Road	23-Jun-14	0.22	<1		960	15	1		0.46
WVR-712	*REPEAT*	*510 Ballantree Road*	*25-Jun-14*	*0.21*	*<1*			*15*	*<1*		*0.46*
WVR-712	GRAB	510 Ballantree Road	21-Jul-14	0.55	<1		88	16	<1		0.29
WVR-712	GRAB	510 Ballantree Road	18-Aug-14	0.44	<1		2	16	<1		0.37
WVR-712	GRAB	510 Ballantree Road	15-Sep-14	0.24	<1		2	17	<1		0.45
WVR-712	GRAB	510 Ballantree Road	15-Oct-14	0.81	<1		2	16	<1		0.18
WVR-712	GRAB	510 Ballantree Road	10-Nov-14	0.59	<1		<2	13	<1		0.31
WVR-712	GRAB	510 Ballantree Road	8-Dec-14	0.58	<1		<2	9	<1		0.13
WVR-718	GRAB	885 - 22nd Street	27-Jan-14	0.56	<1		<2	7	<1		0.13
WVR-718	GRAB	885 - 22nd Street	24-Feb-14	0.56	<1		<2	7	<1		0.12
WVR-718	GRAB	885 - 22nd Street	24-Mar-14	0.26	<1		<2	8	<1		0.12
WVR-718	GRAB	885 - 22nd Street	23-Apr-14	0.7	<1		2	8	<1		0.22
WVR-718	GRAB	885 - 22nd Street	22-May-14	0.72	<1		2	10	<1		0.11
WVR-718	GRAB	885 - 22nd Street	16-Jun-14	0.65	<1		4	13	<1		0.39
WVR-718	GRAB	885 - 22nd Street	14-Jul-14	0.27	<1		34	17	<1		0.39
WVR-718	GRAB	885 - 22nd Street	11-Aug-14	0.6	<1		18	18	<1		0.31
WVR-718	GRAB	885 - 22nd Street	8-Sep-14	0.72	<1		150	16	<1		0.24
WVR-718	GRAB	885 - 22nd Street	6-Oct-14	0.26	<1		1400	17	<1		0.08
WVR-718	GRAB	885 - 22nd Street	3-Nov-14	0.45	<1		14	14	<1		0.07
WVR-718	GRAB	885 - 22nd Street	1-Dec-14	0.75	<1		10	8	<1		0.07
WVR-718	GRAB	885 - 22nd Street	29-Dec-14	0.46	<1		NA	9	<1		0.1
WVR-761	GRAB	243 Rabbit Lane	20-Jan-14	0.37	<1		1700	6	<1		1.3
WVR-761	GRAB	243 Rabbit Lane	17-Feb-14	0.45	<1		36	7	<1		0.41
WVR-761	GRAB	243 Rabbit Lane	17-Mar-14	0.22	<1		24	7	<1		0.25
WVR-761	GRAB	243 Rabbit Lane	14-Apr-14	0.34	<1		18	10	<1		0.37
WVR-761	GRAB	243 Rabbit Lane	12-May-14	0.28	<1		12	12	<1		0.21
WVR-761	GRAB	243 Rabbit Lane	9-Jun-14	0.28	<1		5700	11	<1		0.36
WVR-761	GRAB	243 Rabbit Lane	7-Jul-14	0.22	<1		4000	12	<1		0.31
WVR-761	GRAB	243 Rabbit Lane	6-Aug-14	0.45	<1		3900	16	<1		0.37
WVR-761	GRAB	243 Rabbit Lane	3-Sep-14	0.28	<1		3100	16	<1		0.4
WVR-761	GRAB	243 Rabbit Lane	29-Sep-14	0.32	<1		56	16	<1		0.21
WVR-761	GRAB	243 Rabbit Lane	27-Oct-14	0.27	<1		260	16	<1		0.65
WVR-761	GRAB	243 Rabbit Lane	24-Nov-14	0.25	<1		4300	9	<1		3
WVR-761	GRAB	243 Rabbit Lane	22-Dec-14	0.24	<1		NA	8	<1		0.33
WVR-764	GRAB	111 Bridge Road	20-Jan-14	0.5	<1		<2	5	<1		0.17
WVR-764	GRAB	111 Bridge Road	17-Feb-14	0.88	<1		<2	6	<1		0.2
WVR-764	GRAB	111 Bridge Road	17-Mar-14	0.48	<1		6	6	<1		0.13
WVR-764	GRAB	111 Bridge Road	14-Apr-14	0.68	<1		<2	8	<1		0.15
WVR-764	GRAB	111 Bridge Road	12-May-14	0.55	<1		<2	9	<1		0.15
WVR-764	GRAB	111 Bridge Road	9-Jun-14	0.84	<1		<2	10	<1		0.48
WVR-764	GRAB	111 Bridge Road	7-Jul-14	0.98	<1		<2	11	<1		0.34
WVR-764	GRAB	111 Bridge Road	6-Aug-14	1.2	<1		<2	15	<1		0.44
WVR-764	GRAB	111 Bridge Road	3-Sep-14	1.1	<1		<2	15	<1		0.44
WVR-764	GRAB	111 Bridge Road	29-Sep-14	0.86	<1		<2	15	<1		0.14
WVR-764	GRAB	111 Bridge Road	27-Oct-14	0.96	<1		<2	15	<1		0.27
WVR-764	GRAB	111 Bridge Road	24-Nov-14	0.92	<1		6	8	<1		0.13
WVR-764	GRAB	111 Bridge Road	22-Dec-14	0.74	<1		NA	7	<1		0.21
WVR-790	GRAB	19 Glenmore Drive	6-Jan-14	0.72	<1		<2	6	<1		0.63
WVR-790	GRAB	19 Glenmore Drive	20-Jan-14	0.4	<1		20	6	<1		1.7
WVR-790	GRAB	19 Glenmore Drive	3-Feb-14	0.63	<1		6	8	<1		0.08
WVR-790	GRAB	19 Glenmore Drive	17-Feb-14	0.59	<1		10	8	<1		0.14
WVR-790	GRAB	19 Glenmore Drive	3-Mar-14	0.52	<1		2	6	<1		0.11
WVR-790	GRAB	19 Glenmore Drive	17-Mar-14	0.34	<1		4	8	<1		0.12
WVR-790	GRAB	19 Glenmore Drive	31-Mar-14	0.33	<1		4	6	<1		0.1
WVR-790	GRAB	19 Glenmore Drive	14-Apr-14	0.71	<1		<2	9	<1		0.1
WVR-790	GRAB	19 Glenmore Drive	28-Apr-14	0.53	<1		4	8	<1		0.11
WVR-790	GRAB	19 Glenmore Drive	12-May-14	0.24	<1		490	12	<1		0.76
WVR-790	GRAB	19 Glenmore Drive	26-May-14	0.26	<1		6	14	<1		0.73
WVR-790	GRAB	19 Glenmore Drive	9-Jun-14	0.32	<1		<2	11	<1		0.52
WVR-790	GRAB	19 Glenmore Drive	23-Jun-14	0.26	<1		6	10	<1		0.41
WVR-790	GRAB	19 Glenmore Drive	7-Jul-14	0.46	<1		34	14	<1		0.43
WVR-790	GRAB	19 Glenmore Drive	21-Jul-14	1	<1		<2	10	<1		0.27

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WVR-790	GRAB	19 Glenmore Drive	6-Aug-14	1.4	<1		12	17	<1		0.36
WVR-790	GRAB	19 Glenmore Drive	18-Aug-14	1.3	<1		<2	16	<1		0.34
WVR-790	GRAB	19 Glenmore Drive	3-Sep-14	0.64	<1		6	16	<1		0.38
WVR-790	GRAB	19 Glenmore Drive	15-Sep-14	0.98	<1		<2	16	<1		0.56
WVR-790	GRAB	19 Glenmore Drive	29-Sep-14	0.46	<1		<2	16	<1		0.12
WVR-790	GRAB	19 Glenmore Drive	15-Oct-14	0.73	<1		<2	16	<1		0.16
WVR-790	GRAB	19 Glenmore Drive	27-Oct-14	0.54	<1		2	16	<1		0.18
WVR-790	GRAB	19 Glenmore Drive	10-Nov-14	0.43	<1		<2	13	<1		0.89
WVR-790	GRAB	19 Glenmore Drive	24-Nov-14	0.42	<1		16	10	<1		0.15
WVR-790	GRAB	19 Glenmore Drive	8-Dec-14	0.5	<1		<2	10	<1		0.42
WVR-790	GRAB	19 Glenmore Drive	22-Dec-14	0.51	<1		NA	9	<1		0.79
WVR-791	GRAB	200 Keith Road	6-Jan-14	0.88	<1		18	6	<1		0.12
WVR-791	GRAB	200 Keith Road	3-Feb-14	0.65	<1		<2	8	<1		0.15
WVR-791	GRAB	200 Keith Road	3-Mar-14	0.67	<1		2	5	<1		0.21
WVR-791	GRAB	200 Keith Road	31-Mar-14	0.23	<1		<2	5	<1		0.11
WVR-791	GRAB	200 Keith Road	28-Apr-14	0.8	<1		<2	8	<1		0.13
WVR-791	GRAB	200 Keith Road	26-May-14	0.69	<1		2	8	<1		0.12
WVR-791	GRAB	200 Keith Road	23-Jun-14	1.1	<1		2	10	<1		0.48
WVR-791	GRAB	200 Keith Road	21-Jul-14	1.2	<1		<2	10	<1		0.28
WVR-791	GRAB	200 Keith Road	18-Aug-14	0.91	<1		4	14	<1		0.45
WVR-791	GRAB	200 Keith Road	15-Sep-14	1	<1		2	15	<1		0.59
WVR-791	GRAB	200 Keith Road	15-Oct-14	0.88	<1		2	15	<1		0.19
WVR-791	GRAB	200 Keith Road	10-Nov-14	0.74	<1		<2	12	<1		0.14
WVR-791	GRAB	200 Keith Road	8-Dec-14	0.58	<1		2	7	<1		0.13
WVR-792	GRAB	76 Bonnymuir Drive	6-Jan-14	0.64	<1		<2	7	<1		0.18
WVR-792	GRAB	76 Bonnymuir Drive	20-Jan-14	0.56	<1		2	5	<1		0.29
WVR-792	GRAB	76 Bonnymuir Drive	3-Feb-14	0.89	<1		<2	6	<1		0.11
WVR-792	GRAB	76 Bonnymuir Drive	17-Feb-14	0.77	<1		<2	8	<1		0.11
WVR-792	GRAB	76 Bonnymuir Drive	3-Mar-14	0.48	<1		<2	6	<1		0.13
WVR-792	GRAB	76 Bonnymuir Drive	17-Mar-14	0.41	<1		<2	7	<1		0.15
WVR-792	GRAB	76 Bonnymuir Drive	31-Mar-14	0.24	<1		<2	6	<1		0.15
WVR-792	GRAB	76 Bonnymuir Drive	14-Apr-14	0.52	<1		<2	9	<1		0.08
WVR-792	GRAB	76 Bonnymuir Drive	28-Apr-14	0.39	<1		<2	7	<1		0.16
WVR-792	GRAB	76 Bonnymuir Drive	12-May-14	0.24	<1		<2	11	<1		0.15
WVR-792	GRAB	76 Bonnymuir Drive	26-May-14	0.71	<1		<2	10	<1		0.08
WVR-792	GRAB	76 Bonnymuir Drive	9-Jun-14	0.31	<1		<2	12	<1		0.44
WVR-792	GRAB	76 Bonnymuir Drive	23-Jun-14	0.23	<1		2	12	<1		0.39
WVR-792	GRAB	76 Bonnymuir Drive	7-Jul-14	0.36	<1		4	13	<1		0.33
WVR-792	GRAB	76 Bonnymuir Drive	21-Jul-14	0.3	<1		<2	11	<1		0.25
WVR-792	GRAB	76 Bonnymuir Drive	6-Aug-14	0.48	<1		16	17	<1		0.33
WVR-792	GRAB	76 Bonnymuir Drive	18-Aug-14	0.6	<1		<2	16	<1		0.32
WVR-792	GRAB	76 Bonnymuir Drive	3-Sep-14	0.68	<1		<2	16	<1		0.43
WVR-792	GRAB	76 Bonnymuir Drive	15-Sep-14	0.46	<1		2	15	<1		0.53
WVR-792	GRAB	76 Bonnymuir Drive	29-Sep-14	0.57	<1		<2	17	<1		0.17
WVR-792	GRAB	76 Bonnymuir Drive	15-Oct-14	0.59	<1		2	16	<1		0.14
WVR-792	GRAB	76 Bonnymuir Drive	27-Oct-14	0.37	<1		4	16	<1		0.16
WVR-792	GRAB	76 Bonnymuir Drive	10-Nov-14	0.27	<1		<2	12	<1		0.12
WVR-792	GRAB	76 Bonnymuir Drive	24-Nov-14	0.33	<1		2	10	<1		0.14
WVR-792	GRAB	76 Bonnymuir Drive	8-Dec-14	0.46	<1		<2	10	<1		0.23
WVR-792	GRAB	76 Bonnymuir Drive	22-Dec-14	0.49	<1		NA	8	<1		0.13
WVR-793	GRAB	559 Kildonan Road	6-Jan-14	0.52	<1		<2	6	<1		0.2
WVR-793	GRAB	559 Kildonan Road	3-Feb-14	0.65	<1		4	6	<1		0.13
WVR-793	GRAB	559 Kildonan Road	3-Mar-14	0.58	<1		<2	5	<1		0.12
WVR-793	GRAB	559 Kildonan Road	31-Mar-14	1	<1		<2	6	<1		0.08
WVR-793	GRAB	559 Kildonan Road	28-Apr-14	1	<1		<2	7	<1		0.1
WVR-793	GRAB	559 Kildonan Road	26-May-14	0.98	<1		<2	13	<1		0.09
WVR-793	GRAB	559 Kildonan Road	23-Jun-14	0.36	<1		710	15	<1		0.41
WVR-793	GRAB	559 Kildonan Road	25-Jun-14	0.22	<1		2	15	<1		0.41
WVR-793	GRAB	559 Kildonan Road	26-Jun-14	0.22	<1			15	<1		0.33
WVR-793	GRAB	559 Kildonan Road	27-Jun-14	0.34	<1			15	2		0.42
WVR-793	*REPEAT*	*559 Kildonan Road*	*30-Jun-14*	*0.34*	*<1*			*16*	*<1*		*0.47*
WVR-793	GRAB	559 Kildonan Road	21-Jul-14	0.24	<1		110	17	<1		0.26
WVR-793	GRAB	559 Kildonan Road	18-Aug-14	0.4	<1		8	17	<1		0.29
WVR-793	GRAB	559 Kildonan Road	15-Sep-14	0.32	<1		<2	17	<1		0.38

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WVR-793	GRAB	559 Kildonan Road	15-Oct-14	0.82	<1		<2	16	<1		0.18
WVR-793	GRAB	559 Kildonan Road	10-Nov-14	0.41	<1		<2	12	<1		0.13
WVR-793	GRAB	559 Kildonan Road	8-Dec-14	0.77	<1		<2	8	<1		0.13
WVR-794	GRAB	702 Barnham Road	6-Jan-14	0.62	<1		<2	6	<1		0.16
WVR-794	GRAB	702 Barnham Road	3-Feb-14	0.54	<1		4	7	<1		0.09
WVR-794	GRAB	702 Barnham Road	3-Mar-14	0.74	<1		<2	5	<1		0.12
WVR-794	GRAB	702 Barnham Road	31-Mar-14	0.71	<1		<2	6	<1		0.1
WVR-794	GRAB	702 Barnham Road	28-Apr-14	0.76	<1		<2	8	<1		0.08
WVR-794	GRAB	702 Barnham Road	26-May-14	0.61	<1		8	13	<1		0.09
WVR-794	GRAB	702 Barnham Road	23-Jun-14	0.72	<1		<2	13	<1		0.32
WVR-794	GRAB	702 Barnham Road	21-Jul-14	0.89	<1		2	15	<1		0.28
WVR-794	GRAB	702 Barnham Road	18-Aug-14	0.57	<1		<2	17	<1		0.37
WVR-794	GRAB	702 Barnham Road	15-Sep-14	0.43	<1		2	16	<1		0.63
WVR-794	GRAB	702 Barnham Road	15-Oct-14	0.45	<1		<2	17	<1		0.16
WVR-794	GRAB	702 Barnham Road	10-Nov-14	0.31	<1		2	13	<1		0.15
WVR-794	GRAB	702 Barnham Road	8-Dec-14	0.44	<1		<2	8	<1		0.14
WVR-795	GRAB	620 Kenwood Road	6-Jan-14	0.76	<1		<2	6	<1		0.17
WVR-795	GRAB	620 Kenwood Road	3-Feb-14	0.61	<1		<2	6	<1		0.17
WVR-795	GRAB	620 Kenwood Road	3-Mar-14	0.45	<1		<2	5	<1		0.14
WVR-795	GRAB	620 Kenwood Road	31-Mar-14	0.52	<1		2	6	<1		0.19
WVR-795	GRAB	620 Kenwood Road	28-Apr-14	0.55	<1		<2	7	<1		0.16
WVR-795	GRAB	620 Kenwood Road	26-May-14	0.42	<1		<2	13	<1		0.2
WVR-795	GRAB	620 Kenwood Road	23-Jun-14	0.22	<1		18	13	<1		0.36
WVR-795	GRAB	620 Kenwood Road	21-Jul-14	0.89	<1		<2	13	<1		0.31
WVR-795	GRAB	620 Kenwood Road	18-Aug-14	1.1	<1		500	17	<1		0.37
WVR-795	GRAB	620 Kenwood Road	15-Sep-14	0.98	<1		<2	16	<1		0.54
WVR-795	GRAB	620 Kenwood Road	15-Oct-14	0.64	<1		<2	17	<1		0.27
WVR-795	GRAB	620 Kenwood Road	10-Nov-14	0.29	<1		12	13	<1		0.14
WVR-795	GRAB	620 Kenwood Road	8-Dec-14	0.42	<1		2	7	<1		0.14
WVR-796	GRAB	315 Mathers Avenue	6-Jan-14	0.82	<1		<2	7	<1		0.12
WVR-796	GRAB	315 Mathers Avenue	20-Jan-14	0.78	<1		56	6	<1		0.1
WVR-796	GRAB	315 Mathers Avenue	3-Feb-14	1	<1		<2	8	<1		0.18
WVR-796	GRAB	315 Mathers Avenue	17-Feb-14	0.86	<1		26	8	<1		0.11
WVR-796	GRAB	315 Mathers Avenue	3-Mar-14	0.71	<1		20	7	<1		0.09
WVR-796	GRAB	315 Mathers Avenue	17-Mar-14	0.51	<1		12	8	<1		0.1
WVR-796	GRAB	315 Mathers Avenue	31-Mar-14	0.63	<1		12	6	<1		0.08
WVR-796	GRAB	315 Mathers Avenue	14-Apr-14	0.76	<1		<2	9	<1		0.24
WVR-796	GRAB	315 Mathers Avenue	28-Apr-14	0.72	<1		2	8	<1		0.08
WVR-796	GRAB	315 Mathers Avenue	12-May-14	0.59	<1		10	10	<1		0.11
WVR-796	GRAB	315 Mathers Avenue	26-May-14	0.67	<1		2	10	<1		0.11
WVR-796	GRAB	315 Mathers Avenue	9-Jun-14	0.93	<1		<2	9	<1		0.59
WVR-796	GRAB	315 Mathers Avenue	23-Jun-14	1.1	<1		<2	10	<1		0.4
WVR-796	GRAB	315 Mathers Avenue	7-Jul-14	1.1	<1		<2	11	<1		0.3
WVR-796	GRAB	315 Mathers Avenue	21-Jul-14	1.1	<1		<2	10	<1		0.27
WVR-796	GRAB	315 Mathers Avenue	6-Aug-14	1.5	<1		<2	16	<1		0.36
WVR-796	GRAB	315 Mathers Avenue	18-Aug-14	1.3	<1		42	15	<1		0.35
WVR-796	GRAB	315 Mathers Avenue	3-Sep-14	0.94	<1		60	15	<1		0.46
WVR-796	GRAB	315 Mathers Avenue	15-Sep-14	1.2	<1		<2	15	<1		0.55
WVR-796	GRAB	315 Mathers Avenue	29-Sep-14	0.83	<1		46	16	<1		0.1
WVR-796	GRAB	315 Mathers Avenue	15-Oct-14	0.81	<1		30	15	<1		0.17
WVR-796	GRAB	315 Mathers Avenue	27-Oct-14	0.79	<1		42	16	<1		0.21
WVR-796	GRAB	315 Mathers Avenue	10-Nov-14	0.78	<1		4	12	<1		0.12
WVR-796	GRAB	315 Mathers Avenue	24-Nov-14	0.96	<1		14	10	<1		0.09
WVR-796	GRAB	315 Mathers Avenue	8-Dec-14	0.65	<1		12	9	<1		0.1
WVR-796	GRAB	315 Mathers Avenue	22-Dec-14	0.76	<1		NA	8	<1		0.13
WVR-797	GRAB	395 Klahanie Court	20-Jan-14	1	<1		<2	6	<1		0.13
WVR-797	GRAB	395 Klahanie Court	17-Feb-14	0.78	<1		<2	8	<1		0.17
WVR-797	GRAB	395 Klahanie Court	17-Mar-14	0.4	<1		4	7	<1		0.18
WVR-797	GRAB	395 Klahanie Court	14-Apr-14	0.89	<1		2	10	<1		0.1
WVR-797	GRAB	395 Klahanie Court	12-May-14	0.73	<1		2	11	<1		0.14
WVR-797	GRAB	395 Klahanie Court	9-Jun-14	0.67	<1		<2	12	<1		0.44
WVR-797	GRAB	395 Klahanie Court	7-Jul-14	0.96	<1		<2	12	<1		0.34
WVR-797	GRAB	395 Klahanie Court	6-Aug-14	0.68	<1		12	15	<1		0.29
WVR-797	GRAB	395 Klahanie Court	3-Sep-14	1.2	<1		36	15	<1		0.44

Sample Name	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/ 100mLs	Ecoli MPN/ 100mLs	HPC CFU/ mls	Temperature °C	Total Coliform MF/ 100mLs	Total Coliform MPN/ 100mLs	Turbidity NTU
WVR-797	GRAB	395 Klahanie Court	29-Sep-14	0.57	<1		18	15	<1		0.17
WVR-797	GRAB	395 Klahanie Court	27-Oct-14	1.1	<1		<2	14	<1		0.28
WVR-797	GRAB	395 Klahanie Court	24-Nov-14	1.2	<1		<2	11	<1		0.15
WVR-797	GRAB	395 Klahanie Court	22-Dec-14	0.35	<1		NA	9	<1		0.24
WMZ-781	GRAB	8005 Pasco Road	27-Jan-14	0.62	<1		<2	7	<1		0.13
WMZ-781	GRAB	8005 Pasco Road	24-Mar-14	0.77	<1		<2	7	<1		0.15
WMZ-781	GRAB	8005 Pasco Road	23-Apr-14	0.52	<1		<2	8	<1		0.15
WMZ-781	GRAB	8005 Pasco Road	22-May-14	1.1	<1		<2	10	<1		0.12
WMZ-781	GRAB	8005 Pasco Road	16-Jun-14	0.8	<1		<2	15	<1		0.13
WMZ-781	GRAB	8005 Pasco Road	14-Jul-14	0.94	<1		<2	18	<1		0.13
WMZ-781	GRAB	8005 Pasco Road	11-Aug-14	0.52	<1		<2	15	<1		0.18
WMZ-781	GRAB	8005 Pasco Road	8-Sep-14	0.91	<1		<2	16	<1		0.16
WMZ-781	GRAB	8005 Pasco Road	6-Oct-14	0.81	<1		2	15	<1		0.07
WMZ-781	GRAB	8005 Pasco Road	3-Nov-14	0.48	<1		2	14	<1		0.09
WMZ-781	GRAB	8005 Pasco Road	1-Dec-14	0.95	<1		<2	7	<1		0.11
WMZ-781	GRAB	8005 Pasco Road	29-Dec-14	0.99	<1		NA	7	<1		0.18
WMZ-782	GRAB	8995 Lawrence Way	13-Jan-14	0.57	<1		4	7	<1		0.37
WMZ-782	GRAB	8995 Lawrence Way	12-Feb-14	0.42	<1		540	7	<1		1.4
WMZ-782	GRAB	8995 Lawrence Way	24-Feb-14	0.62	<1		2	5	<1		2.3
WMZ-782	GRAB	8995 Lawrence Way	10-Mar-14	0.21	<1		<2	6	<1		1
WMZ-782	GRAB	8995 Lawrence Way	7-Apr-14	0.29	<1		2	6	<1		0.36
WMZ-782	GRAB	8995 Lawrence Way	5-May-14	0.96		<1	92	8		19	5.2
WMZ-782	*REPEAT*	*8995 Lawrence Way*	*6-May-14*	*0.67*	*<1*			*9*		*<1*	*0.70*
WMZ-782	GRAB	8995 Lawrence Way	2-Jun-14	0.37	<1		2	13	<1		0.55
WMZ-782	GRAB	8995 Lawrence Way	30-Jun-14	0.27	<1		42	14	<1		1.2
WMZ-782	GRAB	8995 Lawrence Way	28-Jul-14	0.86	<1		<2	14	<1		0.16
WMZ-782	GRAB	8995 Lawrence Way	25-Aug-14	1.3	<1		<2	16	<1		0.33
WMZ-782	GRAB	8995 Lawrence Way	22-Sep-14	0.94	<1		<2	14	<1		0.27
WMZ-782	GRAB	8995 Lawrence Way	20-Oct-14	0.77	<1		<2	16	<1		0.22
WMZ-782	GRAB	8995 Lawrence Way	17-Nov-14	0.57	<1		<2	10	<1		1.5
WMZ-782	GRAB	8995 Lawrence Way	15-Dec-14	0.31	<1		44	7	<1		3.6

Sample Name	Sample Description	Sampled Date	Sample Type	Aluminium Total (mg/l)	Antimony Total (mg/l)	Arsenic Total (mg/l)	Barium Total (mg/l)	Boron Total (mg/l)	Cadmium Total (mg/l)	Calcium Total (mg/l)	Chromium Total (mg/l)	Cobalt Total (mg/l)	Copper Total (mg/l)	Iron Total (mg/l)	Lead Total (mg/l)	(mg/l)	Manganese Total (mg/l)	Mercury Total (mg/l)	Molybdenum Total (mg/l)	Nickel Total (mg/l)	Potassium Total (mg/l)	Selenium Total (mg/l)	Silver Total (mg/l)	Sodium Total (mg/l)	Zinc Total (mg/l)
GCDWQ Guideline				**0.2**	**0.006**	**0.01**	**1**	**5**	**0.005**	**n/a**	**0.05**	**n/a**	**≤1.0**	**≤0.3**	**0.01**	**n/a**	**≤0.05**	**0.001**	**n/a**	**n/a**	**n/a**	**0.05**	**n/a**	**≤200**	**≤5.0**
WEAG-789	Gleneagles Elementary - 6350 Marine Drive	9/06/2014	GRAB	0.044	<0.0005	<0.0005	0.0024	<0.010	<0.0002	1.030	<0.00005	<0.0005	0.167	0.009	0.6	0.619	0.0011	<0.00005	<0.0005	0.0007	0.104	<0.0005	<0.0005	4.350	0.140
WEAG-789	Gleneagles Elementary - 6350 Marine Drive	13/11/2014	GRAB	0.021	<0.0005	<0.0005	0.0032	<0.010	<0.0002	1.220	<0.00005	<0.0005	0.0512	0.006	<0.0005	0.236	0.0009	<0.00005	0.0007	<0.0005	0.108	<0.0005	<0.0005	3.870	0.185
WVR-798	Cypress Park Elementary	9/06/2014	GRAB	0.036	<0.0005	<0.0005	0.0026	<0.010	<0.0002	1.220	0.00007	<0.0005	0.0875	0.018	<0.0005	0.159	0.0015	<0.00005	<0.0005	<0.0005	0.111	<0.0005	<0.0005	4.170	0.140
WVR-798	Cypress Park Elementary	13/11/2014	GRAB	0.022	<0.0005	<0.0005	0.0027	<0.010	<0.0002	2.060	<0.00005	<0.0005	0.131	0.014	<0.0005	0.230	0.0024	<0.00005	0.0006	<0.0005	0.134	<0.0005	<0.0005	3.160	0.0861
WVR-799	Hollyburn Elementary	9/06/2014	GRAB	0.089	<0.0005	<0.0005	0.0024	<0.010	<0.0002	1.350	<0.00005	<0.0005	0.106	0.084	<0.0005	0.148	0.0064	<0.00005	<0.0005	<0.0005	0.133	<0.0005	<0.0005	1.570	<0.003
WVR-799	Hollyburn Elementary	13/11/2014	GRAB	0.028	<0.0005	<0.0005	0.0025	<0.010	<0.0002	3.260	<0.00005	<0.0005	0.0642	0.033	<0.0005	0.140	0.0025	<0.00005	<0.0005	<0.0005	0.158	<0.0005	<0.0005	1.530	<0.003
WMZ-796	Sunset Marina	9/06/2014	GRAB	0.054	<0.0005	<0.0005	0.0021	<0.010	<0.0002	1.460	<0.00005	<0.0005	0.0082	0.130	<0.0005	0.167	0.0011	<0.00005	<0.0005	<0.0005	0.106	<0.0005	<0.0005	2.020	<0.003
WMZ-796	Sunset Marina	13/11/2014	GRAB	0.039	<0.0005	<0.0005	0.0054	<0.010	<0.0002	1.730	<0.00005	<0.0005	0.0074	0.224	<0.0005	0.216	0.0018	<0.00005	<0.0005	<0.0005	0.114	<0.0005	<0.0005	2.680	0.0058

Sample	Date Sampled	Total THM Quarterly Average (2014)	Total THM Quarterly Average (2013)	+/- Change (%)	Total HAA Quarterly Average (2014)	Total HAA Quarterly Average (2013)	+/- Change (%)
GCDWQ Guideline		100 ppb	100 ppb		80 ppb	80 ppb	
WEAG-772	3/6/2014	**46**	63	-27	**45**	60	-25
WEAG-772	6/3/2014	**47**	61	-23	**47**	57	-18
WEAG-772	9/3/2014	**45**	54	-17	**45**	57	-22
WEAG-772	11/20/2014	**47**	51	-8	**51**	48	+6
WEAG-773	3/6/2014	**63**	82	-24	**44**	55	-20
WEAG-773	6/3/2014	**60**	82	-27	**48**	56	-15
WEAG-773	9/3/2014	**60**	72	-17	**49**	60	-19
WEAG-773	11/20/2014	**55**	69	-21	**60**	46	+24
WEAG-776	3/6/2014	**51**	59	-14			
WEAG-776	6/3/2014	**51**	60	-15			
WEAG-776	9/3/2014	**48**	53	-10			
WEAG-776	11/20/2014	**47**	52	-10			
WEAG-778	3/6/2014	**45**	65	-31	**42**	64	+35
WEAG-778	6/3/2014	**46**	63	-27	**41**	58	-30
WEAG-778	9/3/2014	**44**	55	-20	**46**	50	-8
WEAG-778	11/20/2014	**45**	51	-12	**46**	46	0
WMZ-781	3/6/2014	**58**	62	-7	**61**	68	-11
WMZ-781	6/3/2014	**42**	71	-41	**47**	73	-36
WMZ-781	9/3/2014	**33**	78	-58	**37**	80	-64
WMZ-781	11/20/2014	**29**	63	-64	**39**	64	-40
WMZ-782	3/6/2014	**52**	50	+4	**44**	48	-9
WMZ-782	6/3/2014	**40**	57	-30	**37**	47	-22
WMZ-782	9/3/2014	**31**	63	-51	**31**	51	-40
WMZ-782	11/20/2014	**25**	56	-66	**23**	53	-57
WVR-713	3/6/2014	**49**	55	-11			
WVR-713	6/3/2014	**45**	53	-16			
WVR-713	9/3/2014	**48**	52	-8			
WVR-713	11/20/2014	**39**	53	-27			
WVR-716	3/6/2014	**43**	58	-26	**41**	49	-17
WVR-716	6/3/2014	**44**	58	-25	**42**	46	-9
WVR-716	9/3/2014	**42**	52	-20	**43**	43	0
WVR-716	11/20/2014	**44**	49	-11	**45**	43	+5
WVR-717	3/6/2014	**30**	22	+27			
WVR-717	6/3/2014	**33**	30	+10			
WVR-717	9/3/2014	**40**	29	+28			
WVR-717	11/20/2014	**44**	31	+30			
WVR-764	3/6/2014	**23**	17	+27	**25**	26	-4
WVR-764	6/3/2014	**20**	21	-5	**25**	28	-11
WVR-764	9/3/2014	**20**	22	-10	**31**	20	+36
WVR-764	11/20/2014	**21**	23	-9	**32**	22	+42