City of Richmond

Agenda

Public Works and Transportation Committee

Anderson Room, City Hall
6911 No. 3 Road

Wednesday, May 18, 2016
4:00 p.m.

Pg. # ITEM

MINUTES

PWT-4 ***Motion to adopt the minutes of the meeting of the Public Works and Transportation Committee held on April 20, 2016.***

NEXT COMMITTEE MEETING DATE

June 22, 2016, (tentative date) at 4:00 p.m. in the Anderson Room

ENGINEERING AND PUBLIC WORKS DIVISION

1. **INTEGRATED RAINWATER RESOURCE MANAGEMENT STRATEGY**
(File Ref. No. 10-6060-04-01) (REDMS No. 4506764 v. 9; 4999054)

PWT-10 See Page **PWT-10** for full report

Designated Speaker: Lloyd Bie

STAFF RECOMMENDATION

That the "Integrated Rainwater Resource Management Strategy" as attached to the staff report titled "Integrated Rainwater Resource Management Strategy," dated April 29, 2016, from the Director, Engineering be endorsed for the purpose of public consultation.

2. **2015 WATER QUALITY REPORT**
(File Ref. No. 10-6375-01) (REDMS No. 4986542 v. 3)

PWT-34 See Page **PWT-34** for full report

Designated Speaker: Bryan Shepherd

STAFF RECOMMENDATION

That the staff report titled "2015 Annual Water Quality Report" dated April 19, 2016 from the Director, Public Works Operations, be endorsed and made available to the community through the City's website and through various communication tools including social media and as part of community outreach activities.

3. **ALEXANDRA DISTRICT ENERGY UTILITY BYLAW NO. 8641 AMENDMENT BYLAW 9555**
(File Ref. No. 10-6600-10-02) (REDMS No. 4981005 v. 10)

PWT-126 See Page **PWT-126** for full report

Designated Speaker: Alen Postolka

STAFF RECOMMENDATION

That the Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 9555 be introduced and given first, second and third readings.

PLANNING AND DEVELOPMENT DIVISION

4. **ENDORSEMENT OF BIKE RIGHT INITIATIVE**
(File Ref. No. 10-6460-01) (REDMS No. 4984231)

PWT-139

See Page **PWT-139** for full report

Designated Speaker: Victor Wei

STAFF RECOMMENDATION

(1) That the proposed Bike Right Provincial Framework for Cycling Education as outlined in the staff report titled "Endorsement of Bike Right Initiative" dated April 20, 2016 from the Director, Transportation, be endorsed;

(2) That a letter indicating the City's support of the Bike Right Provincial Framework for the Cycling Education Initiative be sent to the Premier of British Columbia and the Ministers of Children & Family Development, Environment, Health, and Transportation & Infrastructure; and

(3) That a copy of above report be forwarded to the Richmond Council-School Board Liaison Committee for information.

5. **MANAGER'S REPORT**

ADJOURNMENT

City of Richmond

Minutes

Public Works and Transportation Committee

Date:	Wednesday, April 20, 2016
Place:	Anderson Room Richmond City Hall
Present:	Councillor Chak Au, Chair Councillor Harold Steves, Vice-Chair Councillor Derek Dang Councillor Ken Johnston Councillor Alexa Loo
Also Present:	Councillor Carol Day
Call to Order:	The Chair called the meeting to order at 4:00 p.m.

MINUTES

It was moved and seconded
That the minutes of the meeting of the Public Works and Transportation Committee held on March 23, 2016, be adopted as circulated.

CARRIED

NEXT COMMITTEE MEETING DATE

May 18, 2016, (tentative date) at 4:00 p.m. in the Anderson Room

PLANNING AND DEVELOPMENT DIVISION

1. **MEMORIAL STREET NAME SIGNS IN RICHMOND**
(File Ref. No. 10-6450-06-04) (REDMS No. 4958772 v. 2)

Victor Wei, Director, Transportation, and Ben Dias, Manager, Roads and Construction Services, presented a mock-up of a proposed memorial street name sign.

The Committee expressed support for the proposed memorial street name sign initiative.

Barbara Williams, President, Friends of the Richmond Archives, thanked the Committee for their support and commented on the need to educate Richmond residents about the persons after which many of Richmond's streets are currently named.

It was moved and seconded
That a proposed program to install memorial street name signs, as described in Option 2 in the staff report titled "Memorial Street Name Signs in Richmond" dated March 24, 2016 from the Director, Transportation, be implemented immediately with funding from the 2016 Council Contingency Fund.

CARRIED

It was moved and seconded
That staff, with assistance from the Friends of the Richmond Archives, compile a list of all the names of the streets in Richmond that were named after pioneers and then find a way to honor these individuals.

CARRIED

ENGINEERING AND PUBLIC WORKS DIVISION

2. **SERVICING AGREEMENT WITH I-FORTUNE**
(File Ref. No. 10-6060-01) (REDMS No. 4971130 v. 2)

In reply to questions from the Committee, Lloyd Bie, Manager, Engineering Planning, confirmed that the servicing agreement is to cover a temporary sanitary pump station that would remain in service until the permanent sanitary sewer is constructed.

It was moved and seconded
That the Chief Administrative Officer and the General Manager, Engineering & Public Works be authorized to finalize and execute a Servicing Agreement between the City and 1004732 B.C. Ltd. (I-Fortune) to construct a sanitary sewer and temporary sanitary pump station within Anderson Road, based on the material terms and conditions set out in the staff report titled "Proposed Servicing Agreement with I-Fortune" dated April 4, 2016 from the Director, Engineering.

CARRIED

3. **GREEN FLEET ACTION PLAN – 2015 PROGRESS REPORT**
(File Ref. No. 02-0780-00) (REDMS No. 4901421 v. 4)

The Committee noted the progress on the Green Fleet Action Plan and suggested that the success of the Green Fleet Action Plan be disseminated to the public to encourage businesses to undertake similar actions.

In response to queries from the Committee, Suzanne Bycraft, Manager, Fleet and Environmental Programs, provided the following information:

- The operation of the car sharing program is currently being evaluated for City vehicles
- The City is currently not meeting the greenhouse gas (GHG) emissions reduction target, however, it is fully expected that the target reduction levels will be met
- The City is considering a pilot program which would present the ability for the City to track vehicle idling time in order to identify opportunities to reduce fuel consumption
- The affordability of electric vehicles is being monitored to determine when it would be financially viable to add more to the fleet.

It was moved and seconded
That the Future Opportunities and Planned Actions, as outlined in the "Green Fleet Action Plan – 2015 Progress Report" from the Director, Public Works Operations dated March 29, 2016, be endorsed.

CARRIED

4. **REPORT 2015: RECYCLING AND SOLID WASTE MANAGEMENT – APPLYING BEST PRACTICES TO ACHIEVE GOALS**
(File Ref. No. 10-6370-01) (REDMS No. 4966642 v. 2)

Suzanne Bycraft, Manager, Fleet and Environmental Programs, confirmed that the Lynas Lane recycling facility is being used by many Richmond residents on a daily basis and is mitigating illegal dumping.

Ms. Bycraft also confirmed that all residents have received their garbage carts and that the garbage cart recycling program has fully launched. Comparative data is being collected that will measure the effectiveness of the program. The "Let's Recycle" app is available to residents and will send a reminder alerting them to the types of collection occurring the next day.

Committee suggested the idea of implementing an exchange program, as done in other municipalities, identified as a "Spring Cleanup Day" in which residents would bring items to exchange. Staff were requested to conduct a survey of large item collection programs offered by other municipalities and report back to the Committee.

It was moved and seconded
That the annual report titled, "Report 2015: Recycling and Solid Waste Management – Applying Best Practices to Achieve Goals" dated March 30, 2016, from the Director, Public Works Operations, be endorsed and made available to the community through the City's website and through various communication tools including social media channels and as part of community outreach initiatives.

CARRIED

5. **MANAGER'S REPORT**

(i) Steveston Bus Exchange

Victor Wei, Director, Transportation, reported that there are typically a large number of buses parked on the north side of Chatham Street. To address the issues created by the parked buses, TransLink has committed to pursuing a permanent solution through the creation of a Steveston Bus Exchange when funding for the Mayors' Council's 10-Year Plan is secured.

The Committee advised that the public has expressed concern about the visibility and safety impacts of having a large number of buses parked on Chatham Street and suggested that TransLink be requested to amend the bus schedule or to move the location where buses are parked. Mr. Wei advised that the current bus schedule is intended to serve the needs of Richmond residents and that there are labour contract issues which need to be taken into consideration prior to finding a solution.

The Committee suggested that the City write to TransLink to request that the construction of the Steveston Bus Exchange be moved to the first few years of the 10-Year Plan – Mr. Wei noted that it is premature to pursue this course of action. In the meantime, staff will meet with TransLink to discuss alternatives.

(ii) Southwest Area Transit Plan

Victor Wei, Director, Transportation, advised that consultation on the Southwest Area Transit Plan is in progress by TransLink. TransLink is holding forum at 4:00 p.m. on April 27, 2016 for elected officials from Delta, Richmond and Tsawwasssen First Nation.

(iii) Steveston Outdoor Pool

John Irving, Director, Engineering, advised of the failure of the fibreglass lining of Steveston Outdoor Pool which will result in the delayed opening. The solution is being explored and staff will provide further information on the anticipated opening date when further information is available.

(iv) YVR Jet Fuel Facility

John Irving, Director, Engineering, reported that the BC Environmental Assessment Office (BCEAO) has formally accepted the amendment application from the Vancouver Airport Fuel Facilities Corporation to realign the jet fuel pipeline and to increase the size of the pipe.

Staff responded to questions from the Committee with respect to:

- The opportunity for the City to express concerns regarding the marine component of the jet fuel storage facility
- Whether the approval of the federal government is required prior to construction of the jet fuel storage facility on a navigable waterway
- The status of the approval process for the jet fuel storage facility
- The fire protection and security required for the jet fuel storage facility
- The recommendation to seek the federal government's input on the risk to terrorism threats as a result of the proximity of a jet fuel facility, liquefied natural gas (LNG) facility and coal port in close proximity to each other in residential areas.

(iv) ***Capital Projects Open House***

John Irving, Director, Engineering, advised that there has been significant public interest in the Capital Projects Open House. City staff are available to respond to any questions and provide further information on the highlighted projects presented on the display boards.

(iv) ***Recycled Houses***

The Committee suggested that the City support the initiative to recycle older homes for use in communities such as Friday Harbour, San Juan Island. Robert Gonzalez, General Manager, Public Works and Transportation, commented that the volume of homes in Richmond available for recycling greatly exceeds the number in other cities and support for the initiative would be more complex than perceived.

ADJOURNMENT

It was moved and seconded
That the meeting adjourn (4:55 p.m.).

CARRIED

Certified a true and correct copy of the Minutes of the meeting of the Public Works and Transportation Committee of the Council of the City of Richmond held on Wednesday, April 20, 2016.

Councillor Chak Au
Chair

Shaun Divecha
Legislative Services Coordinator

City of Richmond

Report to Committee

To:	Public Works and Transportation Committee	**Date:**	April 29, 2016
From:	John Irving, P.Eng. MPA Director, Engineering	**File:**	10-6060-04-01/2015-Vol 01
Re:	**Integrated Rainwater Resource Management Strategy**		

Staff Recommendation

That the "Integrated Rainwater Resource Management Strategy" as attached to the staff report titled "Integrated Rainwater Resource Management Strategy," dated April 29, 2016, from the Director, Engineering be endorsed for the purpose of public consultation.

John Irving, P.Eng. MPA
Director, Engineering
(604-276-4140)

Att. 1

REPORT CONCURRENCE		
ROUTED TO:	**CONCURRENCE**	**CONCURRENCE OF GENERAL MANAGER**
Sewerage & Drainage Policy Planning	☑ ☑	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	**INITIALS:** DW	**APPROVED BY CAO**

Staff Report

Origin

Municipal Commitment 3.4.7 of Metro Vancouver's May 2010 Integrated Liquid Waste Resource Management Plan (ILWRMP) commits member municipalities to:

Develop and implement integrated stormwater management plans at the watershed scale that integrate with land use to manage rainwater runoff.

Richmond's integrated stormwater management plan is titled the *Integrated Rainwater Resource Management Strategy* (IRRMS) and is presented to Council as Attachment 1. The strategy supports the Council Term Goals of demonstrating Leadership in Sustainability and providing Quality Infrastructure Needs. The purpose of this report is to present the IRRMS and a recommended public stakeholder consultation process.

Analysis

As required by Metro Vancouver under its ILWRMP, the integrated stormwater management plan primarily aims to minimize the negative impacts of manmade drainage systems on traditional watersheds with fish bearing creeks (e.g. bank erosion during storms and reduced flows during dry periods) and complex topography. As a floodplain municipality with soft soils and ground water close to surface, the City of Richmond has unique stormwater management issues, and as such developed an IRRMS with four main goals:

1. Minimize the impacts of future development and redevelopment;
2. Reduce potable water use;
3. Address existing and future sedimentation issues; and
4. Support the City's Ecological Network.

To meet the IRRMS's four main goals, the strategy includes four key strategies:

1. Strategic detention of water;
2. Water quality treatment and sediment control;
3. Rainwater harvesting and reuse; and
4. Protect, enhance and build green infrastructure.

Strategic Detention of Water

The City of Richmond's population is projected to grow substantially in the next 30 years. The extent of impervious land in West Richmond's urban areas is predicted to increase due to the projected growth identified in the City's Official Community Plan. This increase will primarily occur through the redevelopment of single-family homes that will increase the volume of stormwater runoff for this land use. Current planning and capital improvements such as pump station upgrades are designed to address these increases. Implementation of measures identified in the IRRMS could potentially allow deferral or elimination of some capital projects and/or improved system performance.

The strategy promotes strategic implementation of water detention measures, such as storage ponds, that have additional benefits for the City such as water reuse and ecological and aesthetic value. These storage features have increasing effectiveness the further they can be located inland from the dike. Examples of existing storage detention facilities include the pond in Garden City Community Park and the pond in the Fantasy Gardens development.

Water courses and ditches provide greater storage capacity than buried box culverts and pipelines. The IRRMS considers daylighting strategies to convert existing enclosed drainage systems to open water courses as a means to provide detention as well as ecological value.

The strategy also encourages stormwater detention on private property, particularly where it can be utilized for irrigation or other water reuse features.

Water Quality Treatment and Sediment Control

Sediment from construction activity is an issue in the City's stormwater collection system. The IRRMS promotes an initiative to strengthen and enforce erosion and sediment control requirements for construction activities. The program will review best management practices for application in Richmond with specific controls for preload activities.

The IRRMS promotes the implementation of bank protection works for areas of watercourses that are vulnerable to sloughing.

The strategy also encourages water quality improvement for runoff from impervious areas, such as driveways, to mitigate the migration of pollutants. Strategies for improving water quality include absorbent landscaping, rain gardens and oil-grit separators.

Rainwater Harvesting and Reuse

The IRRMS reviewed the potential to utilize rainwater for toilet flushing and irrigation, as a substitute for using drinking water.

The strategy includes an initiative to address barriers to implementing indoor rainwater reuse for non-potable uses, such as toilet flushing. There are a number of codes and bylaws that were written without considering rainwater reuse, thereby impeding their implementation. These codes and bylaws require review and, ultimately, amendment to allow indoor rainwater reuse. The strategy also includes an education initiative to improve public knowledge and acceptance of rainwater reuse practices.

Parks and conservation lands provide opportunity for various City departments, developers and community groups to collaborate on water reuse projects. For example, the stormwater pond on the Fantasy Gardens site is utilized for irrigation needs at a community garden.

Protect, Enhance and Build Green Infrastructure

They City of Richmond's Ecological Network Management Strategy is an interconnected system of natural areas that make up Richmond's distinctive landscape and provides essential ecosystem services such as water storage and filtration. It is composed of both terrestrial and marine (shoreline and intertidal) areas and includes prominent natural areas such as Richmond Nature Park, Sturgeon Bank and South Arm Wildlife Management Areas as well as larger urban parks, shorelines of the Fraser River, watercourses and riparian areas. The strategy describes Richmond's Ecological Network and recommends goals, strategies, and actions for conserving and restoring its ecological and economic values. The IRRMS seeks to address many of the challenges that the Ecological Network Management Strategy seeks to address, including water and habitat quality, impervious surfaces, bank erosion and slumping, and enhancement of green infrastructure to increase ecosystem services.

Richmond's inland watercourses flow year-round, are fed with a significant source of groundwater that mixes with slow-moving surface water, and flow into the Fraser River. Richmond's water quality is typified by low dissolved oxygen levels, elevated temperatures and elevated levels for particular metals. These conditions are related to the lack of vegetation buffering the open storm water system as well as the low gradient drainage network and naturally oxygen depleted groundwater. Richmond's Ecological Network is comprised of 119 kilometers of designated Riparian Management Areas with 5 and 15 meter setback requirements. Though background water quality conditions are generally inhospitable to salmon and trout, the Riparian Management Area network is protected under the Provincial Riparian Areas Regulation, draining into the Fraser River, one of the most productive salmon rivers in North America. Richmond's landscape is dominated by foreshore and inland wetlands. As a key constituent of the Ecological Network, these wetlands provide important ecosystem services for regulation of storm water, sediment trapping, temperature regulation and water quality improvements. The following list highlights a suite of green infrastructure options presented in the IRRMS:

- Support the use of public lands such as parks for the creation of green infrastructure
- Encourage the green infrastructure principles in the development process
- Develop new legislative tools to protect and enforce protection of the City's Riparian Management Areas in accordance with the Provincial Riparian Areas Regulation, and to better support riparian areas management and restoration
- Increase the use of rain gardens and small wetlands to filter and detain runoff from roads and parking areas

The IRRMS also introduces a framework for identifying areas where daylighting enclosed drainage systems has a high return on investment through provision of drainage services, ecosystem services and community amenities. Daylighting opportunities will be identified through assessments of daylighting benefits and triggers. Staff will identify and review potential daylighting projects and proposed green infrastructure options for future inclusion in capital plans and service agreements for Council's consideration.

Public and Stakeholder Consultation

Staff propose that the IRRMS public and stakeholder consultation process include the following:

- Digital Engagement: Let's Talk Richmond interactive discussion forum and survey
- Urban Development Institute and Small Builders: Presentation to the development community through these groups
- Association for Consultancy and Engineering: Presentation to the Association for Consultancy and Engineering and other interested associations or committees

Through the public and stakeholder consultation process, staff will present the IRRMS and receive feedback on the initiatives identified in the report. Feedback will be utilized by staff to modify and prioritize recommendations, which will ultimately be presented to Council in future capital plans and service agreements.

Financial Impact

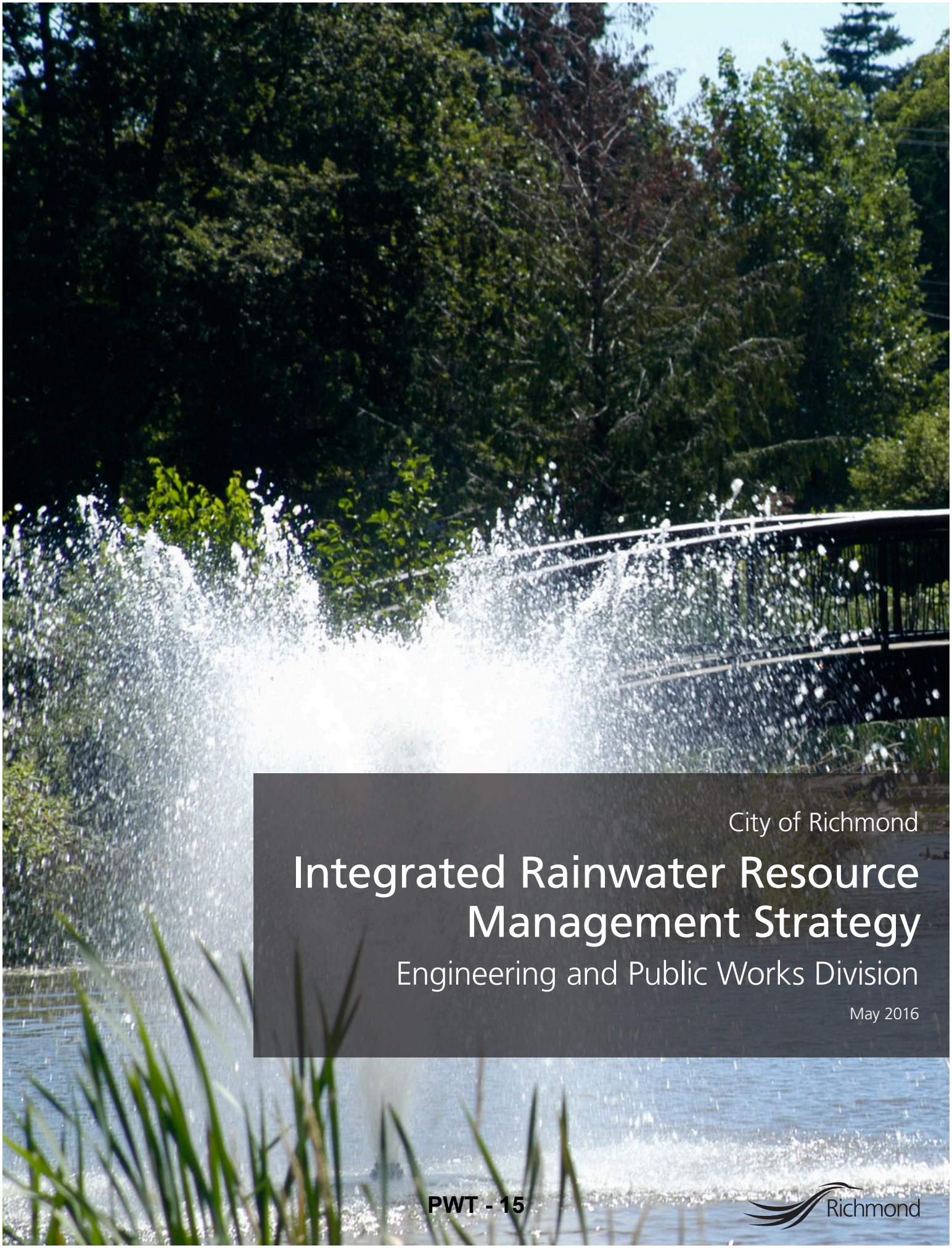
None.

Conclusion

The IRRMS identifies a tool kit for utilizing stormwater as a resource, reducing the impact of development on stormwater flows, and reducing the impact of development on stormwater quality. The recently adopted Ecological Network Management Strategy provides complementary context and principles for improvements to green infrastructure as presented in the IRRMS. The IRRMS also fulfills Richmond's obligation in Metro Vancouver's Integrated Liquid Waste Resource Management Plan to develop an Integrated Stormwater Management Plan. The plan includes a number of initiatives and strategies that will be further reviewed by staff (incorporating stakeholder and public input) which will result in projects that will ultimately be presented to Council in future capital plans and service agreements.

Lloyd Bie, P.Eng.
Manager, Engineering Planning
(604-276-4075)

Att. 1: Integrated Rainwater Resource Management Strategy



City of Richmond

Integrated Rainwater Resource Management Strategy

Engineering and Public Works Division

May 2016

PWT - 15

Richmond

Table of Contents

PWT - 18

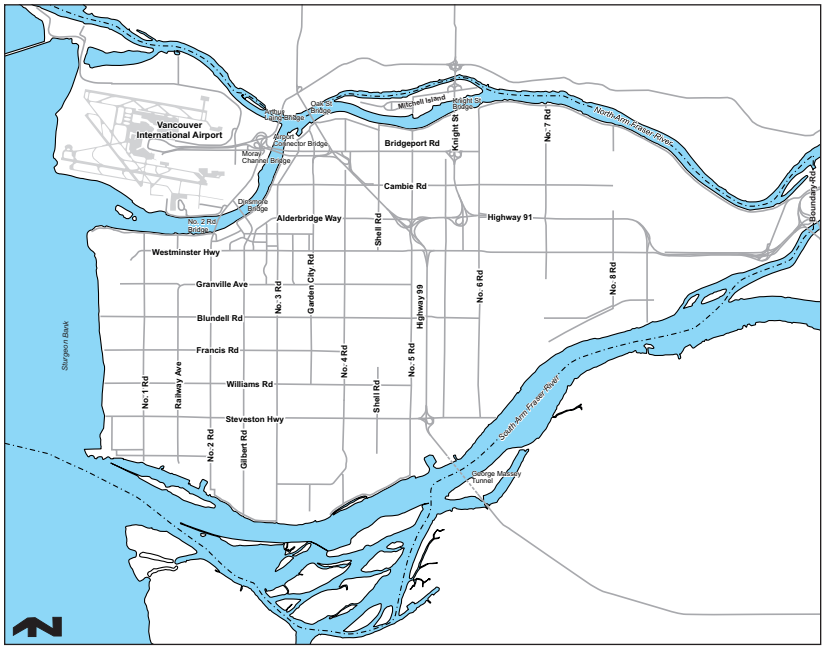
Introduction

Geographic Context

The City of is comprised of a series of islands in the delta of the Fraser River, with the majority of the land mass located on Lulu Island. Early settlers built dikes and drained the land to farm. Today, agriculture remains and important part of Richmond's economy and character. While West Richmond is predominantly urban, East Richmond is considered to be rural and agricultural.

Lulu Island is characterized by a relatively flat topography with an average elevation of one meter above sea level. Since much of the island is below the elevation of high tide, the perimeter of the island has been diked to prevent flooding. Stormwater runoff is either drained by gravity during low tides, or pumped out of the City during high tides.

The island forms a single watershed with carefully engineered drainage catchments that include channelized watercourses, sloughs and ditches that serve drainage, irrigation and habitat functions. The peat bog substrate, high water table and limited gradient typical of flood plain ecosystems result in slow flowing watershed drainage and water that has elevated temperatures, low dissolved oxygen, and high dissolved iron and other metals when compared to traditional watersheds. The City's inland watercourses are generally considered to be not hospitable to andromous fish species, but do however, flow into and support and abundance of fish life in the receiving waters of the Fraser River Estuary.



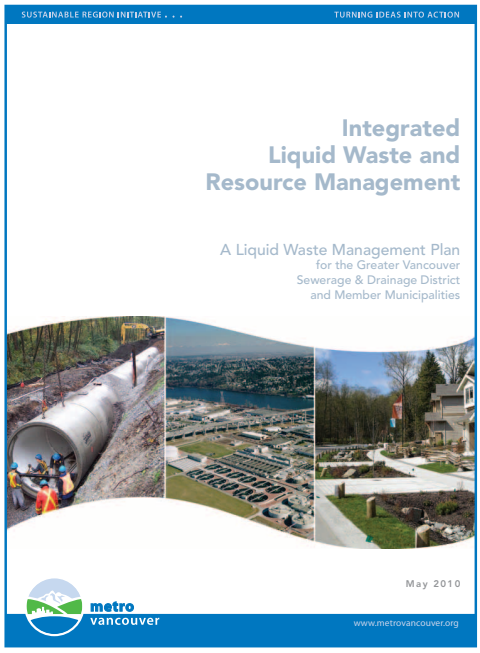
Richmond's Needs for Stormwater Management

Growth: The City of Richmond's population is projected to grow substantially in the next 30 years, as described in the City's *2041 Official Community Plan Update*. Significant development activities anticipated within Richmond result in the following consequences that are addressed through rainwater management in the City:

- Additional **demands on the City's drainage infrastructure** due to increased stormwater runoff from increases in impervious land area.
- **Reduced storage capacity** due to the replacement of roadside ditches and watercourses with pipes or culverts.
- **Increased maintenance demands** for the City's stormwater system due to increased sediment from construction sites and increased road runoff.
- **Impacts to the ecological health** of receiving water bodies due to a proportional increase in pollutant load.

Topographic and Water Quality Challenges: Richmond's distinct topography creates the following unique challenges and opportunities that guide the development of our *Integrated Rainwater Resource Management Strategy*:

- Low gradients in Richmond's gravity drainage system results in slow conveyance, increased temperatures, and lower levels of dissolved oxygen when compared to traditional watersheds.
- A naturally high water table limits the capacity to infiltrate rainwater.
- Richmond's peat bog substrates contribute to naturally occurring dissolved iron and other metals to water and the inland watercourses are generally considered to be inhospitable to anadromous fish species.



Richmond's *Integrated Rainwater Resource Management Strategy* provides a strategic approach to address Richmond's unique stormwater management issues and needs. This results in an approach that differs from many other municipalities. The strategy aims to protect and enhance the City's stormwater conveyance infrastructure and ecological assets under more frequent rainfall events, and considers rainwater as a resource to be utilized.

Regulatory Context

As a member of the Greater Vancouver Sewerage and Drainage District, the City of Richmond is committed to the stormwater management requirements set out in the *2010 Metro Vancouver Integrated Liquid Waste Resource Management Plan* and the terms of the *Minister of Environment's Letter of Acceptance (2011)*. Specifically, the plan commits member municipalities to:

- Develop and implement integrated stormwater management plans that integrate with land use to manage rainwater runoff.

- Update municipal bylaws and utility design standards to meet the criteria set out in the integrated stormwater management plan and enable and encourage on-site rainwater management.
- Develop a program to monitor stormwater, assess and report the implementation and the effectiveness of the integrated stormwater management plan.

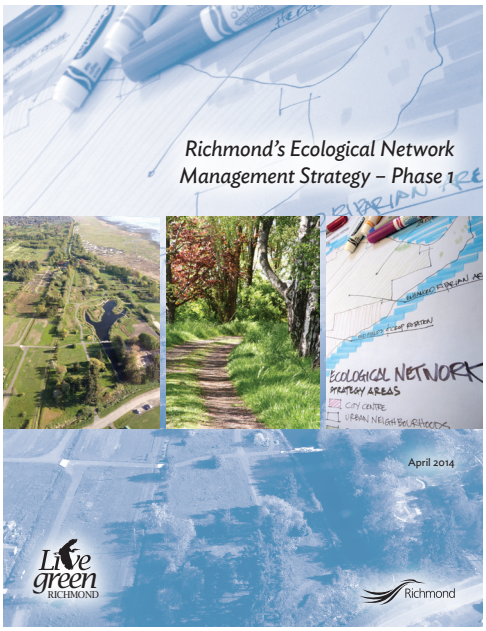
Richmond's *Integrated Rainwater Resource Management Strategy* aims to fulfill requirements of the *Integrated Liquid Waste Resource Management Plan* for stormwater management.

In addition, 119 km of Richmond's 223 km of open waterways are designated Riparian Management Area protected under the provincial *Riparian Area Regulation* and the *Federal Fisheries Act* as they flow into and support fish life in the Fraser River. The new provincial *Water Sustainability Act* also applies to the City's drainage infrastructure. This *Integrated Rainwater Resource Management Strategy* will work to address requirements of these provincial regulations.

Municipal Strategic Context

The *Integrated Rainwater Resource Management Strategy* supports and is congruent with the mandates of several Richmond policies, plans and objectives, including the:

- **2041 Official Community Plan (OCP)**, updated in 2012 forms the City's framework in establishing the City's social, economic, land use, urban design, servicing, transportation and environmental future. The Plan anticipates the City's population to grow by 80,000 people by 2041 and mandates that the City's infrastructure be maintained and improved upon to meet growing needs. The *Integrated Rainwater Resource Management Strategy* aims to address these needs.
- **2008-2031 Flood Protection Strategy**, adopted by Council in 2008, provides an integrated flood protection framework to minimize flooding and its impacts. While the objectives of the strategies differ, recommendations in the Flood Protection Strategy overlap with those of the *Integrated Rainwater Resource Management Strategy*. Overlapping strategies include the utilization of stormwater retention and detention, strategic raising of land levels through development, and establishment of a Floodplain Bylaw.
- **East Richmond Agricultural Water Supply Study (2006)** and **East Richmond Agricultural Water Supply Update (2013)**, provides a strategy for improving the drainage system in East Richmond to address flood protection and irrigation needs for agricultural lands. As rainwater management strategies within East Richmond's agricultural lands are addressed in the *East Richmond Agricultural Water Supply Study* and its update, the *Integrated Rainwater Resource Management Strategy* will aim to complement that, with a greater focus placed on land uses within West Richmond.



- **Ecological Network Management Strategy (ENMS)**, adopted by Council in 2015, identifies and describes Richmond's Ecological Network and recommends goals, strategies, and actions for protecting, enhancing and connecting natural lands within the City. The strategy addresses similar issues to the *Integrated Rainwater Resource Strategy* including water and habitat quality, impervious surfaces, riparian habitat issues such as bank erosion and green infrastructure enhancement opportunities to increase ecosystem services.
- **Riparian Response Strategy (RRS)** protects Riparian Management Areas that form part of the City's Ecological Network. The strategy, adopted by Council in 2006 identifies 5 m and 15 m riparian setbacks on minor and major watercourses that flow into and support fish life in the Fraser River. The RRS is the City's response to the *Provincial Riparian Area Regulation* (RAR) to protect habitat from industrial, commercial and residential development. Following a Provincial Ombudsperson review of local government's RAR implementation methods in 2012, the City is working with the Province to implement new legislated protection and enhancement measures that is compliant with the directive. The Provincial RAR applies to the City's inland watercourses, but not the foreshore of the Fraser River. The Fraser River foreshore is also part of the City's Ecological Network and is designated Environmentally Sensitive Area in the City's OCP protected under development permit.

Goals

The development of Richmond's *Integrated Rainwater Resource Management Strategy* is guided by four primary goals:

1. To **minimize impacts of future development and redevelopment** on drainage infrastructure and ecological health of receiving water bodies;
2. To **reduce potable water use** consistent with Richmond's sustainability goals;
3. To **address existing and future sedimentation issues** and the associated impacts on the conveyance system; and
4. To **support the City's Ecological Network** through enhancement of green infrastructure.

Strategies

A series of key strategies have been developed to address Richmond's stormwater management needs:

1. Strategic detention of stormwater.
2. Water quality treatment and sediment control.
3. Rainwater harvesting and re-use.
4. Protect, enhance and build green infrastructure.

Management Strategies

Strategy #1: Strategic Detention of Stormwater

IRRMS Goal:

#1: Minimize impacts of future development and redevelopment

As a result of Richmond's growth and ongoing development activities, impervious area in West Richmond is projected to increase. This leads to an escalation in water runoff volumes during major storm events and capacity demands on the City's drainage infrastructure.

The strategy proposes to utilize stormwater detention as a means to reduce excess runoff and consequently minimize or eliminate the need for potential drainage capacity upgrades.

Select Initiatives and Outcomes:

- **Strategic implementation of water detention measures.** Because of the City's low hydraulic grade line, stormwater detention is most effective for developments located near the central areas of the island. The City will pursue opportunities for detention in conjunction with other strategic benefits such as rainwater re-use and ecological and aesthetic enhancements. Applications of detention facilities in the Fantasy Gardens Development and Garden City Community Park set precedence for ongoing collaboration between the City, developers and community groups to incorporate rainwater detention to create innovative and mutually beneficial rainwater management schemes.
- **Increase storage capacity in the City's drainage conveyance system.** Open watercourse and ditches provide greater storage capacity than an enclosed pipe system. The City will continue to preserve open watercourses and is considering daylighting strategies to convert existing drainage pipes to open watercourses as a means to provide detention as well as ecological values.
- **Encourage stormwater detention on private properties** through development and provide guidance and support for voluntary implementation. Examples of potential detention measures include green roofs and rain gardens.

Implementation of rain gardens and rock trenches for detention on private properties.

Application Examples

Fantasy Gardens Development: The multi-family development constructed at Fantasy Gardens located at the corner of Steveston Highway and No. 5 Road successfully utilizes a pond to service as a stormwater detention facility as well as a means for rainwater re-use. The pond, located within a City park, was incorporated with the goal of reducing runoff volume to eliminate the need for downstream infrastructure upgrades. Water in the pond is then treated and pumped into an adjacent community garden area for use to water vegetation in the garden plots.

Garden City Community Park: The Garden City Community Park incorporates a central pond, wetland and swale network that serves as a stormwater detention area during heavy rainfall events. The central pond, together with surrounding trails and a pedestrian bridge, forms a main feature in the park and provides users with a highly liveable and beautiful environment.

Strategy #2: Water Quality Treatment and Sediment Control

IRRMS Goals:

#1: Minimize impacts of future development and redevelopment

#3: Address existing and future sedimentation issues

Sediment Control

Ongoing development activities place additional sediment demands on the City's stormwater infrastructure. Primary sources of sediment demands include construction activities such as sand preloading, the filling of sites to meet flood protection levels and vehicular runoff from additional impervious areas introduced through development.

Sediments are introduced to watercourse and storm sewers during significant rain events, leading to increased maintenance demands for Richmond's watercourses and sewers, and impacts downstream ecology, including the Fraser River.

Sediment and erosion management is important as it allows for future development and redevelopment while protecting environmental values and existing infrastructure.

Select Initiatives and Outcomes:

- **Strengthen and enforce erosion and sediment control requirements** for construction activities. Consider the development of a specific Erosion and Sediment Control Program that includes a bylaw with regulatory requirements. The program should address erosion and sediment control expectations, acceptable Best Management Practices, sampling and reporting requirements for construction sites and specific controls for preload activities.
- **Enhance riparian vegetation and implement bank protection works** for areas of watercourses vulnerable to sloughing.
- **Encourage water quality improvement** for runoff from impervious areas to mitigate the migration of pollutants into the drainage network. Strategies for improving water quality for specific land uses include:
  - Single-family residential: Pollutant removal through absorbent landscaping or rain gardens.
  - Multi-family residential, Industrial, Commercial and Institutional: Pollutant removal through absorbent landscaping, rain gardens or manufactured oil-grit separators.
  - Parks and Conservation Lands: Pollutant removal through absorbent landscaping or rain gardens.

Additional sediment demands are introduced construction activities and increasing impervious areas.

Water Quality Treatment and Monitoring

The BC Minister of Environment's approval of Metro Vancouver's *Integrated Liquid Waste Resource Management Plan* requires that municipalities monitor stormwater to assess and report on the effectiveness of the stormwater management plan implementation. To fulfill this provincial requirement, Metro Vancouver developed a *Monitoring and Adaptive Management Framework* (MAMF) with recommended parameters to monitor watershed health and assess the effectiveness of stormwater management throughout the region.

Due to Richmond's unique water quality conditions, the recommended MAMF parameters do not adequately reflect the effectiveness of Richmond's stormwater management plan. Under pre-development conditions, naturally occurring water quality parameters may exceed the water quality guidelines due to slow conveyance and natural soil conditions, and it is not the intent of the *Integrated Rainwater Resource Management Strategy* to alter naturally occurring conditions. As such, Richmond **will pursue a modified MAMF to guide water quality monitoring** for development activities within Richmond. Monitoring and reporting may include the following parameters:

- Physical: pH, dissolved oxygen.
- Sediment: Total suspended sediment, turbidity.
- Nutrients: Nitrate.
- Microbiological indicators: E. coli, fecal coliforms.
- Metals: Total copper, total lead, total zinc, total cadmium, total dissolved iron.
- Flow monitoring: MAD, TQ Mean, Low Pulse Count, Low Pulse Duration, Summer Baseflow, Winter Baseflow, High Pulse Count, and High Pulse Duration.

Monitoring should be undertaken on Richmond's larger watercourses, near pump station or other locations that capture the majority of catchment flow.

Strategy #3: Rainwater Harvesting and Re-use

IRRMS Goals:

#1: Minimize impacts of future development and redevelopment

#2: Reduce potable water use

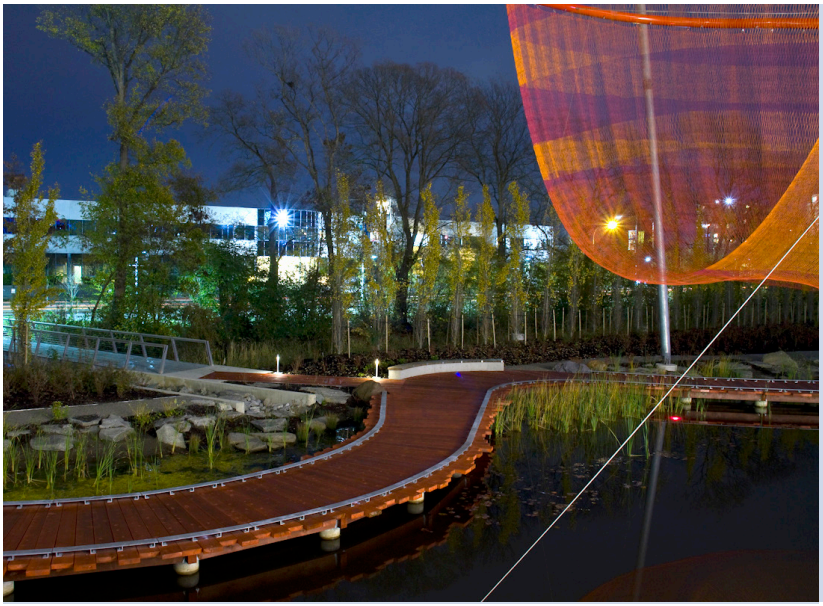
Rainwater harvesting and re-use strategies utilizes water as a resource and offer the two-fold benefit of reducing stormwater runoff volumes as well as potable water consumption. It is a key aspect in addressing the "resource" component of the *Integrated Rainwater Resource Management Strategy*.

Rainwater, primarily from building roofs, can be collected, stored, and treated as required depending on its intended application. Primary applications for rainwater re-use include indoor use for toilet flushing and outdoor use for irrigation and vehicle washing. Richmond currently utilizes potable water for these applications.

Select Initiatives and Outcomes:

- **Address barriers to implementation** for the utilization of harvested rainwater for indoor, non-potable uses such as toilet flushing. The City will review internal and external guidelines and work to enable rainwater re-use for a wider range of applications.
- **Explore further opportunities to incorporate rainwater re-use strategies in parks and conservation lands** through continued ongoing collaborations between the City of Richmond Engineering, Parks and Sustainability departments, as well as developers and community groups.
- **Provide education and support** to improve public knowledge and acceptance of rainwater re-use practices.
- **Monitor the prevalence of re-use technologies inside and outside Richmond.** The price of potable water is currently $\$1.26/m^3$. Potable water-use thresholds for economical benefits of rainwater re-use strategy applications in residential, industrial and commercial applications are as follows:
  - Single-family residential: $\$4/m^3$
  - Multi-family residential (medium- to high-density developments): $\$3/m^3$
  - Office (medium- to high-density developments): $\$2/m^3$

Application Examples



Water Sky Garden at the Richmond Olympic Oval: The Water Sky Garden at the Richmond Olympic Oval contains a wetland treatment pond which serves as a component of a public art piece and provides runoff detention as well as stormwater re-use. Rainwater from the Olympic Oval's two-hectare roof is drained into the pond, where it is treated by vegetation and aerated through a fountain. The harvested and treated water is used for toilet flushing in the Oval and irrigation of plants in the surrounding space.

Fantasy Gardens Development: The multi-family development constructed at Fantasy Gardens located at the corner of Steveston Highway and No. 5 Road utilizes a stormwater detention pond for the re-use of stormwater. Water in the pond is collected, treated, and pumped into an adjacent community garden area for use to water vegetation in the garden plots.

Rain Barrel Program: In 2005, the City of Richmond implemented the rain barrel program aimed at encouraging residential water conservation. The program invites Richmond residents to purchase rain barrels from the City at a subsidized rate. Rain barrels are used by residents to collect and store water for outdoor usage such as watering gardens and washing vehicles. As of January 1, 2016, the City has sold 1,247 barrels to Richmond's residents.

Strategy #4: Protect, Enhance and Build Green Infrastructure

IRRMS Goal:
#4: Support the City's Ecological Network

Green infrastructure encompasses the components of the natural and built environment that provide ecosystem services such as drainage, water filtration, green space and wildlife habitat. The development of these green infrastructures for stormwater management purposes opens opportunities to enhance watercourse habitat and provide other ecosystem services.

This strategy aims to support Richmond's *Ecological Network Management Strategy* through the protection and enhancement of green infrastructure including watercourses, riparian areas and wetlands.

Typical watercourse conditions in Richmond's RMAs.

Select Initiatives and Outcomes:

- Improvement of watercourse health through restoration and enhancement of riparian areas.
- Creation of wildlife habitat values and temperature mitigation services (ecosystem services) through the creation or restoration of wetlands for the retention, detention and treatment of runoff.
- Improvement of ecosystem services through green infrastructure projects such as rain gardens and green roofs.
- Enhancement of the Ecological Network's connectivity and maximization of ecosystem services through the protection, enhancement and connectivity of natural lands including the daylighting of watercourses.

Daylighting Strategy

A key component of the strategy involves the daylighting, or exposing, of previously covered waterways or stormwater drains. Daylighting of watercourses re-introduces ecosystem services to a catchment, which serve to improve water and habitat quality, flood mitigation and conveyance, provide community amenities and connecting existing isolated ecological lands.

Daylighting opportunities will be identified through assessment of daylighting benefits and triggers.

Implementation Plan

The implementation plan outlines recommended actions and corresponding target implementation timeframes for each strategy. Timeframes for the implementation plan are defined as follows:

- Short-term: 1-2 years
- Medium-term: 3-5 years
- Long-term: 5+ years
- Ongoing: Initiatives the City is currently undertaking and will continue to undertake

The implementation plan will be subject to annual review to measure progress towards achieving the strategy's outcomes. The plan will be updated as required to address and incorporate emerging needs and priorities, new science, information, techniques and best practices.

Strategy	Action	Timeframe
Strategy #1 Strategic Detention of Stormwater	1. Update the City of Richmond's Engineering and Design Specifications Manual to include recommendations on the design of rock trenches and rain gardens.	Short-term
	2. Update policies to provide more clarity regarding requirements for rainwater management and lot coverage for landscaping.	Short-term
	3. Work with external agencies such as Metro Vancouver and other municipalities in developing and promoting the implementation of stormwater detention facilities.	Ongoing
	4. Continue to collaborate with Parks, Sustainability and other City departments in implementing stormwater detention facilities in parks and other special projects.	Ongoing
Strategy #2 Water Quality Treatment and Sediment Control	Undertake an internal review to develop an effective and comprehensive Erosion and Sediment Control program.	Short-term
	Update the City of Richmond's Pollution Prevention and Clean-up Bylaw No. 8475 and Engineering and Design Specification Manual to include the following: • Details on erosion and sediment control measures that should be implemented for construction projects, including site monitoring and reporting requirements. • Inspection and enforcement for sediment control and erosion management in non-ALR areas.	Short-term
	Collaborate with Metro Vancouver to establish a modified MAMF specific for Richmond to guide water quality monitoring.	Short-term
	Collaborate between the City of Richmond's Engineering, Sustainability and Operations departments to identify areas of watercourses vulnerable to sloughing for implementation of bank protection works.	Short-term
	Evaluate the need to establish Total Suspended Solids (TSS) removal criteria to address road runoff.	Medium-term

Strategy	Action	Timeframe
Strategy #2 Water Quality Treatment and Sediment Control (con't)	Evaluate the effectiveness of this strategy through periodic monitoring according to modified MAMF guidelines specific for Richmond.	Long-term
	Monitor annual sediment removal volumes by municipal maintenance crews. Review and evaluate the effectiveness of existing Erosion and Sediment Control policies on a 5-year basis.	Long-term
	Monitor contractor compliance with Erosion and Sediment Control requirements and consider the implementation of additional measures to improve compliance.	Long-term
Strategy #3 Rainwater Harvesting and Re-use	Monitor the implementation and success of water re-use technologies inside and outside Richmond.	Ongoing
	Education to eliminate public unfamiliarity with rainwater re-use practices, with a target towards homeowners, regulatory staff, contractors, designers and trades.	Ongoing
	Complete pilot studies to obtain information on actual costs and potable water use reductions for residential and ICI applications.	Short-term
	Implement rainwater re-use for medium- and high-density office developments for toilet fixture applications.	Medium-term
	Update the Drainage, Dyke and Sanitary Sewer System Bylaw No. 7551 to allow rainwater re-use as an alternative to collection and conveyance of all surface drainage to the municipal stormwater sewer system.	Medium-term
	Work with external agencies to: • Remove regulatory barriers that limit re-use applications. • Establish water quality treatment and local Health Authority approval requirements to address various re-use applications. • Develop regulations, guidelines and established practices for rainwater harvesting.	Medium-term
	Monitor changes in the price of water.	Long-term

Strategy	Action	Timeframe
Strategy #4 Protect, Enhance and Build Green Infrastructure	Update the City's Riparian Response Strategy to meet Provincial requirements for compliance with the Riparian Area Regulation.	Short-term
	Incorporate projects and opportunities identified through the Daylighting Strategy in the City's drainage capital planning process and through collaboration with the development community.	Short-term
	Update the criteria for the City of Richmond's Protection of Environmentally Sensitive Areas document to include best management practices for managing and enhancing habitat as part of rainwater management.	Short-term
	Identify and map opportunities for wetland creation in parks and other public land and develop guidelines for the use of parks and other public lands for rainwater management, habitat enhancement, and other green infrastructure projects to be incorporated into the Parks and Open Space Strategy.	Medium-term
	Collaborate on the development of an Erosion and Sediment Control program to address water quality in watercourses.	Medium-term
	Support invasive species management activities under the direction of the Invasive Species Action Plan to improve watercourse health and reduce long-term maintenance cost.	Ongoing

City of Richmond

Report to Committee

To:	Public Works and Transportation Committee	**Date:**	April 19, 2016
From:	Tom Stewart, AScT. Director, Public Works Operations	**File:**	10-6375-01/2016-Vol 01
Re:	**2015 Annual Water Quality Report**		

Staff Recommendation

That the staff report titled "2015 Annual Water Quality Report" dated April 19, 2016 from the Director, Public Works Operations, be endorsed and made available to the community through the City's website and through various communication tools including social media and as part of community outreach activities.

Tom Stewart, AScT.
Director, Public Works Operations
(604-233-3301)

Att. 2

REPORT CONCURRENCE	
CONCURRENCE OF GENERAL MANAGER	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	INITIALS: DW
APPROVED BY CAO	

Staff Report

Origin

In 2001, the Province of British Columbia enacted the Drinking Water Protection Act, which provided the Minister of Health with the authority to implement and enforce standards for water supply systems in British Columbia. In May 2003, regulations to be implemented under the Drinking Water Protection Act were adopted by the legislature as the Drinking Water Protection Regulation. These Acts were updated on April 29, 2014 under Bill 18 – 2014: the Water Sustainability Act.

This report presents the City's "2015 Annual Water Quality Report" (Attachment 1), which enables the City to meet its obligations for public reporting to comply with applicable requirements in accordance with these regulations. A summary of the 2015 Annual Water Quality Report is also presented as Attachment 2.

This report supports Council's 2014-2018 Term Goal #6 Quality Infrastructure Networks:

6.1. Safe and sustainable infrastructure.

This report supports Council's 2014-2018 Term Goal #9 A Well-Informed Citizenry:

9.1. Understandable, timely, easily accessible public communication.

Analysis

The Drinking Water Protection Regulation requires water purveyors in BC to possess an operating permit, which confirms the Drinking Water Officer for the area has approved the water supply. The Drinking Water Officer is given the authority to monitor water purveyors to ensure they are providing safe drinking water through compliance with the British Columbia Drinking Water Protection Regulation, and any other conditions of the operating permit.

Under the Regulation, the City of Richmond is required to:

- Develop and maintain a process to notify the Medical Health Officer and the Drinking Water Officer of situations or conditions that render or could render the water unfit to drink;
- Implement and maintain a plan for collecting, shipping and analyzing water samples in compliance with the direction set by the Drinking Water Officer; and
- Implement and maintain a plan for reporting monitoring results to the Drinking Water Officer and to water users.

Richmond thrives on its ability to provide water for not only Richmond Fire-Rescue in the event of a fire, but for residents and businesses. To ensure a consistent supply, the capital watermain replacement program is a proactive approach to avoiding breaks and has proven to be a reliable and valuable tool in water distribution management. In 2015, Public Works staff attended to 41 watermain breaks. Repairs for a single watermain break can amount to $100,000 plus damages to private properties and service disruptions to businesses and residents. As such, a proactive replacement and maintenance program is essential to minimizing costs and ensuring minimal to no disruptions in water quality and supply.

Highlights of the 2015 Annual Water Quality Report include:

- Richmond residents enjoy high-quality, reliable drinking water.
- 2,027 water samples were collected to ensure water quality and each passed with outstanding results.
- Test results confirm high quality water and demonstrate continuous improvement.
- 34.6M cubic metres of water were purchased in 2015 compared to 35.8M cubic metres in 2014.
- Richmond's tap water stations are used in many community events providing potable water to the public and promoting tap water usage.
- The educational program Project WET, where students learn about the water conservation, water quality and water distribution, represents the partnership between Richmond School Board and Public Works.

These and many other initiatives are detailed in the attached "2015 Annual Water Quality Report".

Proposed Communication

Subject to Council's approval, the "2015 Annual Water Quality Report" will be posted on the City's website and made available through various communication tools including social media channels and as part of community outreach activities.

Financial Impact

None.

Conclusion

The 2015 Annual Water Quality Report outlines the methods in which the City manages its water system to ensure compliance with applicable provincial requirements under the Drinking Water Protection Act. In 2015 the City's water quality met and exceeded the required standards to ensure residents enjoyed high quality, reliable and safe drinking water.

This report has been reviewed and endorsed by the Medical Health Officer of Vancouver Coastal Health Authority as part of the City's reporting obligations.

Bryan Shepherd
Manager, Water Services
(604-233-3334)

Att. 1: 2015 Annual Water Quality Report
Att. 2: 2015 Annual Water Quality Report Summary

City of Richmond

2015 Annual Water Quality Report

Richmond

Richmond is dedicated to promoting the value of municipal tap water, maximizing opportunities for use of tap water in municipal facilities and developing strategies for making tap water the "water of choice" in our community.

Contents

PWT - 39

Executive Summary

The purpose of this report is to fulfill the requirements set out in the British Columbia Drinking Water Protection Act (BCDWPA) by giving an overview of the water distribution system, describing the maintenance conducted, detailing some of the unique features of the system and providing the results of Richmond's water quality testing program.

Test results confirm high-quality water and demonstrate continuous improvement. Richmond's water system is provided with the highest degree of care to ensure that it's an inhospitable environment for any harmful bacteria or toxins. Also, Water Utility funding contributes to proactive watermain replacement and maintenance projects that will ensure the overall health of the system well into the future.

In 2015, the City of Richmond's Water Services staff undertook the following:

- provided 34.6 million m^3 of the highest quality drinking water to nearly 213,900 Richmond residents;
- conducted 2,027 microbiological tests from 39 test locations;
- maintained 13 pressure reducing valve (PRV) stations;
- maintained 4,765 fire hydrants to ensure water is available during an emergency;
- repaired 41 watermain breaks without compromising the integrity of the water distribution system while maintaining positive pressure;
- discovered and repaired 33 non-visible underground leaks through Richmond's leak detection program using noise loggers measuring sound frequencies in the targeted pipe allowing any leaks to be heard and recorded;
- hosted over 500 students and teachers from Richmond elementary schools as part of the annual educational program: Project WET;
- repaired 275 service connections;
- upgraded 3,000 m of new watermain through Capital projects;
- installed 347 water services for new developments.

The City of Richmond's Water Services Section takes its role as a water purveyor very seriously and is proud to be the guardian of such a precious resource.

Introduction

In 2002, the City of Richmond implemented a Drinking Water Quality Monitoring Program. This program was developed with input from the Vancouver Coastal Health Authority and is in accordance with the British Columbia Drinking Water Protection Act (BCDWPA), the Water Quality Monitoring and Reporting Plan for Metro Vancouver and member municipalities and the Guidelines for Canadian Drinking Water Quality (GCDWQ).

The Vancouver Coastal Health Authority requires the City of Richmond to provide the Annual Drinking Water Quality Report so that Richmond can maintain its operating permit. Richmond's Medical Health Officer reviews the report and upon request, the report is made public. It provides important information concerning Richmond's water distribution system and water quality.

The conditions set out in the British Columbia Drinking Water Protection Act (BCDWPA) require that all water systems in BC be classified as a Level I through IV facility. Richmond's system is classified as a Level III facility so all staff are responsible for possessing a valid Level I to Level III Equipment Operators Certification Program (EOCP) certificate. To obtain and maintain a level of certification, staff successfully complete annual training. This is done to ensure that staff are able to respond appropriately and immediately to problems prior to becoming a risk to health or property.

As a water purveyor, Richmond complies with provincial legislation, including the British Columbia Drinking Water Protection Act (BCDWPA), and the British Columbia Drinking Water Protection Regulations (BCDWPR). Information is also compared to the federal Guidelines for Canadian Drinking Water Quality (GCDWQ). Under these various pieces of legislation the City of Richmond is required to:

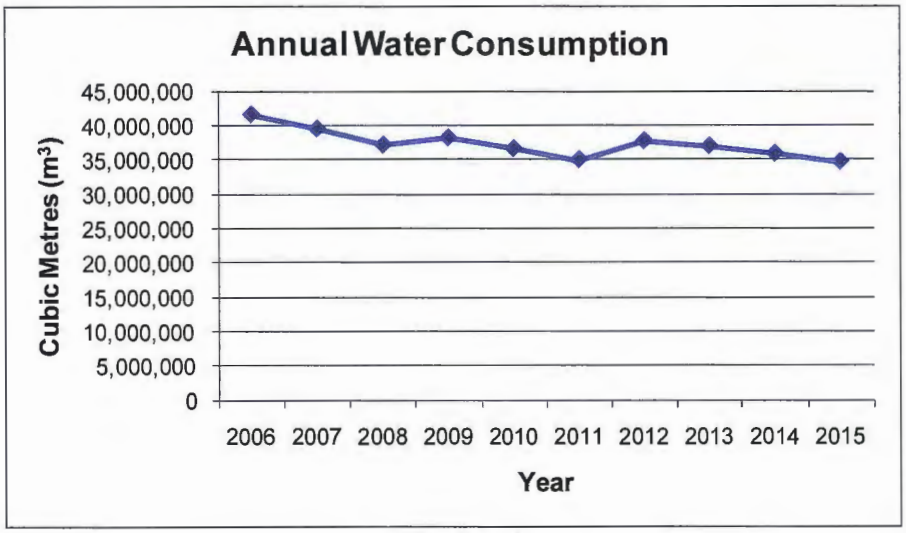
- develop a process to notify the Medical Health Officer of any condition that could render unsafe drinking water;
- implement a sampling program that adequately represents all areas within the City;
- meet the requirements of the British Columbia Drinking Water Protection Act (BCDWPA), and ensure test results are immediately available to the Medical Health Officer;
- receive an annual construction permit for the construction, installation and extension of the water distribution system;
- ensure that the City's water distribution system is classified under the criteria for the Environmental Operators Certification Program (EOCP) and that Water Services staff are certified to the same level as the distribution system;
- produce an annual public report detailing the results of the City's water quality monitoring program.

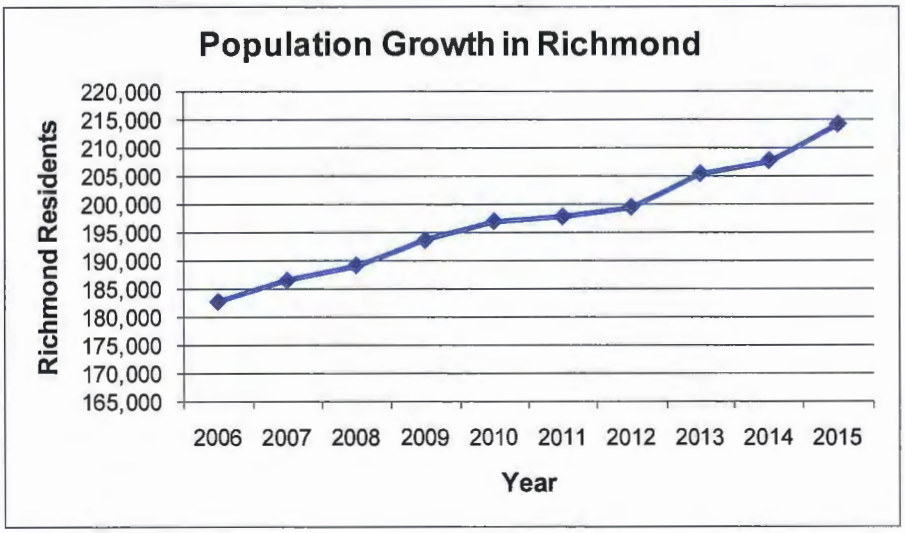
TapMap is an app that identifies over 500 places to refill your water bottle for free, using green balloons on the map. The locations include indoor/outdoor tap water stations, cafes and public spaces.

Water vegetable gardens in the morning, near the roots, and by hand.

Metro Vancouver Water District

In 2015, the City of Richmond purchased 34.6 million m^3 of drinking water from the Metro Vancouver Water District.





Three watersheds supply regional water: Capilano Reservoir, Seymour Reservoir, and Coquitlam Reservoir. The Capilano and Seymour Reservoirs combined, supply approximately 70% of the water to the region. The Coquitlam Reservoir supplies the remaining approximate 30%. Richmond receives the majority of its water from the Capilano and Seymour reservoir.

Water from these reservoirs can be directed through a series of valves and transmission watermains to any city or municipality within the Metro Vancouver region. Source water is provided directly from the watersheds by Metro Vancouver. Source water is tested for a number of microbiological, chemical, and physical parameters.

During periods of turbidity (cloudy water), a reservoir may be taken out of service if levels become elevated. Water is then supplied by the remaining reservoirs. The plant has the capacity to filter up to 1.8 billion L of water per day.

PWT - 44

Metro Vancouver watersheds

Water your lawn only when needed: Most lawns only need about 1 in. of water each week. During dry spells, stop watering altogether and the lawn will go brown and dormant. Once cooler weather arrives, the morning dew and rainfall will bring the lawn back to its usual vigor. This may result in a brown summer lawn, but it saves a lot of water.

When replacing appliances, choose low-flow, high efficiency options.

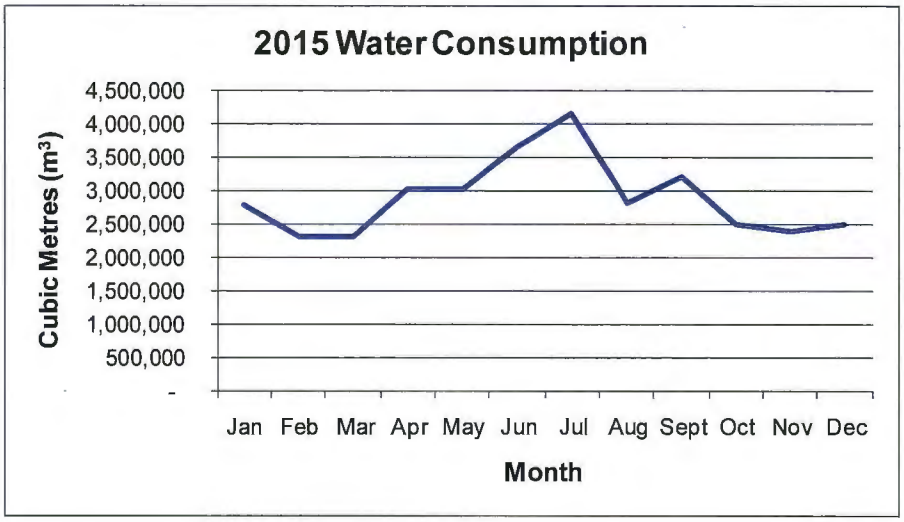
Scrape dishes instead of rinsing them under running water before loading your dishwasher. For heavy cleaning of grills or oven parts pre-soak overnight.

Water Distribution System Overview

The City of Richmond's water distribution system begins at 13 separate connection points along Metro Vancouver's transmission mains. At each connection point there is a City owned pressure reducing valve (PRV) chamber. The City's responsibility for water quality begins at this chamber and ends at the residential or commercial property line.

Table 1 – Overview of Richmond's Water Distribution Network

Water Assets	2015
Hydrants	4,765
Valves	10,930
PRV chambers (active)	13
Pigging chambers	11
End caps	506
Watermains (City)	630.5 km
Service connections	30,491



PWT - 46

Pressure Reducing Valves (PRV)

The Water Services Section maintains 13 pressure reducing valve (PRV) stations throughout Richmond. PRV stations decrease the pressure of Metro Vancouver's water feed to one that is manageable for Richmond's water distribution system. The stations are connected to a supervisory control and data acquisition (SCADA) system that provides information to the Works Yard such as water pressure, quality and volume. This allows for certified Water Services staff to react to problems quickly and effectively 24 hours a day, seven days a week.

Water Loss Management

The table indicates the monthly water consumption in Richmond. It is estimated that most municipalities in North America lose anywhere from 12% to 15% of their potable water to undiscovered, underground leakage. The Water Loss Management Program allows City Engineering and Water Services staff to determine the total amount of water consumed through normal operational programs and practices such as single-family residential, multi-family residential and commercial metering programs. While combining these programs with watermain flushing, parks and median irrigation, and Richmond Fire Rescue water usage, it is reasonable to assume that the unidentified portion of the annual water consumption is attributed to water loss within the distribution system.

Inside a PRV station

Service Renewals

This program aims to prevent breaks and leaks by continuously upgrading and replacing older water services from the watermain to the property line. This preventative maintenance construction occurs throughout the year and requires minimal restoration because in most instances it can be achieved by using trenchless technologies.

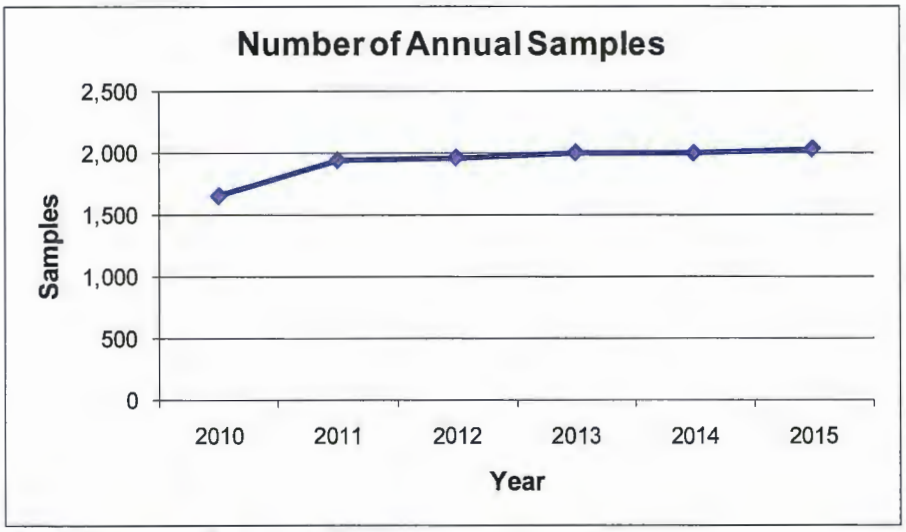
Sweep driveways or decks with a broom instead of the hose.

Inside a PRV station

Did you know that Water Services responded to 1,604 water-related service requests?

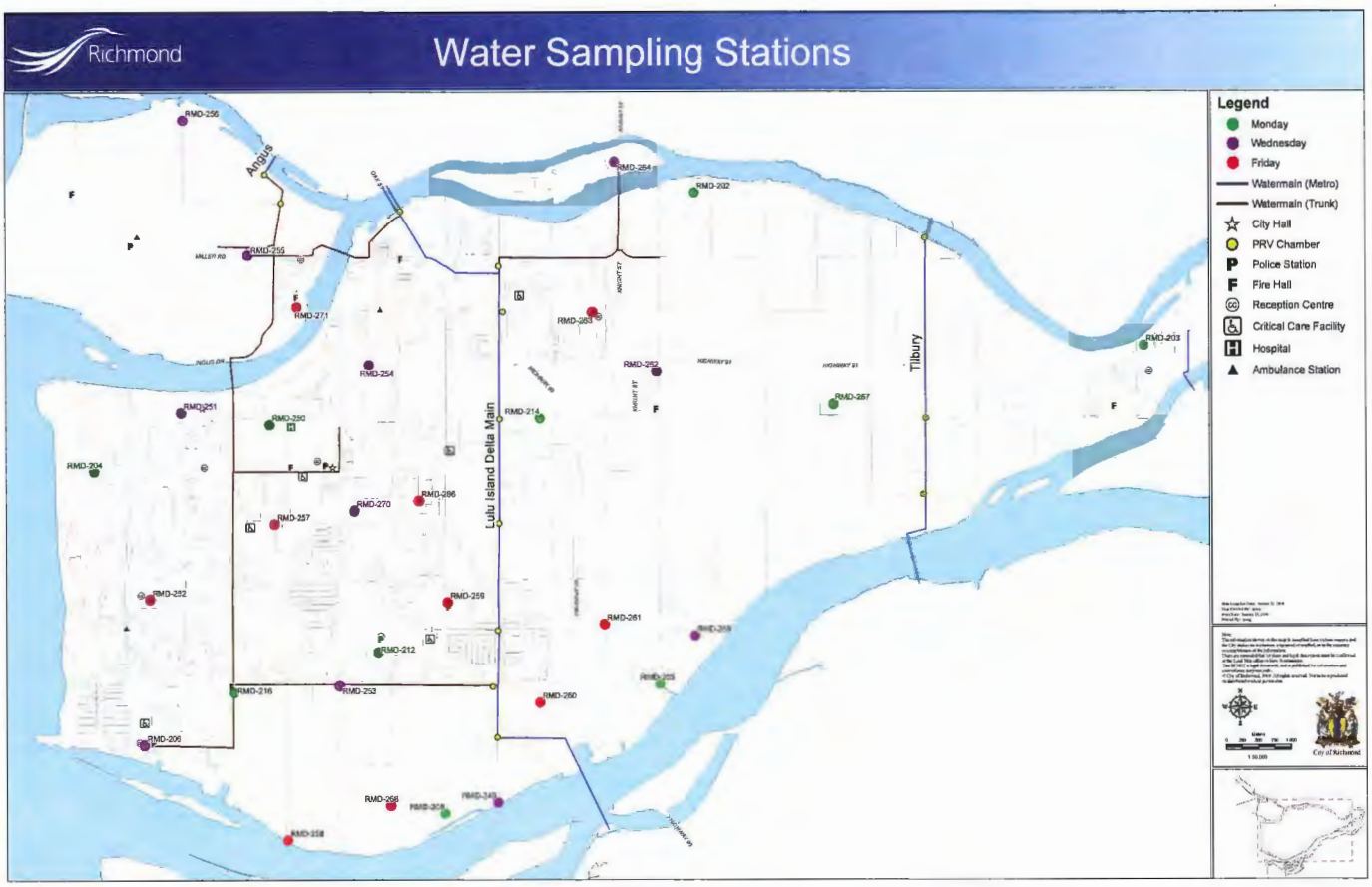
Water Quality Monitoring

In 2015, the City of Richmond collected samples on a weekly basis at 39 dedicated sampling sites. These sites are strategically located throughout the City to give a good representation of the City's water quality across the distribution network. In 2015, 2,027 water samples were collected by Water Services staff and sent for analysis at Metro Vancouver laboratories. These sample results were reviewed by the Vancouver and Richmond Coastal Health Authority to ensure the drinking water met the standards outlined in the British Columbia Drinking Water Protection Regulations (BCDWPR).



Water quality sampling

PWT - 48



Bacteriological Tests

The City of Richmond and Metro Vancouver conduct bacteriological tests for total coliform, fecal coliform and heterotrophic plate counts (HPC). The presence of these organisms in drinking water indicates that the water may be contaminated and may contain potentially harmful bacteria, viruses or parasites.

Install low-flow toilets. Did you know that they account for 30% of indoor water use?

Multi-Barrier Approach

Richmond recognizes that in order to provide the highest quality water, several methods must be used to ensure its superiority.

The "Multi-Barrier Approach" includes:

- disinfection of the water at the source;
- water quality monitoring capabilities at seven PRV sites;
- weekly microbiological testing at 39 sites throughout Richmond;
- system operators are certified by Environmental Operators Certification Program (EOCP) of BC;
- maintenance practices that are of the highest standard.

Total Coliforms

Total coliform bacteria reproduce in water, soil or digestive systems of animals. The presence of total coliforms indicates water may have been contaminated and that the disinfection process is inadequate. In distribution systems where more than 10 samples are collected in a given sampling period, as is the case in Richmond, no consecutive samples from the same site or no more than 10% of samples should show the presence of total coliform bacteria.

Put leaves and bark mulch around shrubs and trees to hold in moisture.

Water samples going to the lab

Testing the water sample

Testing for total coliforms should be carried out in all drinking water systems. The number, frequency and location of samples for total coliform testing will vary according to the type and size of the system and jurisdictional requirements.

Provincial standards state that no sample can contain more than 10 total coliforms per 100 ml, and that 90% of samples in a 30-day period must have zero coliform organisms.

Fecal Coliforms

Fecal coliforms are present in large numbers in the feces and intestinal tracts of humans and other warm-blooded animals, and can enter water bodies from human and animal waste. They are key indicators of sewerage contamination. Due to diseases and parasites, which are spread through sewerage, provincial standards state there can be no detectable fecal coliforms per 100 ml sample.

2015 Results

In 2015, 2,027 water samples were collected by City staff and analyzed by Metro Vancouver laboratory staff. All final results met drinking water requirements for fecal and total coliforms. The City of Richmond was in compliance with British Columbia Drinking Water Protection Regulations (BCDWPR) for bacteria in 2015.

Heterotrophic Plate Count

Heterotrophic Plate Counts (HPC) tests measure aerobic heterotrophic bacteria. This test indicates the presence of nutrients that could facilitate the growth of harmful bacteria such as E.coli, and in determines changes in water quality during treatment and distribution. HPC tests indicate the onset of bacterial re-growth within the distribution system commonly due to stagnant water contained in dead end and low flow watermains. By reducing the HPC levels, the possibility of bacteriological re-growth is essentially reduced because the pipes are an inhospitable environment for bacteria to grow. The minimal amount of positive chlorine residual in our water also disinfects and eliminates harmful substances within our distribution system. In 2015, none of the 2,027 water samples exceeded regulated levels for HPC's at >500 CFU/mls. In fact, none of the 2,027 water samples exceeded 100 CFU/mls.

Flushing

As part of a five-year program, Water Services successfully executed the annual flushing program. This important maintenance practice ensuring high-quality tap water by moving water through the pipes and eliminating stagnant water at dead-ends. By doing so, the pipes are cleared and the risk of high HPC levels which lead to bacteria re-growth is significantly reduced.

Failed samples

The standard response to a failed water sample is:

- re-sample at the site;
- flush the watermain extensively;
- re-sample;
- the watermain is then isolated to one feed until test results confirm compliance with the British Columbia Drinking Water Protection Regulations (BCDWPR).

Residential addresses lawn sprinkling:

- *Even-numbered addresses: Monday, Wednesday, Saturday mornings from 4:00 to 9:00 a.m.*
- *Odd-numbered addresses: Tuesday, Thursday, Sunday mornings from 4:00 to 9:00 a.m.*

Keep a jug of cool water in the fridge, instead of running the tap until it cools.

Run full loads in the washing machine and dishwasher.

Physical Parameters

Water in Richmond's distribution system is tested for the physical parameters of turbidity and temperature at the same time as bacteriological testing. Information is also collected on the taste and odour of Richmond's water by actively tracking water quality complaints.

Turbidity

Metro Vancouver is responsible for the quality of Richmond's source water. Turbidity is a measure of water clarity and cloudiness. Turbidity is measured in Nephelometric Turbidity Units (NTU). The guideline allows for turbidity levels up to 5 NTUs providing that source water protection, monitoring, and water treatment requirements are met including increased levels of residual chlorine. Turbidity is a concern because increased turbidity compromises the drinking water disinfection process.

In general, sites with elevated turbidity are located in sections of the distribution network where there is low demand on the water system or where dead-end watermains exist. The increase may be attributed to sediment disturbance in the distribution system. During the year, when sampling indicates a turbidity level greater than >5 NTU's, affected watermains in the test area are flushed, and re-tested until a satisfactory result is obtained.

Temperature

High temperatures in the distribution system can affect the residual level of chlorine and can contribute to bacterial re-growth. Typically, the temperature of drinking water in the distribution system rises during summer months. Samples exceeded the aesthetic guideline of 15°C 372 times out of 2,027; some temperatures as high as 22°C were recorded. The majority of these elevated temperatures were recorded during the summer months.

Taste and Odour

Taste and odour are only monitored in response to customer complaints. Records indicate that 17 complaints were received regarding taste and seven complaints were received regarding odour in 2015. These complaints generally relate to high levels of residual chlorine in that part of the system at that particular time. Residents who complained about taste or odour problems were advised to flush their internal system. If the problem was not resolved, Water Services staff were dispatched to the location until a satisfactory result was obtained and verified through laboratory analysis.

Chemical Parameters

The City of Richmond, in partnership with Metro Vancouver, tests for the following chemical parameters: chlorine residual, trihalomethanes (THM), haloacetic acids (HAA), and pH. Periodic testing is also performed to determine heavy metals levels in the water system.

Free Chlorine Residual

Chlorine residual is a measurement of the disinfecting agent remaining in the distribution system at the point of delivery to the customer. Ensuring proper levels of chlorine in the distribution system is essential in protecting Richmond's water supply from bacteriological contamination or re-growth. In recent years, the City has made great progress in improving chlorine residuals by implementing various flushing programs.

Leave grass clippings on your lawn. They'll help trap moisture to reduce evaporation and break down to feed your lawn naturally.

Disinfection By-Products

Disinfection by-products are potentially harmful compounds produced by the reaction of a water disinfectant (such as chlorine or ozone) with naturally occurring organic matter in water. Two common chlorination by-products are Trihalomethanes (THMs) and Haloacetic Acids (HAAs). In drinking water, THMs can enter the human body via multiple routes of exposure. These include ingestion by consuming water and inhalation and skin absorption from showering and bathing. Under the Guidelines for Canadian Drinking Water Quality (GCDWQ), the maximum acceptable concentration (IMAC) for THMs is 100 parts per billion (ppb). The 100 ppb level for THMs is based on an annual average of samples taken quarterly. High levels on a particular day are not of concern unless they are consistently high over a period of time. Typically, THM levels will be highest in the summer and lowest in the winter months. Likewise, under the GCDWD, the maximum acceptable concentration (IMAC) for HAAs is 0.08 mg/L. In 2015, the City utilized the Metro Vancouver laboratory to perform quarterly tests for HAA's and THM's. These were carried out at representative sampling sites in accordance with a joint Metro Vancouver/ Richmond monitoring plan. In 2015, all results were within acceptable levels as defined in the GCDWQ. (Appendix 5)

The pH Value

The measurement of acidity is known as pH. A pH below 7.0 is considered acidic, above 7.0 is considered basic, with 7.0 being neutral. It is recognized that acidic water will accelerate the corrosion of metal pipes, often causing blue-green staining in household fixtures.

The Seymour-Capilano filtration plant includes pH adjustment and corrosion control in its treatment processes. It is expected that the pH of drinking water will rise in the coming years as the filtration plant reaches its full potential. This will extend the lifespan of water plumbing systems and enhance water quality.

Metals

The City's water quality program also includes testing for metals, such as copper, iron, lead, and zinc. All results were within GCDWQ limits for 2015. Complete test results are included in Appendix 6.

Millions of single-use water bottles still end up in our landfills. Even recycling requires energy and resources. The best choice is to use a refillable water bottle.

Recycle unused water. While waiting for hot water to flow when preparing for a shower, catch the cool water in a bucket or water can. Later it could be used for your plants, pets or cleaning.

Mobile Emergency Response Unit

Water Services staff are trained to operate the water treatment trailer for use during a major emergency where Richmond's water is contaminated. The treatment trailer is capable of producing 55,000 L of potable water per day from non-potable sources. It is maintained and continuously tested by Water Services staff to ensure that the water is safe to serve Richmond residents in an emergency situation.

Public Notification

At the direction of the Medical Health Officer, water quality advisories will be issued to the general public if necessary. Similarly, the notification will be issued to the general public for any work being done that will affect the quality of their drinking water. An example is included in Appendix 7.

Table 2 – Agency Notification for Situations Drinking Water Safety

Situation	Notifying Agency	Agency Notified	Time Frame For Notification
Fecal positive sample	City of Richmond Metro Vancouver Lab	City of Richmond / Medical Health Officer	Immediate
Chemical/biological contamination	City of Richmond Metro Vancouver Lab	City of Richmond / Medical Health Officer	Immediate
Turbidity > 5 NTU	City of Richmond Metro Vancouver Control Centre Metro Vancouver Lab	City of Richmond / Medical Health Officer	Immediate
Disinfection failure primary or secondary disinfection	City of Richmond Metro Vancouver Control Centre Metro Vancouver Lab	City of Richmond / Medical Health Officer	Immediate, where BC DWPR or GCDWQ guidelines may not be met
Loss of pressure due to high demand	City of Richmond Metro Vancouver Control Centre	Medical Health Officer City of Richmond Metro Vancouver Control Centre	Immediate
Watermain break where the pressure drops below 20 psi	City of Richmond Metro Vancouver Control Centre	Medical Health Officer City of Richmond	Immediate

Non-residential addresses lawn sprinkling:

- *Even-numbered addresses: Monday, Wednesday mornings 1:00 to 6:00 a.m.*
- *Odd-numbered addresses: Tuesday, Thursday mornings 1:00 to 6:00 a.m.*

Turn off the tap when brushing your teeth or washing dishes.

STAGE 3 WATER RESTRICTIONS IN EFFECT UNTIL FURTHER NOTICE

Due to the current shortage of drinking water, a Stage 3 water restriction has been declared by the Greater Vancouver Water District.

These restrictions

- Were implemented to ensure that there will be an adequate supply of drinking water for the rest of the summer and early fall.
- Apply to treated tap water. Rain, storm and all forms of recycled water can be used.
- Will be enforced by fines.

LAWNS, TREES, SHRUBS AND FLOWER OR VEGETABLE GARDENS

- All forms of lawn sprinkling using treated drinking water are prohibited.
- Gardens, shrubs and trees may be watered anytime, only by hand, using a spring-loaded shut-off nozzle or a container. Use of sprinklers or soaker hoses is prohibited. Use recycled water when possible.

FREQUENTLY ASKED QUESTIONS

- During Stage 3, no outdoor washing or rinsing of vehicles and pleasure crafts is permitted except for safety purposes (windows, lights and licenses plates only).
- Filling and topping up private pools, spas and garden ponds is prohibited.
- Private pressure washing is prohibited however commercial pressure washing is allowed only for health and safety purposes or to prepare a surface for painting or similar treatment. Sweep instead.
- Automatic sprinklers must be turned off.

For more information about the restrictions, please call 604-276-4355 or visit: www.metrovancouver.org or www.richmond.ca/water

THIS IS AN IMPORTANT NOTICE. PLEASE HAVE SOMEONE TRANSLATE IT FOR YOU.
INFORMATION IMPORTANTE: TRADUISEZ S'IL VOUS PLAIT.

V1 – July 20, 2015 1 Richmond

A postcard to advise the public of the current stage water restrictions

Water Conservation Programs

The City of Richmond continues to succeed in reducing annual water consumption despite a growing population. Since 2010, population has grown by 9% and overall water consumption has decreased by 7%. This equates to a total annual savings of over $1,500,000. This can be explained by corporate and community wide initiatives including water metering, pressure management, the toilet rebate program, the clothes washer rebate program and the City's leak reduction program.

Reduction of water system pressure in lower demand periods such as the winter season extends water infrastructure service life and also reduces system water loss.

The leak reduction program identifies single-family properties with continuous leaks and educates the homeowner about the leak and significantly reduces overall private property leakage.

Universal Single-Family Water Meter Program

The universal single-family water meter program is in progress and will be completed in three years. Advanced notification is provided to flat rate customers prior to meter installation. Water meters are a fair and equitable way of charging residents for water and will reduce the overall water consumption throughout the City.

Multi-Family Water Meter Program

The volunteer multi-family water meter program allows residents to pay for the actual amount of water they use, rather than being billed on the flat-rate system. To date, 141 multi-family complexes have been completed, comprising of 8,585 dwelling units.

Toilet Rebate Program

The City of Richmond's Toilet Rebate Program provides a utility account rebate of $100.00 to homeowners who install a low-flush toilet. Single and multi-family homeowners are eligible to apply for a lifetime maximum of two rebates per property. Industrial, commercial and other non-residential properties are not eligible at this time. The purpose of the toilet rebate program is to encourage homeowners to replace high volume toilets with low-flush toilets to conserve water and to reduce costs. Homeowners enjoy a reduction in their utility bill while contributing to a sustainable water conservation initiative. In 2015, there were 902 rebates submitted, an increase from the 849 submitted in 2014.

Clothes Washer Rebate Program

Through a partnership program with BC Hydro, residents could receive a rebate of up to $200, equally cost shared between BC Hydro and the City of Richmond for the replacement of an inefficient clothes washer with a new high efficiency one. The bi-annual rebate program encourages homeowners to conserve water and energy. As of January 1, 2016, 294 clothes washer rebates have been issued to Richmond residents.

Rain Barrels

Rain barrels are excellent outdoor water-saving devices that collect and store rainwater from rooftops for lawn and garden use. Rain water is a great water source for lawns, plants and gardens. For water metered households, using rainwater will reduce the amount of tap water used for your garden therefore decreasing the utility bill.

Rain barrels are available for purchase at the City's Recycling Depot by Richmond residents only. Installation instructions are included. In 2015, 207 rain barrels were sold; a significant increase from the 89 sold in 2014.

SYSTERN rain barrel features:

- unique shape and neutral color suitable for any home and garden;
- 208 L (55 gal.) capacity;
- mosquito mesh keeps out bugs and leaves;
- BPA free;
- made from recycled content;
- UV stabilizer is added to resist deterioration from sunlight;
- overflow hose can be linked to another SYSTERN or can be directed away from the house.

Install a shut-off valve on your hose so it only runs when in use.

Rain barrel

Metro Vancouver Water Restrictions

Due to dry and hot weather, continued high water demand and declining reservoir levels, Metro Vancouver imposed water sprinkling restrictions beyond the norm. Metro Vancouver announced stage one, two and three restrictions, extending until mid-October. The City of Richmond was in full compliance, not only enforcing and educating but practicing the behavior as well. Water Services collaborated with Corporate Communications, Customer Service, Parks Operations, Bylaws and other Engineering and Public Works sections to advise the public and increase awareness. Water Services staff distributed postcards and verbally informed residents and businesses. Furthermore, all Public Works sections and Parks Operations were involved in collecting and using recycled water for Richmond's parks, plants, street sweeping and vactor operation. For 2016, Metro Vancouver has extended the the water restrictions period from May 15 to October 15.

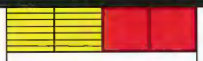
Use of recycled water for parks and plants

PWT - 57

GVWD Water Shortage Response Plan - *At a Glance*

: ACCEPTABLE : RESTRICTED : PROHIBITED

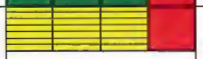
NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, or any forms of recycled water.

ACTIVITY	WSRP STAGES 1 2 3 4	RESTRICTION DETAILS
Residential lawn sprinkling		**STAGE 1:** June 1-Oct 15, even-numbered addresses Mon, Wed & Sat mornings 4-9 am, odd -numbered addresses Tues, Thurs & Sun mornings, 4-9 am **STAGE 2:** Even-numbered addresses Mon morning only 4-9 am, odd-numbered addresses Thurs morning only, 4-9 am **STAGES 3-4:** All forms of watering using treated drinking water are prohibited.
Non-Residential lawn sprinkling		**STAGE 1:** June 1-Oct 15, even-numbered addresses Mon & Wed mornings 1-6 am, odd -numbered addresses Tues & Thurs mornings, 1-6 am, all non-residential addresses Fri morning 4-9 am **STAGE 2:** Even-numbered addresses Wed morning only 1-6 am, odd-numbered addresses Tues morning only, 1-6 am **STAGES 3-4:** All forms of watering using treated drinking water are prohibited.
New (unestablished) residential & commercial lawns, trees, shrubs & flowers		**STAGES 1-2:** Sprinkling outside restricted times allowed only at the discretion of each municipality & with special permits to be displayed on lawn. **STAGES 3-4:** No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
Flowers & vegetable gardens, decorative planters, shrubs & trees		**STAGE 3:** Only if done by hand using a spring-loaded shut-off nozzle, or using containers or drip irrigation. Use of sprinklers or soaker hoses is prohibited. **STAGE 4:** All forms of watering using treated drinking water are prohibited.
Commercial flowers & vegetable gardens		**STAGE 4:** All forms of watering using treated drinking water are prohibited.
Private pools, spas & garden ponds		**STAGE 3:** Refilling is prohibited. **STAGE 4:** Refilling is prohibited.
Public water play parks &pools		**STAGES 2-3:** Unless otherwise authorized by municipality, only water play parks with user-activated switches will be operated. **STAGE 4:** All water parks shut down. Municipal outdoor pools closed. Winterization deferred until Stage 4 is lifted by GVWD.
Public & commercial fountains & water features		**STAGES 2-4:** All shut down.
Private & commercial outdoor impermeable surface washing (i.e., driveways, sidewalks & parkades)		**STAGES 2-3:** Only for health & safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited. **STAGE 4:** All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector, etc...).
Private & commercial pressure washing		**STAGES 2-3:** Only for health & safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited. Private pressure washing prohibited in Stage 3. **STAGE 4:** All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority for health & safety reasons (i.e., WCB, public health inspector, etc...).
Outdoor car washing & boat washing		**STAGES 1-2:** Only with hose equipped with spring-loaded shut off. **STAGES 3-4:** No outdoor washing or rinsing of vehicles & pleasure crafts, except for safety (windows, lights & licenses only)

(con't other side)

PWT - 58

GVWD Water Shortage Response Plan - *At a Glance (con't)*

Commercial car washes		**STAGE 4:** Commercial car washes shut down.
Golf courses		**STAGE 1:** Municipalities request golf course operators cut water use on fairways by as much as possible. **STAGE 2:** Water greens & tee areas normally; fairways only once weekly. Signage indicating the use of non-GVWD water is encouraged. **STAGE 3:** Water greens & tee areas minimally; fairways may not be watered. **STAGE 4:** All forms of watering using treated drinking water are prohibited.
Commercial turf farms		**STAGE 4:** All forms of watering using treated drinking water are prohibited.
Artificial turf & outdoor tracks (i.e., bicycle & motorcycle tracks, running tracks)		**STAGES 1-3:** Hosing for health & safety only. **STAGE 4:** All forms of watering using treated drinking water are prohibited.
School yards, sports & sand-based playing fields		**STAGES 2-3:** Minimum levels required to maintain areas in useable condition. **STAGE 4:** All forms of watering using treated drinking water are prohibited.
Cemetery lawns		**STAGE 1:** June 1-Oct 15, even-numbered addresses Mon & Wed mornings 1 - 6 am, odd-numbered addresses Tues & Thurs mornings 1-6 am, all non-residential addresses Fri morning 4-9 am **STAGE 2:** Even-numbered addresses Wed morning only 1-6 am, odd-numbered addresses Tues morning only, 1-6 am **STAGES 3-4:** All forms of watering using treated drinking water are prohibited.

Contact Information

For information regarding enforcement of the WSRP, please contact your municipality.
For general WSRP information, please contact the Metro Vancouver Information Centre at 604-432-6200.
For copies of media releases issued during the WSRP implementation, please go to www.metrovancouver.org

GVWD Water Shortage Response Plan - *At a Glance*

Application of the WSRP to Municipal Property

: ACCEPTABLE : RESTRICTED : PROHIBITED

ACTIVITY	WSRP STAGES 1 2 3 4	RESTRICTION DETAILS
Municipal parks		**STAGE 2:** These surfaces may be watered only within the once-weekly times. **STAGE 3:** All forms of watering using treated drinking water are prohibited. **STAGE 4:** All forms of watering using treated drinking water are prohibited. Shut down faucets in parks & public spaces, except for drinking fountains equipped with spring-loaded shut-off.
Municipal ornamental lawns & grassed boulevards		**STAGE 1:** June 1-Oct 15, even-numbered addresses Mon & Wed mornings 1-6 am, odd-numbered addresses Tues & Thurs mornings 1-6 am, all non-residential addresses Fri morning 4-9 am. **STAGE 2:** Even-numbered addresses Wed morning only 1-6 am, odd-numbered addresses Tues morning only, 1-6 am **STAGES 3-4:** All forms of watering using treated drinking water are prohibited.
Municipal hydrant flushing		**STAGES 1-4:** Only for unscheduled safety or public health reason. Routine flushing to be scheduled outside WSRP timeframe.

Prepared for lawn sprinkling regulations (Jun 1 to Oct 15, 2015)

PWT - 59

Water leads to overall greater health by flushing out wastes and bacteria that can cause health problems and is the primary mode of transportation for all nutrients in the body and is essential for proper circulation.

Tap water station at a community event

Water Education Programs

Project WET

Project WET is an interactive elementary school water education program aimed at teaching students about the importance of water. Largely targeted for grades four through seven, this program is designed to educate students on the importance of water quality and supply.

Project WET is an exciting partnership program between the City of Richmond and the Richmond School District No. 38. The acronym "WET" stands for "Water Education Team". Touring from station to station, the objective is to promote higher-level thinking skills while learning about the fundamentals of water. In 2015, over 500 students and teachers participated in the program.

During the tour to the Works Yard, students can expect to learn many exciting areas of water and drainage systems such as:

- water sampling and quality testing;
- technological changes;
- the importance of fire hydrants and how they work;
- tap water stations and the value of Richmond's high-quality tap water;
- the uses of watermains, automatic flushing units, valves and meters;
- inspection camera technology;
- storm sewer pipes and systems;
- sanitary and storm pump stations and how they work;
- how our dykes help to keep our island dry;
- Richmond's emergency water treatment trailer.


Project WET

PWT - 60

Tap Water Initiative

In 2010, Metro Vancouver initiated its tap water campaign. The intent of this initiative is to encourage tap water consumption by the public and highlight public drinking fountains so that the public can refill water bottles or simply get a drink of water. On April 14, 2009, Mayor Malcom Brodie endorsed this campaign indicating that the City of Richmond is dedicated to promoting the value of municipal tap water, maximizing opportunities for use of tap water in municipal facilities and developing strategies for making tap water the "water of choice".

To support this initiative, Richmond's Water Services Section is proud to maintain several tap water stations that are used at numerous community events to provide the public with potable tap water and to promote tap water usage as an alternative to bottled water consumption. Samples are tested upon installation ensuring good quality water for the public to enjoy. In 2015, Water Services' portable tap water stations were installed at over 45 community events.

The 34 water fountains found on Richmond's dykes and in parks are now maintained by Water Services. They are tested and inspected ensuring accessible and high-quality drinking water. They must be turned off in winter months to prevent freezing and costly damage. They are turned on in the spring for the public to enjoy. As a pilot project, an auto-flushing unit was installed on one of the longer pipes, to a fountain, to turn over the water and maintain an acceptable chlorine residual. The outcome was very successful and in 2016, Water Services will look at installing this unit on other fountains.

Public Works Open House

The Water Services Section plays a large role in the annual Public Works Open House that takes place in May. This is an opportunity for staff to show residents some of the critical services that are provided such as maintaining our infrastructure. Likewise, staff showcase the work that is done on a daily basis to ensure the safety and health of the community. This event draws attention to the importance of public works in community life.

Water your lawn only when needed: To see if your lawn needs watering, step on the grass. If it springs back up when you move, it doesn't need water. If it stays flat, the lawn is ready for watering.

Water Services booth at the Public Works Open House

Public Works Open House

Conclusion

In 2015, Richmond residents enjoyed high-quality drinking water. From the protected watersheds to the local taps, both Metro Vancouver and the City of Richmond focus immensely on safe and high-quality drinking water.

Test results confirm high-quality water and demonstrate continuous improvement. Richmond's water system is provided with the highest degree of care to ensure that it's an inhospitable environment for any harmful bacteria or toxins. The City of Richmond's Water Services Section takes its role as a water purveyor very seriously and is proud to be the guardian of such a precious resource.

Water Services staff continue to employ best management practices in the operation and maintenance of the water system. Certified by the Equipment Operators Certification Program (EOCP), staff meet all requirements of the British Columbia Drinking Water Protection Act (BCDWPA) and are well equipped to operate and maintain all aspects of the water system from source to property line

The City appreciates the good working relationship with Vancouver Coastal Health Authority and acknowledges them as important partners in maintaining high quality drinking water throughout the City of Richmond.

Sincerely,

Bryan Shepherd
Manager, Water Services
City of Richmond
604-233-3334
bshepherd@richmond.ca

Appendices

APPENDIX 1: REFERENCES

APPENDIX 2: WATER SAMPLING SITES

APPENDIX 3: 2015 WATER QUALITY RESULTS

APPENDIX 4: SCADA AND PRESSURE TESTING SITES

APPENDIX 5: 2015 THM AND HAA TEST RESULTS

APPENDIX 6: 2015 HEAVY METAL TESTING RESULTS

APPENDIX 7: SAMPLE DRINKING WATER QUALITY ADVISORY

APPENDIX 8: SPECIFIC EMERGENCY RESPONSE PLANS

APPENDIX 1: REFERENCES

1. Health Canada Drinking Water Guidelines
   www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/index_e.html
2. Provincial Drinking Water Protection Act (2003)
   www.qp.gov.bc.ca/statreg/reg/D/200_2003.htm#section8
3. Greater Vancouver Regional District – Source Water Quality and Supply
   www.gvrd.ca/water/index.htm
4. Richmond Health Services (Regional Health Authority)
   www.rhss.bc.ca/bins/index.asp
5. British Columbia Water Works Association
   www.bcwwa.org/
6. American Water Works Association
   www.awwa.org/
7. Metro Vancouver
   www.metrovancouver.org/services/water/Pages/default.aspx
8. City of Richmond
   www.richmond.ca/discover/about/demographics.htm
9. City of Richmond
   Richmond GVWD Water Consumption Document No. 555456
10. Measuring Turbidity
    www.learnnc.org/lp/media/uploads/2010/05/turbidity_chart_2.png
11. Earth Easy – Solutions for Sustainable Living
    www.eartheasy.com/live_water_saving.htm

APPENDIX 2: WATER SAMPLING SITES

	SAMPLING STATION NUMBER	WATER SAMPLING SITES
MONDAY	RMD-202	1500 Valemont Way
	RMD-203	23260 Westminster Highway
	RMD-204	3180 Granville Avenue
	RMD-205	13851 Steveston Highway
	RMD-206	4251 Moncton Street
	RMD-208	13200 No. 4 Road
	RMD-212	Opposite 8600 Ryan Road
	RMD-214	11720 Westminster Highway
	RMD-216	11080 No. 2 Road
	RMD-267	17240 Fedoruk Road
	RMD-275	5180 Smith Crescent
	RMD-276	22271 Cochrane Drive
TUESDAY	RMD-257	6640 Blundell Road
	RMD-258	7000 Blk. Dyke Road
	RMD-259	10020 Amethyst Avenue
	RMD-260	11111 Horseshoe Way
	RMD-261	9911 Sidaway Road
	RMD-262	13799 Commerce Pkwy
	RMD-263	12560 Cambie Road
	RMD-264	13100 Mitchell Road
	RMD-266	9380 General Currie Road
	RMD-268	13800 No. 3 Road
	RMD-277	Opp. 11280 Twigg Place
	RMD-278	6651 Fraserwood Place
	RMD-279	Opp. 20371 Westminster Highway
WEDNESDAY	RMD-249	23000 Block Dyke Road
	RMD-250	6071 Azure Road
	RMD-251	5951McCallan Road
	RMD-252	9751 Pendleton Road
	RMD-253	11051 No 3 Road
	RMD-254	5300 No. 3 Road
	RMD-255	6000 Blk. Miller Road
	RMD-256	1000 Blk. McDonald Road
	RMD-269	14951 Triangle Road
	RMD-270	8200 Jones Road
	RMD-271	3800 Cessna Drive
	RMD-272	751 Catalina Crescent
	RMD-273	Opp. 8331 Fairfax Place
	RMD-274	10920 Springwood Court

APPENDIX 3: 2015 WATER QUALITY RESULTS

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-204	GRAB	3180 Granville Ave.	2-Jan-15	1.1	<1	<2	6.0	<1	0.45
RMD-204	GRAB	3180 Granville Ave.	2-Jan-15	1.1	<1	<2	6.0	<1	0.45
RMD-206	GRAB	4251 Moncton St.	2-Jan-15	1.1	<1	<2	5.0	<1	0.14
RMD-216	GRAB	11080 No. 2 Rd.	2-Jan-15	0.82	<1	<2	5.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	2-Jan-15	0.87	<1	<2	6.0	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	2-Jan-15	0.93	<1	<2	5.0	<1	0.08
RMD-205	GRAB	13851 Steveston Hwy.	2-Jan-15	0.47	<1	8	6.0	<1	0.26
RMD-202	GRAB	1500 Valemont Way	2-Jan-15	0.78	<1	<2	5.0	<1	0.08
RMD-214	GRAB	11720 Westminster Hwy.	2-Jan-15	0.67	<1	<2	5.0	<1	0.17
RMD-267	GRAB	17240 Fedoruk	2-Jan-15	0.43	<1	<2	6.0	<1	0.24
RMD-249	GRAB	23000 Blk. Dyke Rd.	2-Jan-15	0.47	<1	<2	4.0	<1	0.20
RMD-276	GRAB	22271 Cochrane Drive	2-Jan-15	0.55	<1	4	6.0	<1	0.15
RMD-275	GRAB	5180 Smith Cres.	2-Jan-15	0.74	<1	<2	6.0	<1	0.08
RMD-203	GRAB	23260 Westminster Hwy.	2-Jan-15	0.76	<1	2	5.0	<1	0.10
RMD-251	GRAB	5951McCallan Rd.	5-Jan-15	1.0	<1	<2	7.0	<1	0.15
RMD-273	GRAB	Opp. 8331 Fairfax Place	5-Jan-15	0.89	<1	<2	8.0	<1	0.15
RMD-252	GRAB	9751 Pendleton Rd.	5-Jan-15	1.0	<1	<2	7.0	<1	0.11
RMD-274	GRAB	10920 Springwood Court	5-Jan-15	0.87	<1	2	7.0	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	5-Jan-15	1.0	<1	<2	6.0	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	5-Jan-15	0.88	<1	<2	7.0	<1	0.15
RMD-272	GRAB	751 Catalina Cres.	5-Jan-15	1.0	<1	<2	5.0	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	5-Jan-15	1.1	<1	<2	6.0	<1	0.22
RMD-256	GRAB	1000 Blk. McDonald Rd.	5-Jan-15	1.1	<1	<2	5.0	<1	0.12
RMD-254	GRAB	5300 No. 3 Rd.	5-Jan-15	1.1	<1	<2	6.0	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	5-Jan-15	0.99	<1	<2	6.0	<1	0.14
RMD-269	GRAB	14951 Triangle Rd.	5-Jan-15	0.50	<1	2	6.0	<1	0.26
RMD-253	GRAB	11051 No 3 Rd.	5-Jan-15	0.85	<1	<2	6.0	<1	0.08
RMD-263	GRAB	12560 Cambie Rd.	7-Jan-15	0.98	<1	<2	6.0	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	7-Jan-15	0.94	<1	<2	5.0	<1	0.14
RMD-277	GRAB	Opp. 11280 Twigg Place	7-Jan-15	0.93	<1	<2	5.0	<1	0.14
RMD-262	GRAB	13799 Commerce Pkwy.	7-Jan-15	0.63	<1	<2	5.0	<1	0.27
RMD-278	GRAB	6651 Fraserwood Place	7-Jan-15	0.56	<1	<2	7.0	<1	0.36
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	7-Jan-15	0.72	<1	<2	6.0	<1	0.21
RMD-261	GRAB	9911 Sidaway Rd.	7-Jan-15	0.54	<1	<2	6.0	<1	0.40
RMD-260	GRAB	11111 Horseshoe Way	7-Jan-15	1.1	<1	<2	5.0	<1	0.18
RMD-259	GRAB	10020 Amethyst Ave.	7-Jan-15	0.98	<1	<2	5.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	7-Jan-15	1.0	<1	<2	5.0	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	7-Jan-15	0.94	<1	<2	5.0	<1	0.13
RMD-258	GRAB	7000 Blk. Dyke Rd.	7-Jan-15	0.92	<1	<2	5.0	<1	0.11

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-257	GRAB	6640 Blundell Rd.	7-Jan-15	1.1	<1	<2	5.0	<1	0.12
RMD-204	GRAB	3180 Granville Ave.	8-Jan-15	0.94	<1	<2	6.0	<1	0.16
RMD-206	GRAB	4251 Moncton St.	8-Jan-15	0.96	<1	<2	5.0	<1	0.18
RMD-216	GRAB	11080 No. 2 Rd.	8-Jan-15	0.89	<1	2	5.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	8-Jan-15	0.94	<1	<2	5.0	<1	0.09
RMD-208	GRAB	13200 No. 4 Rd.	8-Jan-15	0.98	<1	<2	5.0	<1	0.13
RMD-205	GRAB	13851 Steveston Hwy.	8-Jan-15	0.64	<1	<2	6.0	<1	0.42
RMD-202	GRAB	1500 Valemont Way	8-Jan-15	0.83	<1	<2	5.0	<1	0.08
RMD-214	GRAB	11720 Westminster Hwy.	8-Jan-15	0.96	<1	2	5.0	<1	0.14
RMD-267	GRAB	17240 Fedoruk	8-Jan-15	0.77	<1	<2	6.0	<1	0.17
RMD-249	GRAB	23000 Blk. Dyke Rd.	8-Jan-15	0.53	<1	<2	5.0	<1	0.25
RMD-276	GRAB	22271 Cochrane Drive	8-Jan-15	0.59	<1	<2	6.0	<1	0.23
RMD-275	GRAB	5180 Smith Cres.	8-Jan-15	0.75	<1	<2	6.0	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	8-Jan-15	0.81	<1	14	5.0	<1	0.11
RMD-251	GRAB	5951McCallan Rd.	12-Jan-15	0.93	<1	<2	5.0	<1	0.11
RMD-273	GRAB	Opp. 8331 Fairfax Place	12-Jan-15	0.90	<1	<2	7.0	<1	0.34
RMD-252	GRAB	9751 Pendleton Rd.	12-Jan-15	0.91	<1	<2	6.0	<1	0.15
RMD-274	GRAB	10920 Springwood Court	12-Jan-15	1.0	<1	<2	7.0	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	12-Jan-15	0.89	<1	<2	6.0	<1	0.60
RMD-271	GRAB	3800 Cessna Drive	12-Jan-15	0.95	<1	<2	5.0	<1	0.14
RMD-272	GRAB	751 Catalina Cres.	12-Jan-15	1.0	<1	<2	6.0	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	12-Jan-15	1.0	<1	<2	5.0	<1	0.14
RMD-256	GRAB	1000 Blk. McDonald Rd.	12-Jan-15	0.87	<1	<2	6.0	<1	0.15
RMD-254	GRAB	5300 No. 3 Rd.	12-Jan-15	0.93	<1	<2	7.0	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	12-Jan-15	0.91	<1	<2	6.0	<1	0.13
RMD-269	GRAB	14951 Triangle Rd.	12-Jan-15	0.61	<1	2	6.0	<1	0.14
RMD-253	GRAB	11051 No 3 Rd.	12-Jan-15	1.1	<1	<2	5.0	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	14-Jan-15	0.70	<1	<2	5.0	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	14-Jan-15	0.75	<1	8	6.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	14-Jan-15	0.70	<1	<2	6.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	14-Jan-15	0.60	<1	<2	6.0	<1	0.13
RMD-278	GRAB	6651 Fraserwood Place	14-Jan-15	0.52	<1	<2	6.0	<1	0.20
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	14-Jan-15	0.62	<1	<2	6.0	<1	0.11
RMD-261	GRAB	9911 Sidaway Rd.	14-Jan-15	0.65	<1	<2	5.0	<1	0.16
RMD-260	GRAB	11111 Horseshoe Way	14-Jan-15	0.73	<1	<2	6.0	<1	0.09
RMD-259	GRAB	10020 Amethyst Ave.	14-Jan-15	0.71	<1	<2	5.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	14-Jan-15	0.76	<1	<2	4.0	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	14-Jan-15	0.77	<1	<2	5.0	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	14-Jan-15	0.78	<1	<2	5.0	<1	0.12
RMD-257	GRAB	6640 Blundell Rd.	14-Jan-15	0.74	<1	<2	5.0	<1	0.12

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-204	GRAB	3180 Granville Ave.	16-Jan-15	0.81	<1	<2	6.0	<1	0.14
RMD-206	GRAB	4251 Moncton St.	16-Jan-15	0.73	<1	<2	5.0	<1	0.14
RMD-216	GRAB	11080 No. 2 Rd.	16-Jan-15	0.86	<1	<2	6.0	<1	0.12
RMD-212	GRAB	Opp. 8600 Ryan Rd.	16-Jan-15	0.90	<1	<2	5.0	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	16-Jan-15	0.72	<1	<2	5.0	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	16-Jan-15	0.52	<1	<2	5.0	<1	0.22
RMD-202	GRAB	1500 Valemont Way	16-Jan-15	0.83	<1	<2	6.0	<1	0.19
RMD-214	GRAB	11720 Westminster Hwy.	16-Jan-15	1.0	<1	<2	5.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	16-Jan-15	0.52	<1	<2	6.0	<1	0.23
RMD-249	GRAB	23000 Blk. Dyke Rd.	16-Jan-15	0.47	<1	<2	5.0	<1	0.28
RMD-276	GRAB	22271 Cochrane Drive	16-Jan-15	0.54	<1	2	5.0	<1	0.22
RMD-275	GRAB	5180 Smith Cres.	16-Jan-15	0.69	<1	<2	5.0	<1	0.14
RMD-203	GRAB	23260 Westminster Hwy.	16-Jan-15	0.74	<1	<2	4.0	<1	0.12
RMD-251	GRAB	5951McCallan Rd.	19-Jan-15	0.99	<1	8	5.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	19-Jan-15	0.73	<1	<2	5.0	<1	0.15
RMD-252	GRAB	9751 Pendleton Rd.	19-Jan-15	0.90	<1	<2	6.0	<1	0.10
RMD-274	GRAB	10920 Springwood Court	19-Jan-15	0.96	<1	<2	6.0	<1	0.15
RMD-250	GRAB	6071 Azure Rd.	19-Jan-15	0.83	<1	<2	6.0	<1	0.11
RMD-271	GRAB	3800 Cessna Drive	19-Jan-15	0.94	<1	<2	6.0	<1	0.16
RMD-255	GRAB	6000 Blk. Miller Rd.	19-Jan-15	0.90	<1	<2	4.0	<1	0.21
RMD-256	GRAB	1000 Blk. McDonald Rd.	19-Jan-15	0.93	<1	<2	5.0	<1	0.14
RMD-254	GRAB	5300 No. 3 Rd.	19-Jan-15	0.86	<1	<2	5.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	19-Jan-15	0.88	<1	<2	5.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	19-Jan-15	0.84	<1	<2	5.0	<1	0.09
RMD-269	GRAB	14951 Triangle Rd.	19-Jan-15	0.55	<1	2	5.0	<1	0.14
RMD-253	GRAB	11051 No 3 Rd.	19-Jan-15	0.93	<1	<2	6.0	<1	0.09
RMD-263	GRAB	12560 Cambie Rd.	21-Jan-15	0.78	<1	<2	5.0	<1	0.10
RMD-264	GRAB	13100 Mitchell Rd.	21-Jan-15	0.86	<1	<2	5.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	21-Jan-15	0.75	<1	<2	5.0	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	21-Jan-15	0.54	<1	<2	6.0	<1	0.16
RMD-278	GRAB	6651 Fraserwood Place	21-Jan-15	0.59	<1	<2	7.0	<1	0.17
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	21-Jan-15	0.52	<1	<2	6.0	<1	0.16
RMD-261	GRAB	9911 Sidaway Rd.	21-Jan-15	0.57	<1	<2	6.0	<1	0.15
RMD-260	GRAB	11111 Horseshoe Way	21-Jan-15	0.85	<1	<2	5.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	21-Jan-15	0.77	<1	<2	6.0	<1	0.11
RMD-266	GRAB	9380 General Currie Rd.	21-Jan-15	0.87	<1	<2	5.0	<1	0.10
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	21-Jan-15	0.78	<1	<2	5.0	<1	0.10
RMD-258	GRAB	7000 Blk. Dyke Rd.	21-Jan-15	0.86	<1	<2	6.0	<1	0.09
RMD-257	GRAB	6640 Blundell Rd.	21-Jan-15	0.80	<1	<2	5.0	<1	0.92
RMD-204	GRAB	3180 Granville Ave.	22-Jan-15	1.0	<1	<2	6.0	<1	0.85

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-206	GRAB	4251 Moncton St.	22-Jan-15	0.82	<1	<2	5.0	<1	0.11
RMD-216	GRAB	11080 No. 2 Rd.	22-Jan-15	0.73	<1	<2	4.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	22-Jan-15	0.78	<1	<2	5.0	<1	0.09
RMD-208	GRAB	13200 No. 4 Rd.	22-Jan-15	0.64	<1	<2	6.0	<1	0.23
RMD-205	GRAB	13851 Steveston Hwy.	22-Jan-15	0.58	<1	<2	6.0	<1	0.28
RMD-202	GRAB	1500 Valemont Way	22-Jan-15	0.65	<1	<2	5.0	<1	0.11
RMD-214	GRAB	11720 Westminster Hwy.	22-Jan-15	0.74	<1	<2	5.0	<1	0.21
RMD-249	GRAB	23000 Blk. Dyke Rd.	22-Jan-15	0.49	<1	<2	5.0	<1	0.18
RMD-276	GRAB	22271 Cochrane Drive	22-Jan-15	0.56	<1	<2	6.0	<1	0.18
RMD-275	GRAB	5180 Smith Cres.	22-Jan-15	0.63	<1	<2	6.0	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	22-Jan-15	0.66	<1	2	4.0	<1	0.18
RMD-251	GRAB	5951McCallan Rd.	26-Jan-15	0.80	<1	<2	5.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	26-Jan-15	0.73	<1	<2	7.0	<1	0.12
RMD-252	GRAB	9751 Pendleton Rd.	26-Jan-15	0.76	<1	<2	6.0	<1	0.12
RMD-274	GRAB	10920 Springwood Court	26-Jan-15	0.74	<1	<2	7.0	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	26-Jan-15	0.79	<1	<2	6.0	<1	0.12
RMD-271	GRAB	3800 Cessna Drive	26-Jan-15	0.81	<1	<2	5.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	26-Jan-15	0.91	<1	<2	5.0	<1	0.12
RMD-255	GRAB	6000 Blk. Miller Rd.	26-Jan-15	0.88	<1	<2	5.0	<1	0.22
RMD-256	GRAB	1000 Blk. McDonald Rd.	26-Jan-15	0.84	<1	<2	5.0	<1	0.15
RMD-254	GRAB	5300 No. 3 Rd.	26-Jan-15	0.65	<1	<2	6.0	<1	0.08
RMD-270	GRAB	8200 Jones Rd.	26-Jan-15	0.74	<1	<2	6.0	<1	0.11
RMD-269	GRAB	14951 Triangle Rd.	26-Jan-15	0.53	<1	<2	6.0	<1	0.13
RMD-253	GRAB	11051 No 3 Rd.	26-Jan-15	0.83	<1	<2	5.0	<1	0.09
RMD-263	GRAB	12560 Cambie Rd.	28-Jan-15	0.81	<1	<2	5.0	<1	0.13
RMD-264	GRAB	13100 Mitchell Rd.	28-Jan-15	0.83	<1	<2	5.0	<1	0.10
RMD-277	GRAB	Opp. 11280 Twigg Place	28-Jan-15	0.76	<1	<2	6.0	<1	0.09
RMD-262	GRAB	13799 Commerce Pkwy.	28-Jan-15	0.62	<1	2	6.0	<1	0.24
RMD-278	GRAB	6651 Fraserwood Place	28-Jan-15	0.61	<1	<2	7.0	<1	0.51
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	28-Jan-15	0.70	<1	4	5.0	<1	0.38
RMD-261	GRAB	9911 Sidaway Rd.	28-Jan-15	0.73	<1	<2	7.0	<1	0.60
RMD-260	GRAB	11111 Horseshoe Way	28-Jan-15	0.84	<1	<2	5.0	<1	0.09
RMD-259	GRAB	10020 Amethyst Ave.	28-Jan-15	0.88	<1	<2	4.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	28-Jan-15	0.82	<1	<2	6.0	<1	0.09
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	28-Jan-15	0.94	<1	<2	6.0	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	28-Jan-15	0.92	<1	<2	6.0	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	28-Jan-15	0.85	<1	2	5.0	<1	0.18
RMD-204	GRAB	3180 Granville Ave.	30-Jan-15	0.85	<1	<2	5.0	<1	0.64
RMD-206	GRAB	4251 Moncton St.	30-Jan-15	0.91	<1	<2	5.0	<1	0.09
RMD-216	GRAB	11080 No. 2 Rd.	30-Jan-15	0.83	<1	<2	4.0	<1	0.09

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-212	GRAB	Opp. 8600 Ryan Rd.	30-Jan-15	0.85	<1	<2	5.0	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	30-Jan-15	0.86	<1	<2	4.0	<1	0.08
RMD-205	GRAB	13851 Steveston Hwy.	30-Jan-15	0.72	<1	<2	6.0	<1	0.49
RMD-202	GRAB	1500 Valemont Way	30-Jan-15	0.65	<1	<2	6.0	<1	0.16
RMD-214	GRAB	11720 Westminster Hwy.	30-Jan-15	0.87	<1	<2	5.0	<1	0.20
RMD-267	GRAB	17240 Fedoruk	30-Jan-15	0.58	<1	<2	7.0	<1	0.33
RMD-249	GRAB	23000 Blk. Dyke Rd.	30-Jan-15	0.59	<1	<2	6.0	<1	0.35
RMD-276	GRAB	22271 Cochrane Drive	30-Jan-15	0.58	<1	2	6.0	<1	0.31
RMD-275	GRAB	5180 Smith Cres.	30-Jan-15	0.85	<1	<2	6.0	<1	0.17
RMD-203	GRAB	23260 Westminster Hwy.	30-Jan-15	0.84	<1	<2	5.0	<1	0.15
RMD-251	GRAB	5951McCallan Rd.	2-Feb-15	0.96	<1	2	6.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	2-Feb-15	0.73	<1	<2	8.0	<1	0.13
RMD-252	GRAB	9751 Pendleton Rd.	2-Feb-15	0.75	<1	<2	7.0	<1	0.09
RMD-274	GRAB	10920 Springwood Court	2-Feb-15	0.84	<1	<2	7.0	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	2-Feb-15	0.89	<1	<2	6.0	<1	0.16
RMD-271	GRAB	3800 Cessna Drive	2-Feb-15	0.78	<1	<2	6.0	<1	0.09
RMD-272	GRAB	751 Catalina Cres.	2-Feb-15	0.95	<1	<2	6.0	<1	0.09
RMD-255	GRAB	6000 Blk. Miller Rd.	2-Feb-15	0.84	<1	<2	5.0	<1	0.22
RMD-256	GRAB	1000 Blk. McDonald Rd.	2-Feb-15	0.82	<1	<2	6.0	<1	0.14
RMD-254	GRAB	5300 No. 3 Rd.	2-Feb-15	0.78	<1	<2	7.0	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	2-Feb-15	0.88	<1	<2	7.0	<1	0.10
RMD-269	GRAB	14951 Triangle Rd.	2-Feb-15	0.52	<1	2	6.0	<1	0.14
RMD-253	GRAB	11051 No 3 Rd.	2-Feb-15	0.83	<1	<2	6.0	<1	0.11
RMD-263	GRAB	12560 Cambie Rd.	4-Feb-15	0.71	<1	<2	6.0	<1	0.16
RMD-264	GRAB	13100 Mitchell Rd.	4-Feb-15	0.75	<1	<2	6.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	4-Feb-15	0.80	<1	2	6.0	<1	0.17
RMD-262	GRAB	13799 Commerce Pkwy.	4-Feb-15	0.55	<1	4	6.0	<1	0.32
RMD-278	GRAB	6651 Fraserwood Place	4-Feb-15	0.59	<1	<2	5.0	<1	0.43
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	4-Feb-15	0.49	<1	<2	6.0	<1	0.26
RMD-261	GRAB	9911 Sidaway Rd.	4-Feb-15	0.54	<1	<2	5.0	<1	0.45
RMD-260	GRAB	11111 Horseshoe Way	4-Feb-15	0.79	<1	<2	5.0	<1	0.13
RMD-259	GRAB	10020 Amethyst Ave.	4-Feb-15	0.72	<1	<2	6.0	<1	0.09
RMD-266	GRAB	9380 General Currie Rd.	4-Feb-15	0.88	<1	<2	6.0	<1	0.10
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	4-Feb-15	0.70	<1	aminatic	6.0	<1	0.17
RMD-258	GRAB	7000 Blk. Dyke Rd.	4-Feb-15	0.84	<1	<2	6.0	<1	0.09
RMD-257	GRAB	6640 Blundell Rd.	4-Feb-15	0.91	<1	<2	ot taken]	<1	0.08
RMD-204	GRAB	3180 Granville Ave.	5-Feb-15	1.2	<1	<2	7.0	<1	0.31
RMD-206	GRAB	4251 Moncton St.	5-Feb-15	0.87	<1	12	6.0	<1	0.09
RMD-216	GRAB	11080 No. 2 Rd.	5-Feb-15	0.90	<1	2	5.0	<1	0.07
RMD-212	GRAB	Opp. 8600 Ryan Rd.	5-Feb-15	0.83	<1	14	6.0	<1	0.10

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-208	GRAB	13200 No. 4 Rd.	5-Feb-15	0.82	<1	4	6.0	<1	0.08
RMD-205	GRAB	13851 Steveston Hwy.	5-Feb-15	0.78	<1	<2	7.0	<1	0.11
RMD-202	GRAB	1500 Valemont Way	5-Feb-15	0.70	<1	2	7.0	<1	0.08
RMD-214	GRAB	11720 Westminster Hwy.	5-Feb-15	0.85	<1	4	5.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	5-Feb-15	0.59	<1	4	6.0	<1	0.17
RMD-249	GRAB	23000 Blk. Dyke Rd.	5-Feb-15	0.61	<1	<2	7.0	<1	0.15
RMD-276	GRAB	22271 Cochrane Drive	5-Feb-15	0.60	<1	<2	7.0	<1	0.14
RMD-275	GRAB	5180 Smith Cres.	5-Feb-15	0.65	<1	2	7.0	<1	0.09
RMD-203	GRAB	23260 Westminster Hwy.	5-Feb-15	0.60	<1	<2	5.0	<1	0.09
RMD-251	GRAB	5951McCallan Rd.	10-Feb-15	0.91	<1	<2	6.0	<1	0.09
RMD-273	GRAB	Opp. 8331 Fairfax Place	10-Feb-15	0.82	<1	2	8.0	<1	0.11
RMD-252	GRAB	9751 Pendleton Rd.	10-Feb-15	0.82	<1	<2	7.0	<1	0.10
RMD-274	GRAB	10920 Springwood Court	10-Feb-15	0.79	<1	2	7.0	<1	0.14
RMD-250	GRAB	6071 Azure Rd.	10-Feb-15	0.76	<1	<2	7.0	<1	1.2
RMD-271	GRAB	3800 Cessna Drive	10-Feb-15	0.84	<1	<2	6.0	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	10-Feb-15	0.79	<1	<2	6.0	<1	0.13
RMD-255	GRAB	6000 Blk. Miller Rd.	10-Feb-15	0.85	<1	<2	7.0	<1	0.17
RMD-256	GRAB	1000 Blk. McDonald Rd.	10-Feb-15	0.80	<1	<2	7.0	<1	0.09
RMD-254	GRAB	5300 No. 3 Rd.	10-Feb-15	0.74	<1	<2	7.0	<1	0.09
RMD-270	GRAB	8200 Jones Rd.	10-Feb-15	0.89	<1	<2	6.0	<1	0.10
RMD-269	GRAB	14951 Triangle Rd.	10-Feb-15	0.61	<1	<2	8.0	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	10-Feb-15	0.83	<1	<2	6.0	<1	0.08
RMD-263	GRAB	12560 Cambie Rd.	11-Feb-15	0.89	<1	<2	7.0	<1	0.11
RMD-264	GRAB	13100 Mitchell Rd.	11-Feb-15	0.93	<1	<2	7.0	<1	0.10
RMD-277	GRAB	Opp. 11280 Twigg Place	11-Feb-15	0.92	<1	<2	6.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	11-Feb-15	0.55	<1	<2	7.0	<1	0.17
RMD-278	GRAB	6651 Fraserwood Place	11-Feb-15	0.41	<1	<2	6.0	<1	0.26
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	11-Feb-15	0.55	<1	<2	7.0	<1	0.24
RMD-261	GRAB	9911 Sidaway Rd.	11-Feb-15	0.43	<1	<2	7.0	<1	0.26
RMD-260	GRAB	11111 Horseshoe Way	11-Feb-15	0.66	<1	<2	7.0	<1	0.13
RMD-259	GRAB	10020 Amethyst Ave.	11-Feb-15	0.77	<1	<2	6.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	11-Feb-15	0.73	<1	<2	7.0	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	11-Feb-15	0.77	<1	<2	7.0	<1	0.10
RMD-258	GRAB	7000 Blk. Dyke Rd.	11-Feb-15	0.90	<1	<2	7.0	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	11-Feb-15	0.77	<1	<2	6.0	<1	0.22
RMD-204	GRAB	3180 Granville Ave.	13-Feb-15	0.80	<1	<2	8.0	<1	0.11
RMD-206	GRAB	4251 Moncton St.	13-Feb-15	0.84	<1	2	7.0	<1	0.11
RMD-216	GRAB	11080 No. 2 Rd.	13-Feb-15	0.83	<1	<2	7.0	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	13-Feb-15	0.75	<1	<2	7.0	<1	0.10
RMD-208	GRAB	13200 No. 4 Rd.	13-Feb-15	0.86	<1	<2	7.0	<1	0.12

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-205	GRAB	13851 Steveston Hwy.	13-Feb-15	0.62	<1	<2	7.0	<1	0.10
RMD-202	GRAB	1500 Valemont Way	13-Feb-15	0.71	<1	<2	7.0	<1	0.11
RMD-214	GRAB	11720 Westminster Hwy.	13-Feb-15	0.76	<1	<2	7.0	<1	0.10
RMD-267	GRAB	17240 Fedoruk	13-Feb-15	0.41	<1	<2	8.0	<1	0.11
RMD-249	GRAB	23000 Blk. Dyke Rd.	13-Feb-15	0.52	<1	<2	8.0	<1	0.12
RMD-276	GRAB	22271 Cochrane Drive	13-Feb-15	0.55	<1	6	8.0	<1	0.12
RMD-275	GRAB	5180 Smith Cres.	13-Feb-15	0.56	<1	<2	8.0	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	13-Feb-15	0.59	<1	<2	7.0	<1	0.19
RMD-251	GRAB	5951McCallan Rd.	16-Feb-15	0.92	<1	<2	7.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	16-Feb-15	0.78	<1	<2	9.0	<1	0.15
RMD-252	GRAB	9751 Pendleton Rd.	16-Feb-15	0.74	<1	<2	7.0	<1	0.10
RMD-274	GRAB	10920 Springwood Court	16-Feb-15	0.92	<1	<2	8.0	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	16-Feb-15	0.74	<1	<2	8.0	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	16-Feb-15	0.96	<1	<2	7.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	16-Feb-15	0.93	<1	<2	7.0	<1	0.09
RMD-255	GRAB	6000 Blk. Miller Rd.	16-Feb-15	0.93	<1	<2	7.0	<1	0.10
RMD-256	GRAB	1000 Blk. McDonald Rd.	16-Feb-15	0.85	<1	<2	7.0	<1	0.09
RMD-254	GRAB	5300 No. 3 Rd.	16-Feb-15	0.75	<1	<2	8.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	16-Feb-15	0.87	<1	<2	8.0	<1	0.18
RMD-269	GRAB	14951 Triangle Rd.	16-Feb-15	0.63	<1	<2	7.0	<1	0.26
RMD-253	GRAB	11051 No 3 Rd.	16-Feb-15	0.88	<1	<2	7.0	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	18-Feb-15	0.88	<1	<2	7.0	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	18-Feb-15	0.90	<1	<2	8.0	<1	0.14
RMD-277	GRAB	Opp. 11280 Twigg Place	18-Feb-15	0.86	<1	<2	8.0	<1	0.15
RMD-262	GRAB	13799 Commerce Pkwy.	18-Feb-15	0.53	<1	<2	8.0	<1	0.18
RMD-278	GRAB	6651 Fraserwood Place	18-Feb-15	0.59	<1	<2	8.0	<1	0.28
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	18-Feb-15	0.64	<1	<2	6.0	<1	0.33
RMD-261	GRAB	9911 Sidaway Rd.	18-Feb-15	0.65	<1	<2	7.0	<1	0.43
RMD-260	GRAB	11111 Horseshoe Way	18-Feb-15	1.0	<1	<2	7.0	<1	0.11
RMD-259	GRAB	10020 Amethyst Ave.	18-Feb-15	0.91	<1	<2	6.0	<1	0.16
RMD-266	GRAB	9380 General Currie Rd.	18-Feb-15	0.97	<1	<2	7.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	18-Feb-15	0.93	<1	<2	7.0	<1	0.18
RMD-258	GRAB	7000 Blk. Dyke Rd.	18-Feb-15	1.0	<1	<2	7.0	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	18-Feb-15	0.99	<1	<2	6.0	<1	0.19
RMD-204	GRAB	3180 Granville Ave.	19-Feb-15	1.2	<1	<2	7.0	<1	1.5
RMD-206	GRAB	4251 Moncton St.	19-Feb-15	0.93	<1	<2	7.0	<1	0.15
RMD-216	GRAB	11080 No. 2 Rd.	19-Feb-15	0.85	<1	<2	7.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	19-Feb-15	0.75	<1	<2	7.0	<1	0.08
RMD-208	GRAB	13200 No. 4 Rd.	19-Feb-15	0.93	<1	<2	6.0	<1	0.25
RMD-205	GRAB	13851 Steveston Hwy.	19-Feb-15	0.68	<1	<2	7.0	<1	0.35

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-202	GRAB	1500 Valemont Way	19-Feb-15	0.74	<1	<2	7.0	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	19-Feb-15	0.83	<1	<2	6.0	<1	0.15
RMD-267	GRAB	17240 Fedoruk	19-Feb-15	0.62	<1	<2	8.0	<1	0.16
RMD-249	GRAB	23000 Blk. Dyke Rd.	19-Feb-15	0.61	<1	<2	8.0	<1	0.22
RMD-276	GRAB	22271 Cochrane Drive	19-Feb-15	0.58	<1	<2	7.0	<1	0.20
RMD-275	GRAB	5180 Smith Cres.	19-Feb-15	0.78	<1	<2	8.0	<1	0.12
RMD-203	GRAB	23260 Westminster Hwy.	19-Feb-15	0.77	<1	<2	7.0	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	23-Feb-15	0.86	<1	<2	9.0	<1	0.16
RMD-252	GRAB	9751 Pendleton Rd.	23-Feb-15	1.1	<1	<2	7.0	<1	0.23
RMD-274	GRAB	10920 Springwood Court	23-Feb-15	0.89	<1	4	8.0	<1	0.17
RMD-250	GRAB	6071 Azure Rd.	23-Feb-15	0.89	<1	<2	7.0	<1	0.17
RMD-271	GRAB	3800 Cessna Drive	23-Feb-15	0.96	<1	<2	6.0	<1	0.51
RMD-272	GRAB	751 Catalina Cres.	23-Feb-15	0.99	<1	<2	7.0	<1	0.16
RMD-255	GRAB	6000 Blk. Miller Rd.	23-Feb-15	1.0	<1	<2	6.0	<1	0.21
RMD-256	GRAB	1000 Blk. McDonald Rd.	23-Feb-15	0.94	<1	<2	8.0	<1	0.14
RMD-254	GRAB	5300 No. 3 Rd.	23-Feb-15	0.95	<1	<2	7.0	<1	0.11
RMD-270	GRAB	8200 Jones Rd.	23-Feb-15	0.99	<1	<2	7.0	<1	0.15
RMD-269	GRAB	14951 Triangle Rd.	23-Feb-15	0.70	<1	<2	8.0	<1	0.21
RMD-253	GRAB	11051 No 3 Rd.	23-Feb-15	0.92	<1	<2	6.0	<1	0.14
RMD-251	GRAB	5951McCallan Rd.	23-Feb-15	1.0	<1	<2	6.0	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	25-Feb-15	0.77	<1	<2	7.0	<1	0.12
RMD-258	GRAB	7000 Blk. Dyke Rd.	25-Feb-15	0.93	<1	2	7.0	<1	0.11
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	25-Feb-15	0.80	<1	<2	7.0	<1	0.11
RMD-259	GRAB	10020 Amethyst Ave.	25-Feb-15	0.79	<1	<2	7.0	<1	0.19
RMD-266	GRAB	9380 General Currie Rd.	25-Feb-15	1.1	<1	<2	7.0	<1	0.10
RMD-260	GRAB	11111 Horseshoe Way	25-Feb-15	0.93	<1	<2	7.0	<1	0.10
RMD-261	GRAB	9911 Sidaway Rd.	25-Feb-15	0.66	<1	<2	7.0	<1	0.30
RMD-264	GRAB	13100 Mitchell Rd.	25-Feb-15	0.82	<1	<2	8.0	<1	0.21
RMD-277	GRAB	Opp. 11280 Twigg Place	25-Feb-15	0.81	<1	<2	7.0	<1	0.16
RMD-263	GRAB	12560 Cambie Rd.	25-Feb-15	0.81	<1	<2	7.0	<1	0.14
RMD-262	GRAB	13799 Commerce Pkwy.	25-Feb-15	0.67	<1	2	7.0	<1	0.22
RMD-278	GRAB	6651 Fraserwood Place	25-Feb-15	0.65	<1	2	7.0	<1	0.30
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	25-Feb-15	0.64	<1	<2	6.0	<1	0.20
RMD-204	GRAB	3180 Granville Ave.	27-Feb-15	0.88	<1	<2	7.0	<1	0.34
RMD-206	GRAB	4251 Moncton St.	27-Feb-15	0.81	<1	<2	7.0	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	27-Feb-15	0.93	<1	<2	7.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	27-Feb-15	0.94	<1	<2	7.0	<1	0.09
RMD-208	GRAB	13200 No. 4 Rd.	27-Feb-15	0.98	<1	<2	7.0	<1	0.08
RMD-205	GRAB	13851 Steveston Hwy.	27-Feb-15	0.54	<1	<2	7.0	<1	0.20
RMD-202	GRAB	1500 Valemont Way	27-Feb-15	0.70	<1	<2	8.0	<1	0.08

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-214	GRAB	11720 Westminster Hwy.	27-Feb-15	0.90	<1	<2	6.0	<1	0.10
RMD-267	GRAB	17240 Fedoruk	27-Feb-15	0.66	<1	<2	9.0	<1	0.10
RMD-249	GRAB	23000 Blk. Dyke Rd.	27-Feb-15	0.68	<1	<2	6.0	<1	0.14
RMD-275	GRAB	5180 Smith Cres.	27-Feb-15	0.80	<1	<2	8.0	<1	0.09
RMD-276	GRAB	22271 Cochrane Drive	27-Feb-15	0.74	<1	<2	8.0	<1	0.11
RMD-203	GRAB	23260 Westminster Hwy.	27-Feb-15	0.77	<1	<2	6.0	<1	0.08
RMD-251	GRAB	5951McCallan Rd.	2-Mar-15	0.90	<1	<2	7.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	2-Mar-15	0.73	<1	<2	8.0	<1	0.12
RMD-274	GRAB	10920 Springwood Court	2-Mar-15	0.79	<1	<2	8.0	<1	0.18
RMD-250	GRAB	6071 Azure Rd.	2-Mar-15	0.80	<1	<2	7.0	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	2-Mar-15	0.88	<1	<2	7.0	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	2-Mar-15	0.88	<1	2	7.0	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	2-Mar-15	0.92	<1	2	7.0	<1	0.20
RMD-256	GRAB	1000 Blk. McDonald Rd.	2-Mar-15	0.78	<1	<2	7.0	<1	0.14
RMD-254	GRAB	5300 No. 3 Rd.	2-Mar-15	0.81	<1	<2	8.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	2-Mar-15	0.76	<1	<2	7.0	<1	0.13
RMD-269	GRAB	14951 Triangle Rd.	2-Mar-15	0.59	<1	<2	7.0	<1	0.20
RMD-253	GRAB	11051 No 3 Rd.	2-Mar-15	0.85	<1	<2	7.0	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	4-Mar-15	0.85	<1	<2	7.0	<1	0.10
RMD-264	GRAB	13100 Mitchell Rd.	4-Mar-15	0.81	<1	<2	7.0	<1	0.10
RMD-277	GRAB	Opp. 11280 Twigg Place	4-Mar-15	0.96	<1	<2	7.0	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	4-Mar-15	0.66	<1	<2	7.0	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	4-Mar-15	0.92	<1	<2	8.0	<1	0.10
RMD-278	GRAB	6651 Fraserwood Place	4-Mar-15	0.62	<1	2	8.0	<1	0.15
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	4-Mar-15	0.65	<1	<2	7.0	<1	0.09
RMD-261	GRAB	9911 Sidaway Rd.	4-Mar-15	0.67	<1	<2	7.0	<1	0.15
RMD-260	GRAB	11111 Horseshoe Way	4-Mar-15	0.88	<1	<2	7.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	4-Mar-15	0.85	<1	<2	8.0	<1	0.09
RMD-266	GRAB	9380 General Currie Rd.	4-Mar-15	0.95	<1	<2	7.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	4-Mar-15	0.86	<1	2	7.0	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	4-Mar-15	1.0	<1	<2	6.0	<1	0.10
RMD-204	GRAB	3180 Granville Ave.	5-Mar-15	0.94	<1	<2	7.0	<1	0.29
RMD-252	GRAB	9751 Pendleton Rd.	5-Mar-15	0.86	<1	<2	7.0	<1	0.12
RMD-206	GRAB	4251 Moncton St.	5-Mar-15	0.86	<1	<2	7.0	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	5-Mar-15	0.83	<1	<2	7.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	5-Mar-15	0.71	<1	<2	6.0	<1	0.09
RMD-208	GRAB	13200 No. 4 Rd.	5-Mar-15	0.75	<1	<2	7.0	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	5-Mar-15	0.76	<1	<2	6.0	<1	0.22
RMD-202	GRAB	1500 Valemont Way	5-Mar-15	0.78	<1	6	7.0	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	5-Mar-15	1.1	<1	<2	6.0	<1	0.14

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-267	GRAB	17240 Fedoruk	5-Mar-15	0.68	<1	<2	8.0	<1	0.17
RMD-249	GRAB	23000 Blk. Dyke Rd.	5-Mar-15	0.64	<1	<2	7.0	<1	0.31
RMD-275	GRAB	5180 Smith Cres.	5-Mar-15	0.65	<1	<2	7.0	<1	0.12
RMD-276	GRAB	22271 Cochrane Drive	5-Mar-15	0.61	<1	<2	7.0	<1	0.27
RMD-203	GRAB	23260 Westminster Hwy.	5-Mar-15	0.81	<1	2	5.0	<1	0.11
RMD-251	GRAB	5951McCallan Rd.	9-Mar-15	0.90	<1	<2	7.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	9-Mar-15	0.84	<1	<2	8.0	<1	0.12
RMD-252	GRAB	9751 Pendleton Rd.	9-Mar-15	0.89	<1	2	7.0	<1	0.17
RMD-274	GRAB	10920 Springwood Court	9-Mar-15	0.83	<1	<2	8.0	<1	0.15
RMD-250	GRAB	6071 Azure Rd.	9-Mar-15	0.91	<1	<2	8.0	<1	0.18
RMD-271	GRAB	3800 Cessna Drive	9-Mar-15	0.88	<1	<2	7.0	<1	0.12
RMD-272	GRAB	751 Catalina Cres.	9-Mar-15	0.91	<1	<2	8.0	<1	0.20
RMD-255	GRAB	6000 Blk. Miller Rd.	9-Mar-15	0.90	<1	<2	8.0	<1	0.17
RMD-256	GRAB	1000 Blk. McDonald Rd.	9-Mar-15	0.37	<1	<2	9.0	<1	0.49
RMD-254	GRAB	5300 No. 3 Rd.	9-Mar-15	0.81	<1	<2	7.0	<1	0.11
RMD-270	GRAB	8200 Jones Rd.	9-Mar-15	0.84	<1	<2	8.0	<1	0.13
RMD-269	GRAB	14951 Triangle Rd.	9-Mar-15	0.62	<1	<2	8.0	<1	0.20
RMD-253	GRAB	11051 No 3 Rd.	9-Mar-15	0.85	<1	<2	7.0	<1	0.10
RMD-263	GRAB	12560 Cambie Rd.	11-Mar-15	0.87	<1	<2	8.0	<1	0.10
RMD-264	GRAB	13100 Mitchell Rd.	11-Mar-15	0.96	<1	<2	8.0	<1	0.10
RMD-277	GRAB	Opp. 11280 Twigg Place	11-Mar-15	0.91	<1	<2	8.0	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	11-Mar-15	0.72	<1	<2	7.0	<1	0.15
RMD-278	GRAB	6651 Fraserwood Place	11-Mar-15	0.59	<1	<2	8.0	<1	0.14
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	11-Mar-15	0.81	<1	<2	7.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	11-Mar-15	1.0	<1	<2	7.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	11-Mar-15	0.88	<1	<2	7.0	<1	0.09
RMD-266	GRAB	9380 General Currie Rd.	11-Mar-15	1.1	<1	<2	7.0	<1	0.18
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	11-Mar-15	0.83	<1	<2	7.0	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	11-Mar-15	0.88	<1	2	7.0	<1	0.08
RMD-257	GRAB	6640 Blundell Rd.	11-Mar-15	0.97	<1	<2	7.0	<1	0.13
RMD-204	GRAB	3180 Granville Ave.	13-Mar-15	0.69	<1	<2	8.0	<1	2.1
RMD-206	GRAB	4251 Moncton St.	13-Mar-15	0.71	<1	<2	7.0	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	13-Mar-15	0.90	<1	<2	6.0	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	13-Mar-15	0.76	<1	aminatio	7.0	<1	0.59
RMD-208	GRAB	13200 No. 4 Rd.	13-Mar-15	1.0	<1	<2	7.0	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	13-Mar-15	0.83	<1	<2	7.0	<1	0.33
RMD-202	GRAB	1500 Valemont Way	13-Mar-15	0.65	<1	<2	8.0	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	13-Mar-15	0.73	<1	<2	6.0	<1	0.17
RMD-267	GRAB	17240 Fedoruk	13-Mar-15	0.71	<1	2	8.0	<1	0.19
RMD-249	GRAB	23000 Blk. Dyke Rd.	13-Mar-15	0.50	<1	<2	8.0	<1	0.27

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-276	GRAB	22271 Cochrane Drive	13-Mar-15	0.51	<1	<2	7.0	<1	0.31
RMD-275	GRAB	5180 Smith Cres.	13-Mar-15	0.81	<1	<2	8.0	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	13-Mar-15	0.67	<1	<2	6.0	<1	0.10
RMD-251	GRAB	5951McCallan Rd.	16-Mar-15	0.99	<1	<2	7.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	16-Mar-15	0.86	<1	<2	9.0	<1	0.11
RMD-252	GRAB	9751 Pendleton Rd.	16-Mar-15	0.89	<1	<2	8.0	<1	0.11
RMD-274	GRAB	10920 Springwood Court	16-Mar-15	0.92	<1	<2	9.0	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	16-Mar-15	0.69	<1	<2	8.0	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	16-Mar-15	0.94	<1	<2	8.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	16-Mar-15	1.0	<1	6	7.0	<1	0.09
RMD-255	GRAB	6000 Blk. Miller Rd.	16-Mar-15	0.95	<1	2	6.0	<1	0.16
RMD-256	GRAB	1000 Blk. McDonald Rd.	16-Mar-15	0.81	<1	<2	6.0	<1	0.44
RMD-254	GRAB	5300 No. 3 Rd.	16-Mar-15	0.85	<1	<2	7.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	16-Mar-15	0.87	<1	<2	8.0	<1	0.09
RMD-269	GRAB	14951 Triangle Rd.	16-Mar-15	0.77	<1	<2	7.0	<1	0.10
RMD-253	GRAB	11051 No 3 Rd.	16-Mar-15	0.88	<1	<2	7.0	<1	0.10
RMD-263	GRAB	12560 Cambie Rd.	18-Mar-15	1.1	<1	<2	8.0	<1	0.11
RMD-264	GRAB	13100 Mitchell Rd.	18-Mar-15	0.99	<1	2	9.0	<1	0.09
RMD-277	GRAB	Opp. 11280 Twigg Place	18-Mar-15	0.89	<1	28	9.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	18-Mar-15	0.63	<1	<2	9.0	<1	0.16
RMD-278	GRAB	6651 Fraserwood Place	18-Mar-15	0.52	<1	<2	9.0	<1	0.28
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	18-Mar-15	0.64	<1	2	8.0	<1	0.18
RMD-261	GRAB	9911 Sidaway Rd.	18-Mar-15	0.60	<1	<2	8.0	<1	0.37
RMD-260	GRAB	11111 Horseshoe Way	18-Mar-15	0.90	<1	<2	8.0	<1	0.14
RMD-259	GRAB	10020 Amethyst Ave.	18-Mar-15	0.88	<1	<2	8.0	<1	0.09
RMD-266	GRAB	9380 General Currie Rd.	18-Mar-15	0.88	<1	<2	8.0	<1	0.10
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	18-Mar-15	0.83	<1	<2	8.0	<1	0.12
RMD-258	GRAB	7000 Blk. Dyke Rd.	18-Mar-15	0.92	<1	<2	9.0	<1	0.11
RMD-257	GRAB	6640 Blundell Rd.	18-Mar-15	0.93	<1	<2	8.0	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	19-Mar-15	0.96	<1	<2	9.0	<1	0.16
RMD-206	GRAB	4251 Moncton St.	19-Mar-15	0.94	<1	<2	8.0	<1	0.09
RMD-216	GRAB	11080 No. 2 Rd.	19-Mar-15	0.96	<1	<2	8.0	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	19-Mar-15	0.98	<1	4	8.0	<1	0.24
RMD-208	GRAB	13200 No. 4 Rd.	19-Mar-15	0.96	<1	<2	9.0	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	19-Mar-15	0.76	<1	<2	9.0	<1	0.11
RMD-202	GRAB	1500 Valemont Way	19-Mar-15	0.64	<1	<2	8.0	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	19-Mar-15	0.82	<1	<2	8.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	19-Mar-15	0.62	<1	2	10	<1	0.22
RMD-249	GRAB	23000 Blk. Dyke Rd.	19-Mar-15	0.66	<1	<2	9.0	<1	0.30
RMD-276	GRAB	22271 Cochrane Drive	19-Mar-15	0.56	<1	<2	9.0	<1	0.24

PWT - 76

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-275	GRAB	5180 Smith Cres.	19-Mar-15	0.70	<1	4	8.0	<1	0.08
RMD-203	GRAB	23260 Westminster Hwy.	19-Mar-15	0.77	<1	<2	8.0	<1	0.10
RMD-251	GRAB	5951McCallan Rd.	23-Mar-15	0.78	<1	<2	7.0	<1	0.07
RMD-273	GRAB	Opp. 8331 Fairfax Place	23-Mar-15	0.80	<1	<2	9.0	<1	0.12
RMD-252	GRAB	9751 Pendleton Rd.	23-Mar-15	0.82	<1	<2	7.0	<1	0.10
RMD-274	GRAB	10920 Springwood Court	23-Mar-15	0.62	<1	<2	9.0	<1	0.15
RMD-250	GRAB	6071 Azure Rd.	23-Mar-15	0.79	<1	<2	8.0	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	23-Mar-15	0.81	<1	<2	8.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	23-Mar-15	0.81	<1	<2	7.0	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	23-Mar-15	0.76	<1	<2	6.0	<1	0.22
RMD-256	GRAB	1000 Blk. McDonald Rd.	23-Mar-15	0.85	<1	<2	8.0	<1	0.12
RMD-254	GRAB	5300 No. 3 Rd.	23-Mar-15	0.83	<1	<2	6.0	<1	0.08
RMD-270	GRAB	8200 Jones Rd.	23-Mar-15	0.82	<1	<2	7.0	<1	0.11
RMD-269	GRAB	14951 Triangle Rd.	23-Mar-15	0.52	<1	<2	8.0	<1	0.26
RMD-253	GRAB	11051 No 3 Rd.	23-Mar-15	0.86	<1	<2	8.0	<1	0.23
RMD-263	GRAB	12560 Cambie Rd.	25-Mar-15	0.85	<1	<2	8.0	<1	0.13
RMD-264	GRAB	13100 Mitchell Rd.	25-Mar-15	0.72	<1	<2	8.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	25-Mar-15	0.66	<1	<2	9.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	25-Mar-15	0.54	<1	<2	8.0	<1	0.20
RMD-278	GRAB	6651 Fraserwood Place	25-Mar-15	0.50	<1	<2	8.0	<1	0.30
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	25-Mar-15	0.51	<1	<2	8.0	<1	0.34
RMD-261	GRAB	9911 Sidaway Rd.	25-Mar-15	0.55	<1	<2	8.0	<1	0.54
RMD-260	GRAB	11111 Horseshoe Way	25-Mar-15	0.83	<1	<2	7.0	<1	0.14
RMD-259	GRAB	10020 Amethyst Ave.	25-Mar-15	0.90	<1	<2	8.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	25-Mar-15	0.86	<1	<2	8.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	25-Mar-15	0.86	<1	<2	8.0	<1	0.13
RMD-258	GRAB	7000 Blk. Dyke Rd.	25-Mar-15	0.93	<1	<2	8.0	<1	0.11
RMD-257	GRAB	6640 Blundell Rd.	25-Mar-15	0.91	<1	<2	7.0	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	27-Mar-15	0.85	<1	<2	8.0	<1	1.4
RMD-206	GRAB	4251 Moncton St.	27-Mar-15	0.87	<1	<2	8.0	<1	0.10
RMD-216	GRAB	11080 No. 2 Rd.	27-Mar-15	0.86	<1	<2	7.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	27-Mar-15	0.79	<1	<2	6.0	<1	0.08
RMD-208	GRAB	13200 No. 4 Rd.	27-Mar-15	0.88	<1	<2	8.0	<1	0.09
RMD-205	GRAB	13851 Steveston Hwy.	27-Mar-15	0.67	<1	<2	9.0	<1	0.14
RMD-202	GRAB	1500 Valemont Way	27-Mar-15	0.63	<1	2	9.0	<1	0.13
RMD-214	GRAB	11720 Westminster Hwy.	27-Mar-15	0.67	<1	<2	6.0	<1	0.14
RMD-267	GRAB	17240 Fedoruk	27-Mar-15	0.53	<1	<2	10	<1	0.18
RMD-249	GRAB	23000 Blk. Dyke Rd.	27-Mar-15	0.49	<1	<2	10	<1	0.28
RMD-276	GRAB	22271 Cochrane Drive	27-Mar-15	0.52	<1	<2	9.0	<1	0.25
RMD-275	GRAB	5180 Smith Cres.	27-Mar-15	0.62	<1	<2	8.0	<1	0.08

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-203	GRAB	23260 Westminster Hwy.	27-Mar-15	0.73	<1	<2	7.0	<1	0.07
RMD-254	GRAB	5300 No. 3 Rd.	30-Mar-15	0.84	<1	<2	8.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	30-Mar-15	0.81	<1	<2	8.0	<1	0.19
RMD-269	GRAB	14951 Triangle Rd.	30-Mar-15	0.55	<1	<2	9.0	<1	0.32
RMD-253	GRAB	11051 No 3 Rd.	30-Mar-15	0.73	<1	<2	7.0	<1	0.18
RMD-274	GRAB	10920 Springwood Court	30-Mar-15	0.89	<1	<2	9.0	<1	0.14
RMD-252	GRAB	9751 Pendleton Rd.	30-Mar-15	0.83	<1	<2	8.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	30-Mar-15	0.79	<1	<2	10	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	30-Mar-15	0.83	<1	<2	9.0	<1	0.11
RMD-271	GRAB	3800 Cessna Drive	30-Mar-15	0.85	<1	<2	8.0	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	30-Mar-15	0.89	<1	<2	7.0	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	30-Mar-15	0.86	<1	<2	7.0	<1	0.23
RMD-256	GRAB	1000 Blk. McDonald Rd.	30-Mar-15	0.86	<1	<2	8.0	<1	0.48
RMD-251	GRAB	5951McCallan Rd.	30-Mar-15	0.87	<1	<2	9.0	<1	0.11
RMD-278	GRAB	6651 Fraserwood Place	31-Mar-15	0.48	<1	2	10	<1	0.30
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	31-Mar-15	0.68	<1	<2	8.0	<1	0.25
RMD-262	GRAB	13799 Commerce Pkwy.	31-Mar-15	0.56	<1	<2	8.0	<1	0.21
RMD-264	GRAB	13100 Mitchell Rd.	31-Mar-15	0.84	<1	<2	9.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	31-Mar-15	0.78	<1	<2	11	<1	0.15
RMD-263	GRAB	12560 Cambie Rd.	31-Mar-15	0.39	<1	<2	8.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	31-Mar-15	0.90	<1	<2	8.0	<1	0.13
RMD-259	GRAB	10020 Amethyst Ave.	31-Mar-15	0.81	<1	<2	8.0	<1	0.11
RMD-266	GRAB	9380 General Currie Rd.	31-Mar-15	0.90	<1	<2	8.0	<1	0.11
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	31-Mar-15	0.93	<1	<2	9.0	<1	0.26
RMD-258	GRAB	7000 Blk. Dyke Rd.	31-Mar-15	1.0	<1	<2	9.0	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	31-Mar-15	0.84	<1	<2	7.0	<1	0.24
RMD-204	GRAB	3180 Granville Ave.	1-Apr-15	0.96	<1	<2	10	<1	0.17
RMD-206	GRAB	4251 Moncton St.	1-Apr-15	0.75	<1	<2	9.0	<1	0.10
RMD-216	GRAB	11080 No. 2 Rd.	1-Apr-15	0.86	<1	<2	8.0	<1	0.11
RMD-212	GRAB	Opp. 8600 Ryan Rd.	1-Apr-15	0.78	<1	<2	8.0	<1	0.13
RMD-208	GRAB	13200 No. 4 Rd.	1-Apr-15	0.87	<1	<2	8.0	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	1-Apr-15	0.62	<1	<2	8.0	<1	0.36
RMD-202	GRAB	1500 Valemont Way	1-Apr-15	0.66	<1	<2	9.0	<1	0.09
RMD-214	GRAB	11720 Westminster Hwy.	1-Apr-15	0.93	<1	<2	7.0	<1	0.15
RMD-267	GRAB	17240 Fedoruk	1-Apr-15	0.42	<1	<2	10	<1	0.29
RMD-249	GRAB	23000 Blk. Dyke Rd.	1-Apr-15	0.32	<1	<2	10	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	1-Apr-15	0.43	<1	<2	9.0	<1	0.21
RMD-275	GRAB	5180 Smith Cres.	1-Apr-15	0.70	<1	<2	9.0	<1	0.09
RMD-203	GRAB	23260 Westminster Hwy.	1-Apr-15	0.70	<1	<2	7.0	<1	0.11
RMD-273	GRAB	Opp. 8331 Fairfax Place	7-Apr-15	0.72	<1	<2	12	<1	0.19

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-252	GRAB	9751 Pendleton Rd.	7-Apr-15	0.73	<1	<2	12	<1	0.12
RMD-274	GRAB	10920 Springwood Court	7-Apr-15	0.76	<1	<2	12	<1	0.24
RMD-250	GRAB	6071 Azure Rd.	7-Apr-15	0.54	<1	<2	9.0	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	7-Apr-15	0.85	<1	<2	8.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	7-Apr-15	0.82	<1	28	8.0	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	7-Apr-15	0.86	<1	<2	8.0	<1	0.12
RMD-256	GRAB	1000 Blk. McDonald Rd.	7-Apr-15	0.80	<1	<2	10	<1	0.51
RMD-254	GRAB	5300 No. 3 Rd.	7-Apr-15	0.77	<1	<2	8.0	<1	0.09
RMD-270	GRAB	8200 Jones Rd.	7-Apr-15	0.80	<1	<2	9.0	<1	0.10
RMD-269	GRAB	14951 Triangle Rd.	7-Apr-15	0.31	<1	<2	9.0	<1	0.34
RMD-253	GRAB	11051 No 3 Rd.	7-Apr-15	0.83	<1	<2	8.0	<1	0.11
RMD-263	GRAB	12560 Cambie Rd.	8-Apr-15	0.77	<1	<2	9.0	<1	0.22
RMD-264	GRAB	13100 Mitchell Rd.	8-Apr-15	1.1	<1	<2	9.0	<1	0.18
RMD-277	GRAB	Opp. 11280 Twigg Place	8-Apr-15	0.84	<1	<2	9.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	8-Apr-15	0.72	<1	<2	9.0	<1	0.11
RMD-278	GRAB	6651 Fraserwood Place	8-Apr-15	0.79	<1	<2	9.0	<1	0.17
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	8-Apr-15	0.93	<1	<2	9.0	<1	0.33
RMD-261	GRAB	9911 Sidaway Rd.	8-Apr-15	0.60	<1	<2	8.0	<1	0.26
RMD-260	GRAB	11111 Horseshoe Way	8-Apr-15	0.80	<1	<2	8.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	8-Apr-15	0.91	<1	<2	9.0	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	8-Apr-15	0.94	<1	<2	8.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	8-Apr-15	0.78	<1	<2	9.0	<1	0.12
RMD-258	GRAB	7000 Blk. Dyke Rd.	8-Apr-15	1.0	<1	12	9.0	<1	0.09
RMD-257	GRAB	6640 Blundell Rd.	8-Apr-15	0.87	<1	<2	9.0	<1	0.19
RMD-204	GRAB	3180 Granville Ave.	10-Apr-15	0.80	<1	<2	9.0	<1	0.14
RMD-206	GRAB	4251 Moncton St.	10-Apr-15	0.86	<1	<2	8.0	<1	0.13
RMD-216	GRAB	11080 No. 2 Rd.	10-Apr-15	1.0	<1	<2	8.0	<1	0.22
RMD-212	GRAB	Opp. 8600 Ryan Rd.	10-Apr-15	0.89	<1	<2	8.0	<1	0.16
RMD-208	GRAB	13200 No. 4 Rd.	10-Apr-15	0.95	<1	<2	8.0	<1	0.13
RMD-205	GRAB	13851 Steveston Hwy.	10-Apr-15	0.77	<1	<2	9.0	<1	0.08
RMD-202	GRAB	1500 Valemont Way	10-Apr-15	0.71	<1	<2	8.0	<1	0.14
RMD-214	GRAB	11720 Westminster Hwy.	10-Apr-15	0.86	<1	<2	9.0	<1	0.17
RMD-267	GRAB	17240 Fedoruk	10-Apr-15	0.71	<1	<2	9.0	<1	0.09
RMD-249	GRAB	23000 Blk. Dyke Rd.	10-Apr-15	0.68	<1	<2	8.0	<1	0.12
RMD-276	GRAB	22271 Cochrane Drive	10-Apr-15	0.75	<1	2	10	<1	0.11
RMD-275	GRAB	5180 Smith Cres.	10-Apr-15	0.76	<1	<2	9.0	<1	0.09
RMD-203	GRAB	23260 Westminster Hwy.	10-Apr-15	0.74	<1	<2	8.0	<1	0.09
RMD-251	GRAB	5951McCallan Rd.	13-Apr-15	0.85	<1	<2	9.0	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	13-Apr-15	0.85	<1	<2	11	<1	0.19
RMD-252	GRAB	9751 Pendleton Rd.	13-Apr-15	0.88	<1	<2	10	<1	0.16

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-274	GRAB	10920 Springwood Court	13-Apr-15	0.88	<1	<2	10	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	13-Apr-15	1.0	<1	<2	10	<1	0.14
RMD-271	GRAB	3800 Cessna Drive	13-Apr-15	1.2	<1	<2	9.0	<1	0.14
RMD-272	GRAB	751 Catalina Cres.	13-Apr-15	1.2	<1	<2	9.0	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	13-Apr-15	1.1	<1	<2	9.0	<1	0.23
RMD-256	GRAB	1000 Blk. McDonald Rd.	13-Apr-15	1.4	<1	<2	10	<1	0.15
RMD-254	GRAB	5300 No. 3 Rd.	13-Apr-15	1.0	<1	<2	9.0	<1	0.16
RMD-270	GRAB	8200 Jones Rd.	13-Apr-15	0.93	<1	<2	10	<1	0.11
RMD-269	GRAB	14951 Triangle Rd.	13-Apr-15	0.79	<1	<2	9.0	<1	0.13
RMD-253	GRAB	11051 No 3 Rd.	13-Apr-15	1.1	<1	<2	9.0	<1	0.14
RMD-263	GRAB	12560 Cambie Rd.	15-Apr-15	1.0	<1	<2	8.0	<1	0.16
RMD-264	GRAB	13100 Mitchell Rd.	15-Apr-15	0.91	<1	2	9.0	<1	0.14
RMD-277	GRAB	Opp. 11280 Twigg Place	15-Apr-15	1.1	<1	<2	8.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	15-Apr-15	0.73	<1	<2	9.0	<1	0.11
RMD-278	GRAB	6651 Fraserwood Place	15-Apr-15	0.71	<1	<2	9.0	<1	0.15
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	15-Apr-15	0.77	<1	<2	8.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	15-Apr-15	1.0	<1	<2	9.0	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	15-Apr-15	1.1	<1	<2	8.0	<1	0.20
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	15-Apr-15	0.74	<1	<2	9.0	<1	0.17
RMD-258	GRAB	7000 Blk. Dyke Rd.	15-Apr-15	0.83	<1	<2	10	<1	0.17
RMD-257	GRAB	6640 Blundell Rd.	15-Apr-15	0.94	<1	<2	7.0	<1	0.13
RMD-204	GRAB	3180 Granville Ave.	16-Apr-15	1.0	<1	<2	9.0	<1	0.15
RMD-206	GRAB	4251 Moncton St.	16-Apr-15	0.89	<1	<2	9.0	<1	0.16
RMD-216	GRAB	11080 No. 2 Rd.	16-Apr-15	0.93	<1	<2	8.0	<1	0.13
RMD-212	GRAB	Opp. 8600 Ryan Rd.	16-Apr-15	0.96	<1	<2	8.0	<1	0.15
RMD-208	GRAB	13200 No. 4 Rd.	16-Apr-15	0.83	<1	<2	10	<1	0.18
RMD-205	GRAB	13851 Steveston Hwy.	16-Apr-15	0.81	<1	<2	8.0	<1	0.13
RMD-202	GRAB	1500 Valemont Way	16-Apr-15	0.80	<1	<2	8.0	<1	0.13
RMD-214	GRAB	11720 Westminster Hwy.	16-Apr-15	0.79	<1	<2	7.0	<1	0.15
RMD-267	GRAB	17240 Fedoruk	16-Apr-15	0.70	<1	<2	10	<1	0.10
RMD-249	GRAB	23000 Blk. Dyke Rd.	16-Apr-15	0.62	<1	<2	9.0	<1	0.15
RMD-276	GRAB	22271 Cochrane Drive	16-Apr-15	0.71	<1	<2	9.0	<1	0.13
RMD-275	GRAB	5180 Smith Cres.	16-Apr-15	0.78	<1	<2	9.0	<1	0.12
RMD-203	GRAB	23260 Westminster Hwy.	16-Apr-15	0.73	<1	2	7.0	<1	0.08
RMD-251	GRAB	5951McCallan Rd.	20-Apr-15	0.77	<1	<2	9.0	<1	0.09
RMD-273	GRAB	Opp. 8331 Fairfax Place	20-Apr-15	0.71	<1	<2	15	<1	0.13
RMD-252	GRAB	9751 Pendleton Rd.	20-Apr-15	0.84	<1	<2	9.0	<1	0.10
RMD-274	GRAB	10920 Springwood Court	20-Apr-15	0.87	<1	<2	11	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	20-Apr-15	0.69	<1	2	11	<1	0.14
RMD-269	GRAB	14951 Triangle Rd.	20-Apr-15	0.92	<1	<2	10	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-270	GRAB	8200 Jones Rd.	20-Apr-15	0.85	<1	<2	10	<1	0.10
RMD-254	GRAB	5300 No. 3 Rd.	20-Apr-15	0.89	<1	70	9.0	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	20-Apr-15	0.92	<1	<2	8.0	<1	0.13
RMD-256	GRAB	1000 Blk. McDonald Rd.	20-Apr-15	0.85	<1	<2	10	<1	0.42
RMD-271	GRAB	3800 Cessna Drive	20-Apr-15	0.87	<1	<2	9.0	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	20-Apr-15	0.98	<1	<2	10	<1	0.12
RMD-250	GRAB	6071 Azure Rd.	20-Apr-15	0.88	<1	<2	10	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	22-Apr-15	0.84	<1	<2	9.0	<1	0.10
RMD-264	GRAB	13100 Mitchell Rd.	22-Apr-15	0.84	<1	<2	11	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	22-Apr-15	0.89	<1	<2	10	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	22-Apr-15	0.45	<1	<2	9.0	<1	0.28
RMD-278	GRAB	6651 Fraserwood Place	22-Apr-15	0.73	<1	<2	10	<1	0.17
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	22-Apr-15	0.72	<1	<2	9.0	<1	0.22
RMD-261	GRAB	9911 Sidaway Rd.	22-Apr-15	0.69	<1	2	9.0	<1	0.12
RMD-260	GRAB	11111 Horseshoe Way	22-Apr-15	0.76	<1	<2	9.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	22-Apr-15	0.70	<1	<2	10	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	22-Apr-15	0.90	<1	<2	9.0	<1	0.19
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	22-Apr-15	0.83	<1	<2	9.0	<1	0.16
RMD-258	GRAB	7000 Blk. Dyke Rd.	22-Apr-15	0.82	<1	<2	9.0	<1	0.11
RMD-257	GRAB	6640 Blundell Rd.	22-Apr-15	0.89	<1	<2	9.0	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	24-Apr-15	0.79	<1	<2	10	<1	0.15
RMD-206	GRAB	4251 Moncton St.	24-Apr-15	0.86	<1	<2	9.0	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	24-Apr-15	0.96	<1	<2	9.0	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	24-Apr-15	0.91	<1	<2	8.0	<1	0.13
RMD-208	GRAB	13200 No. 4 Rd.	24-Apr-15	0.90	<1	<2	8.0	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	24-Apr-15	0.71	<1	<2	8.0	<1	0.15
RMD-202	GRAB	1500 Valemont Way	24-Apr-15	0.72	<1	<2	8.0	<1	0.10
RMD-214	GRAB	11720 Westminster Hwy.	24-Apr-15	0.81	<1	<2	9.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	24-Apr-15	0.71	<1	2	11	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	24-Apr-15	0.69	<1	<2	10	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	24-Apr-15	0.65	<1	<2	10	<1	0.13
RMD-275	GRAB	5180 Smith Cres.	24-Apr-15	0.73	<1	<2	10	<1	0.14
RMD-203	GRAB	23260 Westminster Hwy.	24-Apr-15	0.65	<1	<2	7.0	<1	0.13
RMD-251	GRAB	5951McCallan Rd.	27-Apr-15	0.99	<1	2	9.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	27-Apr-15	0.73	<1	<2	12	<1	0.63
RMD-252	GRAB	9751 Pendleton Rd.	27-Apr-15	0.86	<1	<2	10	<1	0.11
RMD-274	GRAB	10920 Springwood Court	27-Apr-15	0.86	<1	2	12	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	27-Apr-15	0.82	<1	<2	10	<1	0.11
RMD-271	GRAB	3800 Cessna Drive	27-Apr-15	0.86	<1	<2	10	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	27-Apr-15	0.91	<1	<2	10	<1	0.10

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-255	GRAB	6000 Blk. Miller Rd.	27-Apr-15	0.89	<1	<2	9.0	<1	0.20
RMD-256	GRAB	1000 Blk. McDonald Rd.	27-Apr-15	0.83	<1	<2	10	<1	0.80
RMD-254	GRAB	5300 No. 3 Rd.	27-Apr-15	0.77	<1	<2	10	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	27-Apr-15	0.87	<1	<2	10	<1	0.09
RMD-269	GRAB	14951 Triangle Rd.	27-Apr-15	0.69	<1	<2	10	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	27-Apr-15	0.85	<1	2	9.0	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	29-Apr-15	0.89	<1	<2	9.0	<1	0.09
RMD-264	GRAB	13100 Mitchell Rd.	29-Apr-15	0.85	<1	<2	10	<1	0.08
RMD-277	GRAB	Opp. 11280 Twigg Place	29-Apr-15	0.75	<1	<2	11	<1	0.09
RMD-262	GRAB	13799 Commerce Pkwy.	29-Apr-15	0.77	<1	<2	10	<1	0.09
RMD-278	GRAB	6651 Fraserwood Place	29-Apr-15	0.72	<1	<2	10	<1	0.10
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	29-Apr-15	0.76	<1	<2	9.0	<1	0.11
RMD-261	GRAB	9911 Sidaway Rd.	29-Apr-15	0.69	<1	<2	10	<1	0.10
RMD-260	GRAB	11111 Horseshoe Way	29-Apr-15	0.72	<1	<2	9.0	<1	0.08
RMD-259	GRAB	10020 Amethyst Ave.	29-Apr-15	0.88	<1	<2	9.0	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	29-Apr-15	0.82	<1	<2	10	<1	0.09
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	29-Apr-15	0.84	<1	<2	11	<1	0.19
RMD-258	GRAB	7000 Blk. Dyke Rd.	29-Apr-15	1.0	<1	<2	11	<1	0.12
RMD-257	GRAB	6640 Blundell Rd.	29-Apr-15	0.84	<1	<2	8.0	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	30-Apr-15	0.89	<1	<2	11	<1	0.46
RMD-206	GRAB	4251 Moncton St.	30-Apr-15	0.81	<1	2	9.0	<1	0.08
RMD-216	GRAB	11080 No. 2 Rd.	30-Apr-15	0.82	<1	<2	9.0	<1	0.09
RMD-212	GRAB	Opp. 8600 Ryan Rd.	30-Apr-15	0.78	<1	<2	9.0	<1	0.10
RMD-208	GRAB	13200 No. 4 Rd.	30-Apr-15	0.76	<1	<2	10	<1	0.09
RMD-205	GRAB	13851 Steveston Hwy.	30-Apr-15	0.85	<1	<2	9.0	<1	0.11
RMD-202	GRAB	1500 Valemont Way	30-Apr-15	0.78	<1	<2	9.0	<1	0.08
RMD-214	GRAB	11720 Westminster Hwy.	30-Apr-15	1.0	<1	<2	8.0	<1	0.09
RMD-267	GRAB	17240 Fedoruk	30-Apr-15	0.76	<1	<2	10	<1	0.08
RMD-249	GRAB	23000 Blk. Dyke Rd.	30-Apr-15	0.72	<1	<2	11	<1	0.13
RMD-276	GRAB	22271 Cochrane Drive	30-Apr-15	0.72	<1	<2	10	<1	0.12
RMD-275	GRAB	5180 Smith Cres.	30-Apr-15	0.73	<1	<2	11	<1	0.09
RMD-203	GRAB	23260 Westminster Hwy.	30-Apr-15	0.77	<1	<2	8.0	<1	0.09
RMD-251	GRAB	5951McCallan Rd.	4-May-15	0.99	<1	<2	7.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	4-May-15	0.95	<1	<2	14	<1	0.20
RMD-252	GRAB	9751 Pendleton Rd.	4-May-15	0.85	<1	<2	10	<1	0.12
RMD-274	GRAB	10920 Springwood Court	4-May-15	0.75	<1	<2	10	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	4-May-15	0.84	<1	<2	9.0	<1	0.08
RMD-271	GRAB	3800 Cessna Drive	4-May-15	0.95	<1	2	8.0	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	4-May-15	0.90	<1	<2	9.0	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	4-May-15	0.92	<1	<2	8.0	<1	0.14

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-256	GRAB	1000 Blk. McDonald Rd.	4-May-15	0.83	<1	<2	10	<1	0.75
RMD-254	GRAB	5300 No. 3 Rd.	4-May-15	0.81	<1	<2	9.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	4-May-15	0.62	<1	<2	9.0	<1	0.11
RMD-269	GRAB	14951 Triangle Rd.	4-May-15	0.85	<1	<2	8.0	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	4-May-15	0.87	<1	<2	8.0	<1	0.10
RMD-263	GRAB	12560 Cambie Rd.	6-May-15	0.82	<1	<2	9.0	<1	0.08
RMD-264	GRAB	13100 Mitchell Rd.	6-May-15	0.80	<1	<2	10	<1	0.08
RMD-277	GRAB	Opp. 11280 Twigg Place	6-May-15	0.82	<1	<2	11	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	6-May-15	0.71	<1	<2	10	<1	0.10
RMD-278	GRAB	6651 Fraserwood Place	6-May-15	0.79	<1	<2	10	<1	0.10
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	6-May-15	0.74	<1	<2	10	<1	0.11
RMD-261	GRAB	9911 Sidaway Rd.	6-May-15	0.78	<1	<2	9.0	<1	0.10
RMD-260	GRAB	11111 Horseshoe Way	6-May-15	0.86	<1	<2	9.0	<1	0.09
RMD-259	GRAB	10020 Amethyst Ave.	6-May-15	0.79	<1	<2	9.0	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	6-May-15	0.88	<1	2	9.0	<1	0.11
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	6-May-15	0.81	<1	<2	9.0	<1	0.26
RMD-258	GRAB	7000 Blk. Dyke Rd.	6-May-15	0.87	<1	<2	10	<1	0.12
RMD-257	GRAB	6640 Blundell Rd.	6-May-15	0.91	<1	<2	8.0	<1	0.10
RMD-204	GRAB	3180 Granville Ave.	8-May-15	0.84	<1	<2	8.0	<1	0.10
RMD-206	GRAB	4251 Moncton St.	8-May-15	0.72	<1	<2	9.0	<1	0.19
RMD-216	GRAB	11080 No. 2 Rd.	8-May-15	0.85	<1	<2	8.0	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	8-May-15	0.86	<1	2	9.0	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	8-May-15	0.84	<1	<2	9.0	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	8-May-15	0.85	<1	<2	9.0	<1	0.22
RMD-202	GRAB	1500 Valemont Way	8-May-15	0.87	<1	<2	10	<1	0.23
RMD-214	GRAB	11720 Westminster Hwy.	8-May-15	1.0	<1	<2	8.0	<1	0.12
RMD-267	GRAB	17240 Fedoruk	8-May-15	0.84	<1	<2	10	<1	0.19
RMD-249	GRAB	23000 Blk. Dyke Rd.	8-May-15	0.66	<1	<2	9.0	<1	0.19
RMD-276	GRAB	22271 Cochrane Drive	8-May-15	0.80	<1	<2	10	<1	0.19
RMD-275	GRAB	5180 Smith Cres.	8-May-15	0.78	<1	<2	9.0	<1	0.26
RMD-203	GRAB	23260 Westminster Hwy.	8-May-15	0.91	<1	<2	10	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	11-May-15	0.72	<1	<2	9.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	11-May-15	0.74	<1	<2	11	<1	0.47
RMD-252	GRAB	9751 Pendleton Rd.	11-May-15	0.80	<1	<2	10	<1	0.11
RMD-274	GRAB	10920 Springwood Court	11-May-15	0.83	<1	<2	11	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	11-May-15	0.78	<1	<2	10	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	11-May-15	0.84	<1	<2	10	<1	0.67
RMD-272	GRAB	751 Catalina Cres.	11-May-15	0.92	<1	<2	9.0	<1	0.27
RMD-255	GRAB	6000 Blk. Miller Rd.	11-May-15	0.91	<1	2	9.0	<1	0.53
RMD-256	GRAB	1000 Blk. McDonald Rd.	11-May-15	0.72	<1	<2	10	<1	0.61

PWT - 83

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-254	GRAB	5300 No. 3 Rd.	11-May-15	0.70	<1	<2	10	<1	0.23
RMD-270	GRAB	8200 Jones Rd.	11-May-15	0.79	<1	<2	10	<1	0.25
RMD-269	GRAB	14951 Triangle Rd.	11-May-15	0.96	<1	<2	10	<1	0.20
RMD-253	GRAB	11051 No 3 Rd.	11-May-15	0.77	<1	<2	10	<1	0.10
RMD-263	GRAB	12560 Cambie Rd.	13-May-15	0.85	<1	<2	9.0	<1	0.26
RMD-264	GRAB	13100 Mitchell Rd.	13-May-15	0.83	<1	<2	10	<1	0.23
RMD-277	GRAB	Opp. 11280 Twigg Place	13-May-15	0.79	<1	<2	9.0	<1	0.23
RMD-262	GRAB	13799 Commerce Pkwy.	13-May-15	1.0	<1	<2	10	<1	0.47
RMD-278	GRAB	6651 Fraserwood Place	13-May-15	0.80	<1	2	10	<1	0.30
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	13-May-15	0.95	<1	<2	10	<1	0.33
RMD-261	GRAB	9911 Sidaway Rd.	13-May-15	0.89	<1	<2	9.0	<1	0.33
RMD-260	GRAB	11111 Horseshoe Way	13-May-15	0.87	<1	2	8.0	<1	0.33
RMD-259	GRAB	10020 Amethyst Ave.	13-May-15	0.82	<1	<2	9.0	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	13-May-15	0.97	<1	<2	10	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	13-May-15	0.86	<1	<2	10	<1	0.13
RMD-258	GRAB	7000 Blk. Dyke Rd.	13-May-15	0.90	<1	2	10	<1	0.10
RMD-257	GRAB	6640 Blundell Rd.	13-May-15	0.89	<1	<2	10	<1	0.44
RMD-204	GRAB	3180 Granville Ave.	14-May-15	0.76	<1	<2	11	<1	0.40
RMD-206	GRAB	4251 Moncton St.	14-May-15	0.80	<1	2	10	<1	0.30
RMD-216	GRAB	11080 No. 2 Rd.	14-May-15	0.75	<1	<2	10	<1	0.10
RMD-212	GRAB	Opp. 8600 Ryan Rd.	14-May-15	0.72	<1	<2	10	<1	0.09
RMD-208	GRAB	13200 No. 4 Rd.	14-May-15	0.80	<1	<2	10	<1	0.08
RMD-205	GRAB	13851 Steveston Hwy.	14-May-15	0.76	<1	<2	10	<1	0.23
RMD-202	GRAB	1500 Valemont Way	14-May-15	0.89	<1	2	9.0	<1	0.22
RMD-214	GRAB	11720 Westminster Hwy.	14-May-15	0.74	<1	<2	9.0	<1	0.09
RMD-267	GRAB	17240 Fedoruk	14-May-15	0.59	<1	<2	10	<1	0.14
RMD-249	GRAB	23000 Blk. Dyke Rd.	14-May-15	0.71	<1	<2	11	<1	0.17
RMD-276	GRAB	22271 Cochrane Drive	14-May-15	0.74	<1	<2	10	<1	0.17
RMD-275	GRAB	5180 Smith Cres.	14-May-15	0.79	<1	<2	10	<1	0.17
RMD-203	GRAB	23260 Westminster Hwy.	14-May-15	0.81	<1	<2	9.0	<1	0.19
RMD-251	GRAB	5951McCallan Rd.	19-May-15	0.79	<1	<2	10	<1	0.17
RMD-273	GRAB	Opp. 8331 Fairfax Place	19-May-15	0.74	<1	<2	16	<1	1.2
RMD-252	GRAB	9751 Pendleton Rd.	19-May-15	0.64	<1	<2	12	<1	0.12
RMD-274	GRAB	10920 Springwood Court	19-May-15	0.75	<1	<2	15	<1	0.12
RMD-250	GRAB	6071 Azure Rd.	19-May-15	0.68	<1	<2	12	<1	0.12
RMD-271	GRAB	3800 Cessna Drive	19-May-15	0.93	<1	2	10	<1	0.13
RMD-272	GRAB	751 Catalina Cres.	19-May-15	0.79	<1	<2	11	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	19-May-15	0.89	<1	<2	11	<1	0.13
RMD-256	GRAB	1000 Blk. McDonald Rd.	19-May-15	0.81	<1	<2	13	<1	0.51
RMD-254	GRAB	5300 No. 3 Rd.	19-May-15	0.76	<1	2	10	<1	0.10

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-270	GRAB	8200 Jones Rd.	19-May-15	0.72	<1	2	12	<1	0.14
RMD-269	GRAB	14951 Triangle Rd.	19-May-15	1.0	<1	<2	10	<1	0.29
RMD-253	GRAB	11051 No 3 Rd.	19-May-15	0.77	<1	<2	10	<1	0.17
RMD-263	GRAB	12560 Cambie Rd.	20-May-15	0.80	<1	<2	10	<1	0.16
RMD-264	GRAB	13100 Mitchell Rd.	20-May-15	0.86	<1	<2	10	<1	0.12
RMD-277	GRAB	Opp. 11280 Twigg Place	20-May-15	0.77	<1	<2	10	<1	0.15
RMD-262	GRAB	13799 Commerce Pkwy.	20-May-15	0.87	<1	<2	10	<1	0.36
RMD-278	GRAB	6651 Fraserwood Place	20-May-15	0.78	<1	<2	10	<1	0.42
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	20-May-15	0.78	<1	<2	9.0	<1	0.32
RMD-261	GRAB	9911 Sidaway Rd.	20-May-15	0.80	<1	<2	10	<1	0.38
RMD-260	GRAB	11111 Horseshoe Way	20-May-15	0.71	<1	<2	10	<1	0.15
RMD-259	GRAB	10020 Amethyst Ave.	20-May-15	0.73	<1	<2	11	<1	0.19
RMD-266	GRAB	9380 General Currie Rd.	20-May-15	0.82	<1	<2	10	<1	0.15
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	20-May-15	0.82	<1	<2	11	<1	0.24
RMD-258	GRAB	7000 Blk. Dyke Rd.	20-May-15	0.69	<1	<2	11	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	20-May-15	0.69	<1	<2	9.0	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	22-May-15	0.82	<1	2	11	<1	0.10
RMD-206	GRAB	4251 Moncton St.	22-May-15	0.79	<1	<2	10	<1	0.23
RMD-216	GRAB	11080 No. 2 Rd.	22-May-15	0.87	<1	<2	10	<1	0.11
RMD-212	GRAB	Opp. 8600 Ryan Rd.	22-May-15	0.83	<1	<2	10	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	22-May-15	0.87	<1	<2	10	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	22-May-15	0.88	<1	2	10	<1	0.30
RMD-202	GRAB	1500 Valemont Way	22-May-15	0.89	<1	<2	10	<1	0.26
RMD-214	GRAB	11720 Westminster Hwy.	22-May-15	1.0	<1	2	10	<1	0.11
RMD-267	GRAB	17240 Fedoruk	22-May-15	0.82	<1	<2	12	<1	0.30
RMD-249	GRAB	23000 Blk. Dyke Rd.	22-May-15	0.72	<1	<2	12	<1	0.33
RMD-276	GRAB	22271 Cochrane Drive	22-May-15	0.82	<1	<2	12	<1	0.26
RMD-275	GRAB	5180 Smith Cres.	22-May-15	0.89	<1	<2	12	<1	0.25
RMD-203	GRAB	23260 Westminster Hwy.	22-May-15	0.88	<1	<2	10	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	25-May-15	0.84	<1	<2	10	<1	0.15
RMD-273	GRAB	Opp. 8331 Fairfax Place	25-May-15	0.67	<1	2	16	<1	0.44
RMD-252	GRAB	9751 Pendleton Rd.	25-May-15	0.73	<1	<2	12	<1	0.12
RMD-274	GRAB	10920 Springwood Court	25-May-15	0.86	<1	<2	13	<1	0.14
RMD-250	GRAB	6071 Azure Rd.	25-May-15	0.88	<1	<2	12	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	25-May-15	0.75	<1	<2	10	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	25-May-15	0.72	<1	<2	11	<1	0.15
RMD-255	GRAB	6000 Blk. Miller Rd.	25-May-15	0.80	<1	<2	10	<1	0.15
RMD-256	GRAB	1000 Blk. McDonald Rd.	25-May-15	0.61	<1	<2	14	<1	1.2
RMD-254	GRAB	5300 No. 3 Rd.	25-May-15	0.86	<1	<2	10	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	25-May-15	0.84	<1	<2	12	<1	0.13

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-269	GRAB	14951 Triangle Rd.	25-May-15	1.0	<1	<2	10	<1	0.35
RMD-253	GRAB	11051 No 3 Rd.	25-May-15	0.82	<1	<2	10	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	27-May-15	0.77	<1	<2	10	<1	0.14
RMD-264	GRAB	13100 Mitchell Rd.	27-May-15	0.93	<1	<2	10	<1	0.24
RMD-277	GRAB	Opp. 11280 Twigg Place	27-May-15	0.85	<1	<2	11	<1	0.18
RMD-262	GRAB	13799 Commerce Pkwy.	27-May-15	0.85	<1	<2	10	<1	0.34
RMD-278	GRAB	6651 Fraserwood Place	27-May-15	0.79	<1	<2	11	<1	0.36
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	27-May-15	0.73	<1	<2	10	<1	0.25
RMD-261	GRAB	9911 Sidaway Rd.	27-May-15	0.88	<1	<2	10	<1	0.27
RMD-260	GRAB	11111 Horseshoe Way	27-May-15	0.93	<1	<2	11	<1	0.11
RMD-259	GRAB	10020 Amethyst Ave.	27-May-15	0.73	<1	<2	11	<1	0.11
RMD-266	GRAB	9380 General Currie Rd.	27-May-15	0.86	<1	<2	10	<1	0.11
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	27-May-15	0.80	<1	<2	11	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	27-May-15	0.79	<1	<2	12	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	27-May-15	0.93	<1	<2	10	<1	0.12
RMD-204	GRAB	3180 Granville Ave.	28-May-15	0.85	<1	<2	13	<1	0.11
RMD-206	GRAB	4251 Moncton St.	28-May-15	1.0	<1	<2	13	<1	1.6
RMD-216	GRAB	11080 No. 2 Rd.	28-May-15	0.91	<1	2	10	<1	0.12
RMD-212	GRAB	Opp. 8600 Ryan Rd.	28-May-15	0.90	<1	<2	9.0	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	28-May-15	0.88	<1	<2	11	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	28-May-15	0.84	<1	<2	9.0	<1	0.30
RMD-202	GRAB	1500 Valemont Way	28-May-15	0.90	<1	<2	10	<1	0.28
RMD-214	GRAB	11720 Westminster Hwy.	28-May-15	0.84	<1	<2	9.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	28-May-15	0.84	<1	<2	10	<1	0.27
RMD-249	GRAB	23000 Blk. Dyke Rd.	28-May-15	0.68	<1	<2	11	<1	0.22
RMD-276	GRAB	22271 Cochrane Drive	28-May-15	0.82	<1	<2	11	<1	0.21
RMD-275	GRAB	5180 Smith Cres.	28-May-15	0.82	<1	<2	11	<1	0.61
RMD-203	GRAB	23260 Westminster Hwy.	28-May-15	0.91	<1	<2	8.0	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	1-Jun-15	0.82	<1	<2	10	<1	0.15
RMD-273	GRAB	Opp. 8331 Fairfax Place	1-Jun-15	0.64	<1	<2	18	<1	0.33
RMD-252	GRAB	9751 Pendleton Rd.	1-Jun-15	0.90	<1	<2	12	<1	0.12
RMD-274	GRAB	10920 Springwood Court	1-Jun-15	0.75	<1	<2	15	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	1-Jun-15	0.77	<1	<2	13	<1	0.14
RMD-271	GRAB	3800 Cessna Drive	1-Jun-15	1.0	<1	16	12	<1	0.12
RMD-272	GRAB	751 Catalina Cres.	1-Jun-15	0.74	<1	<2	12	<1	0.13
RMD-255	GRAB	6000 Blk. Miller Rd.	1-Jun-15	0.82	<1	<2	10	<1	0.45
RMD-256	GRAB	1000 Blk. McDonald Rd.	1-Jun-15	0.79	<1	<2	14	<1	0.35
RMD-254	GRAB	5300 No. 3 Rd.	1-Jun-15	0.93	<1	2	11	<1	0.25
RMD-270	GRAB	8200 Jones Rd.	1-Jun-15	0.88	<1	2	12	<1	0.17
RMD-269	GRAB	14951 Triangle Rd.	1-Jun-15	0.80	<1	2	11	<1	0.23

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-253	GRAB	11051 No 3 Rd.	1-Jun-15	0.91	<1	<2	11	<1	0.15
RMD-263	GRAB	12560 Cambie Rd.	3-Jun-15	0.78	<1	<2	10	<1	0.13
RMD-264	GRAB	13100 Mitchell Rd.	3-Jun-15	0.82	<1	<2	12	<1	0.13
RMD-277	GRAB	Opp. 11280 Twigg Place	3-Jun-15	0.66	<1	<2	15	<1	0.14
RMD-262	GRAB	13799 Commerce Pkwy.	3-Jun-15	0.66	<1	<2	11	<1	0.19
RMD-278	GRAB	6651 Fraserwood Place	3-Jun-15	0.90	<1	<2	10	<1	0.36
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	3-Jun-15	1.0	<1	<2	10	<1	0.42
RMD-261	GRAB	9911 Sidaway Rd.	3-Jun-15	0.92	<1	2	11	<1	0.21
RMD-260	GRAB	11111 Horseshoe Way	3-Jun-15	0.81	<1	<2	11	<1	0.16
RMD-259	GRAB	10020 Amethyst Ave.	3-Jun-15	0.79	<1	<2	11	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	3-Jun-15	0.94	<1	<2	12	<1	0.16
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	3-Jun-15	0.82	<1	<2	12	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	3-Jun-15	0.86	<1	<2	13	<1	0.12
RMD-257	GRAB	6640 Blundell Rd.	3-Jun-15	0.82	<1	<2	10	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	5-Jun-15	0.89	<1	<2	14	<1	0.32
RMD-206	GRAB	4251 Moncton St.	5-Jun-15	0.72	<1	2	11	<1	0.32
RMD-216	GRAB	11080 No. 2 Rd.	5-Jun-15	0.83	<1	<2	11	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	5-Jun-15	0.90	<1	<2	11	<1	0.12
RMD-208	GRAB	13200 No. 4 Rd.	5-Jun-15	0.73	<1	<2	12	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	5-Jun-15	0.86	<1	<2	11	<1	0.37
RMD-202	GRAB	1500 Valemont Way	5-Jun-15	0.73	<1	<2	12	<1	0.47
RMD-214	GRAB	11720 Westminster Hwy.	5-Jun-15	0.88	<1	<2	11	<1	0.21
RMD-267	GRAB	17240 Fedoruk	5-Jun-15	0.88	<1	2	13	<1	0.32
RMD-249	GRAB	23000 Blk. Dyke Rd.	5-Jun-15	0.69	<1	<2	12	<1	0.27
RMD-276	GRAB	22271 Cochrane Drive	5-Jun-15	0.75	<1	<2	14	<1	0.24
RMD-275	GRAB	5180 Smith Cres.	5-Jun-15	0.75	<1	<2	13	<1	0.27
RMD-203	GRAB	23260 Westminster Hwy.	5-Jun-15	0.97	<1	<2	12	<1	0.44
RMD-251	GRAB	5951McCallan Rd.	8-Jun-15	1.0	<1	<2	11	<1	0.22
RMD-273	GRAB	Opp. 8331 Fairfax Place	8-Jun-15	0.61	<1	<2	18	<1	0.26
RMD-252	GRAB	9751 Pendleton Rd.	8-Jun-15	0.47	<1	<2	13	<1	0.25
RMD-274	GRAB	10920 Springwood Court	8-Jun-15	0.85	<1	<2	15	<1	0.18
RMD-250	GRAB	6071 Azure Rd.	8-Jun-15	0.99	<1	<2	13	<1	0.19
RMD-271	GRAB	3800 Cessna Drive	8-Jun-15	1.0	<1	<2	11	<1	0.15
RMD-272	GRAB	751 Catalina Cres.	8-Jun-15	0.94	<1	<2	14	<1	0.22
RMD-255	GRAB	6000 Blk. Miller Rd.	8-Jun-15	0.95	<1	<2	12	<1	0.19
RMD-256	GRAB	1000 Blk. McDonald Rd.	8-Jun-15	0.65	<1	<2	15	<1	0.53
RMD-254	GRAB	5300 No. 3 Rd.	8-Jun-15	0.87	<1	<2	13	<1	0.17
RMD-270	GRAB	8200 Jones Rd.	8-Jun-15	0.86	<1	<2	14	<1	0.18
RMD-269	GRAB	14951 Triangle Rd.	8-Jun-15	0.68	<1	<2	15	<1	0.22
RMD-253	GRAB	11051 No 3 Rd.	8-Jun-15	0.95	<1	<2	13	<1	0.15

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-263	GRAB	12560 Cambie Rd.	10-Jun-15	0.94	<1	<2	11	<1	0.23
RMD-264	GRAB	13100 Mitchell Rd.	10-Jun-15	0.94	<1	<2	12	<1	0.42
RMD-277	GRAB	Opp. 11280 Twigg Place	10-Jun-15	0.89	<1	<2	13	<1	0.40
RMD-262	GRAB	13799 Commerce Pkwy.	10-Jun-15	0.83	<1	<2	10	<1	0.20
RMD-278	GRAB	6651 Fraserwood Place	10-Jun-15	0.57	<1	<2	13	<1	0.29
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	10-Jun-15	1.0	<1	<2	12	<1	0.33
RMD-261	GRAB	9911 Sidaway Rd.	10-Jun-15	0.78	<1	<2	10	<1	0.18
RMD-260	GRAB	11111 Horseshoe Way	10-Jun-15	0.79	<1	<2	11	<1	0.24
RMD-259	GRAB	10020 Amethyst Ave.	10-Jun-15	0.92	<1	4	12	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	10-Jun-15	1.0	<1	<2	12	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	10-Jun-15	0.92	<1	<2	12	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	10-Jun-15	0.82	<1	<2	13	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	10-Jun-15	0.95	<1	<2	11	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	11-Jun-15	0.87	<1	<2	12	<1	0.37
RMD-206	GRAB	4251 Moncton St.	11-Jun-15	0.93	<1	<2	11	<1	0.86
RMD-216	GRAB	11080 No. 2 Rd.	11-Jun-15	0.91	<1	<2	12	<1	0.16
RMD-212	GRAB	Opp. 8600 Ryan Rd.	11-Jun-15	0.89	<1	<2	11	<1	0.19
RMD-208	GRAB	13200 No. 4 Rd.	11-Jun-15	0.71	<1	<2	12	<1	0.14
RMD-205	GRAB	13851 Steveston Hwy.	11-Jun-15	0.87	<1	<2	12	<1	0.31
RMD-202	GRAB	1500 Valemont Way	11-Jun-15	0.89	<1	<2	12	<1	0.24
RMD-214	GRAB	11720 Westminster Hwy.	11-Jun-15	0.88	<1	<2	12	<1	0.11
RMD-267	GRAB	17240 Fedoruk	11-Jun-15	0.86	<1	<2	12	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	11-Jun-15	0.91	<1	2	12	<1	0.28
RMD-249	GRAB	23000 Blk. Dyke Rd.	11-Jun-15	0.72	<1	<2	12	<1	0.29
RMD-275	GRAB	5180 Smith Cres.	11-Jun-15	0.47	<1	<2	12	<1	0.26
RMD-203	GRAB	23260 Westminster Hwy.	11-Jun-15	0.77	<1	<2	13	<1	0.30
RMD-251	GRAB	5951McCallan Rd.	15-Jun-15	0.78	<1	<2	11	<1	0.17
RMD-273	GRAB	Opp. 8331 Fairfax Place	15-Jun-15	0.60	<1	<2	14	<1	0.14
RMD-252	GRAB	9751 Pendleton Rd.	15-Jun-15	0.87	<1	<2	13	<1	0.14
RMD-274	GRAB	10920 Springwood Court	15-Jun-15	0.83	<1	<2	15	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	15-Jun-15	0.67	<1	<2	13	<1	0.21
RMD-271	GRAB	3800 Cessna Drive	15-Jun-15	0.79	<1	<2	13	<1	0.15
RMD-272	GRAB	751 Catalina Cres.	15-Jun-15	0.80	<1	<2	12	<1	0.13
RMD-255	GRAB	6000 Blk. Miller Rd.	15-Jun-15	0.79	<1	<2	11	<1	0.16
RMD-256	GRAB	1000 Blk. McDonald Rd.	15-Jun-15	0.59	<1	<2	13	<1	0.84
RMD-254	GRAB	5300 No. 3 Rd.	15-Jun-15	0.83	<1	<2	12	<1	0.20
RMD-270	GRAB	8200 Jones Rd.	15-Jun-15	0.83	<1	<2	12	<1	0.18
RMD-269	GRAB	14951 Triangle Rd.	15-Jun-15	0.79	<1	<2	12	<1	0.21
RMD-253	GRAB	11051 No 3 Rd.	15-Jun-15	0.78	<1	<2	12	<1	0.28
RMD-263	GRAB	12560 Cambie Rd.	17-Jun-15	0.80	<1	<2	12	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-264	GRAB	13100 Mitchell Rd.	17-Jun-15	0.63	<1	<2	12	<1	0.36
RMD-277	GRAB	Opp. 11280 Twigg Place	17-Jun-15	0.59	<1	<2	12	<1	0.34
RMD-262	GRAB	13799 Commerce Pkwy.	17-Jun-15	0.82	<1	<2	13	<1	0.27
RMD-278	GRAB	6651 Fraserwood Place	17-Jun-15	0.66	<1	<2	13	<1	0.64
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	17-Jun-15	0.92	<1	<2	13	<1	0.36
RMD-261	GRAB	9911 Sidaway Rd.	17-Jun-15	0.79	<1	<2	12	<1	0.27
RMD-260	GRAB	11111 Horseshoe Way	17-Jun-15	0.75	<1	<2	13	<1	0.14
RMD-259	GRAB	10020 Amethyst Ave.	17-Jun-15	0.72	<1	<2	12	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	17-Jun-15	0.67	<1	<2	13	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	17-Jun-15	0.80	<1	<2	14	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	17-Jun-15	0.81	<1	<2	14	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	17-Jun-15	0.75	<1	<2	12	<1	0.19
RMD-204	GRAB	3180 Granville Ave.	19-Jun-15	0.89	<1	<2	14	<1	0.13
RMD-206	GRAB	4251 Moncton St.	19-Jun-15	0.94	<1	2	12	<1	1.4
RMD-216	GRAB	11080 No. 2 Rd.	19-Jun-15	0.66	<1	<2	13	<1	0.15
RMD-212	GRAB	Opp. 8600 Ryan Rd.	19-Jun-15	0.88	<1	<2	13	<1	0.25
RMD-208	GRAB	13200 No. 4 Rd.	19-Jun-15	0.82	<1	6	14	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	19-Jun-15	0.72	<1	4	11	<1	0.40
RMD-202	GRAB	1500 Valemont Way	19-Jun-15	0.92	<1	<2	14	<1	0.33
RMD-214	GRAB	11720 Westminster Hwy.	19-Jun-15	0.91	<1	<2	10	<1	0.16
RMD-267	GRAB	17240 Fedoruk	19-Jun-15	0.95	<1	<2	15	<1	0.34
RMD-249	GRAB	23000 Blk. Dyke Rd.	19-Jun-15	0.65	<1	<2	14	<1	0.39
RMD-276	GRAB	22271 Cochrane Drive	19-Jun-15	0.83	<1	<2	13	<1	0.30
RMD-275	GRAB	5180 Smith Cres.	19-Jun-15	0.97	<1	<2	13	<1	0.35
RMD-203	GRAB	23260 Westminster Hwy.	19-Jun-15	1.0	<1	<2	12	<1	0.35
RMD-251	GRAB	5951McCallan Rd.	22-Jun-15	0.93	<1	<2	11	<1	0.23
RMD-273	GRAB	Opp. 8331 Fairfax Place	22-Jun-15	0.80	<1	<2	18	<1	1.3
RMD-252	GRAB	9751 Pendleton Rd.	22-Jun-15	0.92	<1	<2	13	<1	0.12
RMD-274	GRAB	10920 Springwood Court	22-Jun-15	0.86	<1	<2	15	<1	0.14
RMD-250	GRAB	6071 Azure Rd.	22-Jun-15	0.92	<1	2	14	<1	0.11
RMD-271	GRAB	3800 Cessna Drive	22-Jun-15	0.83	<1	<2	14	<1	0.12
RMD-272	GRAB	751 Catalina Cres.	22-Jun-15	0.95	<1	<2	13	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	22-Jun-15	0.94	<1	<2	12	<1	0.15
RMD-256	GRAB	1000 Blk. McDonald Rd.	22-Jun-15	0.73	<1	2	14	<1	0.22
RMD-254	GRAB	5300 No. 3 Rd.	22-Jun-15	0.93	<1	<2	13	<1	0.15
RMD-270	GRAB	8200 Jones Rd.	22-Jun-15	0.87	<1	2	14	<1	0.19
RMD-269	GRAB	14951 Triangle Rd.	22-Jun-15	0.77	<1	<2	13	<1	0.15
RMD-253	GRAB	11051 No 3 Rd.	22-Jun-15	0.54	<1	<2	13	<1	0.11
RMD-263	GRAB	12560 Cambie Rd.	24-Jun-15	0.99	<1	<2	13	<1	0.14
RMD-264	GRAB	13100 Mitchell Rd.	24-Jun-15	0.98	<1	<2	13	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-277	GRAB	Opp. 11280 Twigg Place	24-Jun-15	1.0	<1	<2	14	<1	0.17
RMD-262	GRAB	13799 Commerce Pkwy.	24-Jun-15	0.84	<1	4	13	<1	0.26
RMD-278	GRAB	6651 Fraserwood Place	24-Jun-15	0.88	<1	2	14	<1	0.25
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	24-Jun-15	1.0	<1	2	12	<1	0.32
RMD-261	GRAB	9911 Sidaway Rd.	24-Jun-15	0.76	<1	<2	13	<1	0.23
RMD-260	GRAB	11111 Horseshoe Way	24-Jun-15	0.89	<1	<2	12	<1	0.12
RMD-259	GRAB	10020 Amethyst Ave.	24-Jun-15	0.84	<1	<2	13	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	24-Jun-15	0.93	<1	<2	12	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	24-Jun-15	0.87	<1	<2	15	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	24-Jun-15	0.94	<1	<2	13	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	24-Jun-15	0.91	<1	<2	14	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	25-Jun-15	0.90	<1	<2	14	<1	0.22
RMD-206	GRAB	4251 Moncton St.	25-Jun-15	0.65	<1	<2	13	<1	0.23
RMD-216	GRAB	11080 No. 2 Rd.	25-Jun-15	0.94	<1	<2	12	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	25-Jun-15	0.81	<1	<2	12	<1	0.13
RMD-208	GRAB	13200 No. 4 Rd.	25-Jun-15	0.78	<1	<2	12	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	25-Jun-15	0.80	<1	<2	12	<1	0.21
RMD-202	GRAB	1500 Valemont Way	25-Jun-15	0.82	<1	<2	12	<1	0.20
RMD-214	GRAB	11720 Westminster Hwy.	25-Jun-15	0.76	<1	<2	12	<1	0.13
RMD-267	GRAB	17240 Fedoruk	25-Jun-15	0.70	<1	<2	15	<1	0.26
RMD-249	GRAB	23000 Blk. Dyke Rd.	25-Jun-15	0.78	<1	<2	12	<1	0.21
RMD-276	GRAB	22271 Cochrane Drive	25-Jun-15	0.77	<1	<2	14	<1	0.19
RMD-275	GRAB	5180 Smith Cres.	25-Jun-15	0.81	<1	<2	12	<1	0.17
RMD-203	GRAB	23260 Westminster Hwy.	25-Jun-15	0.77	<1	<2	14	<1	0.17
RMD-251	GRAB	5951McCallan Rd.	29-Jun-15	0.95	<1	<2	13	<1	0.21
RMD-273	GRAB	Opp. 8331 Fairfax Place	29-Jun-15	0.75	<1	4	20	<1	0.98
RMD-252	GRAB	9751 Pendleton Rd.	29-Jun-15	0.92	<1	<2	15	<1	0.14
RMD-274	GRAB	10920 Springwood Court	29-Jun-15	0.85	<1	<2	17	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	29-Jun-15	0.75	<1	<2	15	<1	0.17
RMD-271	GRAB	3800 Cessna Drive	29-Jun-15	0.92	<1	<2	14	<1	0.16
RMD-272	GRAB	751 Catalina Cres.	29-Jun-15	0.89	<1	<2	14	<1	0.17
RMD-255	GRAB	6000 Blk. Miller Rd.	29-Jun-15	0.94	<1	<2	15	<1	0.16
RMD-256	GRAB	1000 Blk. McDonald Rd.	29-Jun-15	0.80	<1	<2	15	<1	0.42
RMD-254	GRAB	5300 No. 3 Rd.	29-Jun-15	0.94	<1	<2	15	<1	0.15
RMD-270	GRAB	8200 Jones Rd.	29-Jun-15	0.77	<1	2	15	<1	0.15
RMD-269	GRAB	14951 Triangle Rd.	29-Jun-15	0.88	<1	2	16	<1	0.16
RMD-253	GRAB	11051 No 3 Rd.	29-Jun-15	0.85	<1	<2	15	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	30-Jun-15	0.78	<1	<2	13	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	30-Jun-15	0.68	<1	<2	14	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	30-Jun-15	0.75	<1	<2	14	<1	0.13

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-259	GRAB	10020 Amethyst Ave.	30-Jun-15	0.86	<1	<2	13	<1	0.23
RMD-266	GRAB	9380 General Currie Rd.	30-Jun-15	0.81	<1	<2	13	<1	0.11
RMD-261	GRAB	9911 Sidaway Rd.	30-Jun-15	0.76	<1	<2	14	<1	0.25
RMD-260	GRAB	11111 Horseshoe Way	30-Jun-15	0.71	<1	<2	13	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	30-Jun-15	0.83	<1	<2	13	<1	0.17
RMD-264	GRAB	13100 Mitchell Rd.	30-Jun-15	0.71	<1	<2	13	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	30-Jun-15	0.74	<1	<2	15	<1	0.18
RMD-262	GRAB	13799 Commerce Pkwy.	30-Jun-15	0.75	<1	<2	13	<1	0.17
RMD-278	GRAB	6651 Fraserwood Place	30-Jun-15	0.68	<1	<2	15	<1	0.17
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	30-Jun-15	0.81	<1	<2	14	<1	0.17
RMD-204	GRAB	3180 Granville Ave.	3-Jul-15	0.68	<1	<2	13	<1	0.14
RMD-206	GRAB	4251 Moncton St.	3-Jul-15	0.68	<1	<2	12	<1	0.11
RMD-216	GRAB	11080 No. 2 Rd.	3-Jul-15	0.54	<1	<2	13	<1	0.13
RMD-212	GRAB	Opp. 8600 Ryan Rd.	3-Jul-15	0.66	<1	<2	15	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	3-Jul-15	0.64	<1	<2	14	<1	0.13
RMD-205	GRAB	13851 Steveston Hwy.	3-Jul-15	0.83	<1	<2	14	<1	0.20
RMD-202	GRAB	1500 Valemont Way	3-Jul-15	0.78	<1	<2	15	<1	0.15
RMD-214	GRAB	11720 Westminster Hwy.	3-Jul-15	0.77	<1	<2	13	<1	0.16
RMD-267	GRAB	17240 Fedoruk	3-Jul-15	0.83	<1	<2	15	<1	0.19
RMD-249	GRAB	23000 Blk. Dyke Rd.	3-Jul-15	0.57	<1	aminatic	15	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	3-Jul-15	0.74	<1	4	14	<1	0.16
RMD-275	GRAB	5180 Smith Cres.	3-Jul-15	0.71	<1	<2	14	<1	0.19
RMD-203	GRAB	23260 Westminster Hwy.	3-Jul-15	0.89	<1	<2	14	<1	0.17
RMD-251	GRAB	5951McCallan Rd.	6-Jul-15	0.98	<1	<2	14	<1	0.16
RMD-273	GRAB	Opp. 8331 Fairfax Place	6-Jul-15	0.86	<1	<2	21	<1	0.45
RMD-252	GRAB	9751 Pendleton Rd.	6-Jul-15	0.97	<1	<2	15	<1	0.18
RMD-274	GRAB	10920 Springwood Court	6-Jul-15	0.88	<1	<2	17	<1	0.12
RMD-250	GRAB	6071 Azure Rd.	6-Jul-15	0.98	<1	<2	16	<1	0.14
RMD-271	GRAB	3800 Cessna Drive	6-Jul-15	0.93	<1	<2	15	<1	0.15
RMD-272	GRAB	751 Catalina Cres.	6-Jul-15	1.0	<1	<2	15	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	6-Jul-15	0.96	<1	2	14	<1	0.27
RMD-256	GRAB	1000 Blk. McDonald Rd.	6-Jul-15	0.82	<1	<2	16	<1	1.5
RMD-254	GRAB	5300 No. 3 Rd.	6-Jul-15	0.94	<1	2	15	<1	0.17
RMD-270	GRAB	8200 Jones Rd.	6-Jul-15	0.87	<1	<2	16	<1	0.23
RMD-269	GRAB	14951 Triangle Rd.	6-Jul-15	0.87	<1	<2	17	<1	0.17
RMD-253	GRAB	11051 No 3 Rd.	6-Jul-15	0.85	<1	<2	14	<1	0.15
RMD-263	GRAB	12560 Cambie Rd.	8-Jul-15	0.77	<1	<2	14	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	8-Jul-15	0.92	<1	<2	16	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	8-Jul-15	0.73	<1	<2	18	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	8-Jul-15	0.82	<1	<2	16	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-278	GRAB	6651 Fraserwood Place	8-Jul-15	0.76	<1	<2	17	<1	0.15
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	8-Jul-15	1.0	<1	<2	16	<1	0.24
RMD-261	GRAB	9911 Sidaway Rd.	8-Jul-15	0.84	<1	<2	15	<1	0.23
RMD-260	GRAB	11111 Horseshoe Way	8-Jul-15	0.95	<1	<2	14	<1	0.11
RMD-259	GRAB	10020 Amethyst Ave.	8-Jul-15	0.78	<1	<2	15	<1	0.16
RMD-266	GRAB	9380 General Currie Rd.	8-Jul-15	0.88	<1	<2	14	<1	0.16
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	8-Jul-15	0.72	<1	<2	15	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	8-Jul-15	0.88	<1	<2	16	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	8-Jul-15	0.86	<1	<2	14	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	9-Jul-15	0.79	<1	<2	16	<1	0.10
RMD-206	GRAB	4251 Moncton St.	9-Jul-15	0.98	<1	<2	15	<1	0.32
RMD-216	GRAB	11080 No. 2 Rd.	9-Jul-15	0.74	<1	2	14	<1	0.16
RMD-212	GRAB	Opp. 8600 Ryan Rd.	9-Jul-15	0.98	<1	<2	15	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	9-Jul-15	0.94	<1	<2	15	<1	0.15
RMD-205	GRAB	13851 Steveston Hwy.	9-Jul-15	0.97	<1	<2	16	<1	0.23
RMD-202	GRAB	1500 Valemont Way	9-Jul-15	0.94	<1	<2	17	<1	0.21
RMD-214	GRAB	11720 Westminster Hwy.	9-Jul-15	0.84	<1	<2	15	<1	0.15
RMD-267	GRAB	17240 Fedoruk	9-Jul-15	0.95	<1	<2	18	<1	0.22
RMD-249	GRAB	23000 Blk. Dyke Rd.	9-Jul-15	0.82	<1	<2	14	<1	0.31
RMD-276	GRAB	22271 Cochrane Drive	9-Jul-15	0.87	<1	<2	16	<1	0.32
RMD-275	GRAB	5180 Smith Cres.	9-Jul-15	0.36	<1	<2	17	<1	0.16
RMD-203	GRAB	23260 Westminster Hwy.	9-Jul-15	0.94	<1	<2	16	<1	0.34
RMD-251	GRAB	5951McCallan Rd.	13-Jul-15	0.84	<1	<2	15	<1	0.17
RMD-273	GRAB	Opp. 8331 Fairfax Place	13-Jul-15	0.73	<1	<2	20	<1	2.5
RMD-252	GRAB	9751 Pendleton Rd.	13-Jul-15	0.85	<1	<2	14	<1	0.17
RMD-274	GRAB	10920 Springwood Court	13-Jul-15	0.77	<1	2	18	<1	0.16
RMD-250	GRAB	6071 Azure Rd.	13-Jul-15	0.86	<1	<2	17	<1	0.21
RMD-271	GRAB	3800 Cessna Drive	13-Jul-15	0.83	<1	<2	15	<1	0.17
RMD-272	GRAB	751 Catalina Cres.	13-Jul-15	0.79	<1	<2	15	<1	0.12
RMD-255	GRAB	6000 Blk. Miller Rd.	13-Jul-15	0.88	<1	<2	15	<1	0.23
RMD-256	GRAB	1000 Blk. McDonald Rd.	13-Jul-15	0.66	<1	<2	15	<1	1.6
RMD-254	GRAB	5300 No. 3 Rd.	13-Jul-15	0.82	<1	<2	16	<1	0.17
RMD-270	GRAB	8200 Jones Rd.	13-Jul-15	0.66	<1	<2	17	<1	0.14
RMD-269	GRAB	14951 Triangle Rd.	13-Jul-15	0.83	<1	<2	16	<1	0.21
RMD-253	GRAB	11051 No 3 Rd.	13-Jul-15	0.83	<1	2	15	<1	0.17
RMD-263	GRAB	12560 Cambie Rd.	15-Jul-15	0.92	<1	<2	15	<1	0.14
RMD-264	GRAB	13100 Mitchell Rd.	15-Jul-15	0.89	<1	<2	16	<1	0.19
RMD-277	GRAB	Opp. 11280 Twigg Place	15-Jul-15	0.82	<1	<2	17	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	15-Jul-15	0.85	<1	<2	16	<1	0.27
RMD-278	GRAB	6651 Fraserwood Place	15-Jul-15	0.87	<1	<2	17	<1	0.44

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	15-Jul-15	0.93	<1	2	16	<1	0.23
RMD-261	GRAB	9911 Sidaway Rd.	15-Jul-15	0.95	<1	<2	17	<1	0.24
RMD-260	GRAB	11111 Horseshoe Way	15-Jul-15	0.79	<1	<2	15	<1	0.14
RMD-259	GRAB	10020 Amethyst Ave.	15-Jul-15	0.84	<1	<2	16	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	15-Jul-15	0.81	<1	<2	15	<1	0.11
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	15-Jul-15	0.82	<1	<2	16	<1	0.10
RMD-258	GRAB	7000 Blk. Dyke Rd.	15-Jul-15	0.89	<1	<2	17	<1	0.16
RMD-257	GRAB	6640 Blundell Rd.	15-Jul-15	0.95	<1	<2	15	<1	0.11
RMD-204	GRAB	3180 Granville Ave.	17-Jul-15	0.64	<1	<2	15	<1	0.10
RMD-206	GRAB	4251 Moncton St.	17-Jul-15	0.77	<1	<2	16	<1	0.15
RMD-216	GRAB	11080 No. 2 Rd.	17-Jul-15	0.76	<1	<2	16	<1	0.11
RMD-212	GRAB	Opp. 8600 Ryan Rd.	17-Jul-15	0.66	<1	<2	16	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	17-Jul-15	0.64	<1	<2	17	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	17-Jul-15	1.1	<1	<2	16	<1	0.27
RMD-202	GRAB	1500 Valemont Way	17-Jul-15	1.1	<1	<2	17	<1	0.23
RMD-214	GRAB	11720 Westminster Hwy.	17-Jul-15	0.68	<1	2	17	<1	0.14
RMD-267	GRAB	17240 Fedoruk	17-Jul-15	0.96	<1	2	18	<1	0.22
RMD-249	GRAB	23000 Blk. Dyke Rd.	17-Jul-15	0.80	<1	<2	16	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	17-Jul-15	0.98	<1	<2	17	<1	0.25
RMD-275	GRAB	5180 Smith Cres.	17-Jul-15	0.44	<1	<2	17	<1	0.24
RMD-203	GRAB	23260 Westminster Hwy.	17-Jul-15	0.97	<1	<2	17	<1	0.24
RMD-251	GRAB	5951McCallan Rd.	20-Jul-15	0.86	<1	<2	16	<1	0.21
RMD-273	GRAB	Opp. 8331 Fairfax Place	20-Jul-15	0.95	<1	2	21	<1	0.33
RMD-252	GRAB	9751 Pendleton Rd.	20-Jul-15	0.90	<1	<2	16	<1	0.30
RMD-274	GRAB	10920 Springwood Court	20-Jul-15	0.86	<1	<2	18	<1	0.20
RMD-250	GRAB	6071 Azure Rd.	20-Jul-15	1.1	<1	<2	17	<1	0.21
RMD-271	GRAB	3800 Cessna Drive	20-Jul-15	1.2	<1	<2	18	<1	0.17
RMD-272	GRAB	751 Catalina Cres.	20-Jul-15	1.2	<1	<2	17	<1	0.21
RMD-255	GRAB	6000 Blk. Miller Rd.	20-Jul-15	0.96	<1	<2	16	<1	0.27
RMD-256	GRAB	1000 Blk. McDonald Rd.	20-Jul-15	0.66	<1	<2	19	<1	0.46
RMD-254	GRAB	5300 No. 3 Rd.	20-Jul-15	0.95	<1	<2	15	<1	0.20
RMD-270	GRAB	8200 Jones Rd.	20-Jul-15	0.85	<1	<2	17	<1	0.26
RMD-269	GRAB	14951 Triangle Rd.	20-Jul-15	1.0	<1	4	18	<1	0.26
RMD-253	GRAB	11051 No 3 Rd.	20-Jul-15	1.0	<1	<2	15	<1	0.21
RMD-263	GRAB	12560 Cambie Rd.	22-Jul-15	0.87	<1	2	17	<1	0.19
RMD-264	GRAB	13100 Mitchell Rd.	22-Jul-15	0.94	<1	<2	17	<1	0.16
RMD-277	GRAB	Opp. 11280 Twigg Place	22-Jul-15	0.89	<1	<2	19	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	22-Jul-15	0.91	<1	<2	18	<1	0.36
RMD-278	GRAB	6651 Fraserwood Place	22-Jul-15	0.88	<1	<2	19	<1	0.33
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	22-Jul-15	1.0	<1	<2	19	<1	0.30

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-261	GRAB	9911 Sidaway Rd.	22-Jul-15	0.93	<1	<2	17	<1	0.29
RMD-260	GRAB	11111 Horseshoe Way	22-Jul-15	0.97	<1	<2	17	<1	0.16
RMD-259	GRAB	10020 Amethyst Ave.	22-Jul-15	0.79	<1	<2	17	<1	0.15
RMD-266	GRAB	9380 General Currie Rd.	22-Jul-15	0.87	<1	<2	16	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	22-Jul-15	0.80	<1	<2	16	<1	0.19
RMD-258	GRAB	7000 Blk. Dyke Rd.	22-Jul-15	0.89	<1	<2	16	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	22-Jul-15	0.97	<1	<2	16	<1	0.13
RMD-204	GRAB	3180 Granville Ave.	23-Jul-15	0.71	<1	<2	17	<1	0.27
RMD-206	GRAB	4251 Moncton St.	23-Jul-15	0.81	<1	<2	17	<1	0.21
RMD-216	GRAB	11080 No. 2 Rd.	23-Jul-15	0.83	<1	<2	16	<1	0.18
RMD-212	GRAB	Opp. 8600 Ryan Rd.	23-Jul-15	0.89	<1	<2	18	<1	0.16
RMD-208	GRAB	13200 No. 4 Rd.	23-Jul-15	0.84	<1	<2	18	<1	0.14
RMD-205	GRAB	13851 Steveston Hwy.	23-Jul-15	0.86	<1	<2	18	<1	0.33
RMD-202	GRAB	1500 Valemont Way	23-Jul-15	0.73	<1	<2	18	<1	0.32
RMD-214	GRAB	11720 Westminster Hwy.	23-Jul-15	0.93	<1	<2	16	<1	0.35
RMD-267	GRAB	17240 Fedoruk	23-Jul-15	1.0	<1	4	18	<1	0.23
RMD-249	GRAB	23000 Blk. Dyke Rd.	23-Jul-15	0.94	<1	<2	18	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	23-Jul-15	0.82	<1	<2	19	<1	0.32
RMD-275	GRAB	5180 Smith Cres.	23-Jul-15	0.72	<1	<2	19	<1	0.25
RMD-203	GRAB	23260 Westminster Hwy.	23-Jul-15	0.88	<1	<2	17	<1	0.36
RMD-251	GRAB	5951McCallan Rd.	27-Jul-15	0.94	<1	<2	17	<1	0.21
RMD-273	GRAB	Opp. 8331 Fairfax Place	27-Jul-15	0.72	<1	2	20	<1	0.59
RMD-252	GRAB	9751 Pendleton Rd.	27-Jul-15	0.77	<1	<2	18	<1	0.08
RMD-274	GRAB	10920 Springwood Court	27-Jul-15	0.72	<1	<2	15	<1	0.17
RMD-250	GRAB	6071 Azure Rd.	27-Jul-15	0.76	<1	<2	18	<1	0.15
RMD-271	GRAB	3800 Cessna Drive	27-Jul-15	0.72	<1	<2	18	<1	0.30
RMD-272	GRAB	751 Catalina Cres.	27-Jul-15	0.87	<1	<2	17	<1	0.26
RMD-255	GRAB	6000 Blk. Miller Rd.	27-Jul-15	0.88	<1	<2	17	<1	0.40
RMD-256	GRAB	1000 Blk. McDonald Rd.	27-Jul-15	0.50	<1	<2	18	<1	1.4
RMD-254	GRAB	5300 No. 3 Rd.	27-Jul-15	0.83	<1	<2	18	<1	0.21
RMD-270	GRAB	8200 Jones Rd.	27-Jul-15	0.83	<1	<2	17	<1	0.30
RMD-269	GRAB	14951 Triangle Rd.	27-Jul-15	0.85	<1	<2	17	<1	0.30
RMD-253	GRAB	11051 No 3 Rd.	27-Jul-15	0.84	<1	<2	17	<1	0.26
RMD-263	GRAB	12560 Cambie Rd.	29-Jul-15	0.69	<1	<2	17	<1	0.30
RMD-264	GRAB	13100 Mitchell Rd.	29-Jul-15	0.78	<1	<2	18	<1	0.22
RMD-277	GRAB	Opp. 11280 Twigg Place	29-Jul-15	0.73	<1	<2	20	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	29-Jul-15	1.1	<1	<2	18	<1	0.30
RMD-278	GRAB	6651 Fraserwood Place	29-Jul-15	0.75	<1	<2	18	<1	0.33
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	29-Jul-15	0.96	<1	<2	18	<1	0.24
RMD-261	GRAB	9911 Sidaway Rd.	29-Jul-15	1.0	<1	<2	17	<1	0.32

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-260	GRAB	11111 Horseshoe Way	29-Jul-15	1.0	<1	<2	18	<1	0.29
RMD-259	GRAB	10020 Amethyst Ave.	29-Jul-15	0.72	<1	<2	18	<1	0.22
RMD-266	GRAB	9380 General Currie Rd.	29-Jul-15	0.72	<1	2	17	<1	0.26
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	29-Jul-15	0.77	<1	2	18	1	0.27
RMD-258	GRAB	7000 Blk. Dyke Rd.	29-Jul-15	0.81	<1	<2	17	<1	0.20
RMD-257	GRAB	6640 Blundell Rd.	29-Jul-15	0.85	<1	<2	16	<1	0.22
RMD-204	GRAB	3180 Granville Ave.	31-Jul-15	0.81	<1	<2	18	<1	0.28
RMD-206	GRAB	4251 Moncton St.	31-Jul-15	0.81	<1	<2	17	<1	0.21
RMD-216	GRAB	11080 No. 2 Rd.	31-Jul-15	0.91	<1	<2	18	<1	0.19
RMD-212	GRAB	Opp. 8600 Ryan Rd.	31-Jul-15	0.90	<1	<2	17	<1	0.21
RMD-208	GRAB	13200 No. 4 Rd.	31-Jul-15	0.93	<1	<2	16	<1	0.18
RMD-205	GRAB	13851 Steveston Hwy.	31-Jul-15	0.89	<1	<2	16	<1	0.33
RMD-202	GRAB	1500 Valemont Way	31-Jul-15	0.92	<1	<2	17	<1	0.30
RMD-214	GRAB	11720 Westminster Hwy.	31-Jul-15	0.77	<1	<2	17	<1	0.18
RMD-267	GRAB	17240 Fedoruk	31-Jul-15	0.84	<1	<2	18	<1	0.24
RMD-249	GRAB	23000 Blk. Dyke Rd.	31-Jul-15	0.78	<1	<2	19	<1	0.24
RMD-275	GRAB	5180 Smith Cres.	31-Jul-15	0.48	<1	<2	19	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	31-Jul-15	0.83	<1	<2	19	<1	0.35
RMD-203	GRAB	23260 Westminster Hwy.	31-Jul-15	0.83	<1	<2	17	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	4-Aug-15	0.81	<1	<2	17	<1	0.24
RMD-273	GRAB	Opp. 8331 Fairfax Place	4-Aug-15	0.78	<1	<2	22	<1	0.62
RMD-252	GRAB	9751 Pendleton Rd.	4-Aug-15	0.81	<1	<2	16	<1	0.19
RMD-274	GRAB	10920 Springwood Court	4-Aug-15	0.77	<1	<2	20	<1	0.22
RMD-250	GRAB	6071 Azure Rd.	4-Aug-15	0.85	<1	<2	18	<1	0.21
RMD-271	GRAB	3800 Cessna Drive	4-Aug-15	0.89	<1	<2	18	<1	0.32
RMD-272	GRAB	751 Catalina Cres.	4-Aug-15	0.98	<1	2	17	<1	0.29
RMD-255	GRAB	6000 Blk. Miller Rd.	4-Aug-15	0.97	<1	<2	16	<1	0.58
RMD-256	GRAB	1000 Blk. McDonald Rd.	4-Aug-15	0.55	<1	<2	19	<1	1.2
RMD-254	GRAB	5300 No. 3 Rd.	4-Aug-15	0.86	<1	<2	17	<1	0.25
RMD-270	GRAB	8200 Jones Rd.	4-Aug-15	0.73	<1	2	17	<1	0.22
RMD-269	GRAB	14951 Triangle Rd.	4-Aug-15	0.87	<1	<2	18	<1	0.24
RMD-253	GRAB	11051 No 3 Rd.	4-Aug-15	0.85	<1	4	17	<1	0.25
RMD-263	GRAB	12560 Cambie Rd.	5-Aug-15	0.80	<1	<2	17	<1	0.29
RMD-264	GRAB	13100 Mitchell Rd.	5-Aug-15	0.74	<1	2	17	<1	0.22
RMD-277	GRAB	Opp. 11280 Twigg Place	5-Aug-15	0.82	<1	<2	18	<1	0.38
RMD-262	GRAB	13799 Commerce Pkwy.	5-Aug-15	0.82	<1	<2	18	<1	0.31
RMD-278	GRAB	6651 Fraserwood Place	5-Aug-15	0.53	<1	<2	19	<1	0.27
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	5-Aug-15	0.92	<1	<2	18	<1	0.34
RMD-261	GRAB	9911 Sidaway Rd.	5-Aug-15	0.74	<1	<2	18	<1	0.34
RMD-260	GRAB	11111 Horseshoe Way	5-Aug-15	0.83	<1	<2	16	<1	0.28

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-259	GRAB	10020 Amethyst Ave.	5-Aug-15	0.77	<1	<2	18	<1	0.19
RMD-266	GRAB	9380 General Currie Rd.	5-Aug-15	0.80	<1	2	16	<1	0.22
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	5-Aug-15	0.61	<1	<2	18	<1	0.18
RMD-258	GRAB	7000 Blk. Dyke Rd.	5-Aug-15	0.78	<1	6	19	<1	0.19
RMD-257	GRAB	6640 Blundell Rd.	5-Aug-15	0.91	<1	<2	17	<1	0.19
RMD-204	GRAB	3180 Granville Ave.	6-Aug-15	0.51	<1	<2	19	<1	0.19
RMD-206	GRAB	4251 Moncton St.	6-Aug-15	0.64	<1	<2	18	<1	0.25
RMD-216	GRAB	11080 No. 2 Rd.	6-Aug-15	0.90	<1	<2	17	<1	0.31
RMD-212	GRAB	Opp. 8600 Ryan Rd.	6-Aug-15	0.72	<1	<2	19	<1	0.19
RMD-208	GRAB	13200 No. 4 Rd.	6-Aug-15	0.93	<1	<2	17	<1	0.17
RMD-205	GRAB	13851 Steveston Hwy.	6-Aug-15	0.71	<1	<2	16	<1	0.22
RMD-202	GRAB	1500 Valemont Way	6-Aug-15	0.88	<1	<2	18	<1	0.23
RMD-214	GRAB	11720 Westminster Hwy.	6-Aug-15	0.96	<1	<2	17	<1	0.18
RMD-267	GRAB	17240 Fedoruk	6-Aug-15	0.74	<1	2	18	<1	0.43
RMD-249	GRAB	23000 Blk. Dyke Rd.	6-Aug-15	0.47	<1	<2	19	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	6-Aug-15	0.76	<1	<2	18	<1	0.28
RMD-275	GRAB	5180 Smith Cres.	6-Aug-15	0.32	<1	<2	18	<1	0.26
RMD-203	GRAB	23260 Westminster Hwy.	6-Aug-15	0.69	<1	<2	17	<1	0.24
RMD-251	GRAB	5951McCallan Rd.	10-Aug-15	0.81	<1	<2	16	<1	0.23
RMD-273	GRAB	Opp. 8331 Fairfax Place	10-Aug-15	0.67	<1	<2	22	<1	0.42
RMD-252	GRAB	9751 Pendleton Rd.	10-Aug-15	0.82	<1	<2	17	<1	0.21
RMD-274	GRAB	10920 Springwood Court	10-Aug-15	0.69	<1	<2	20	<1	0.18
RMD-250	GRAB	6071 Azure Rd.	10-Aug-15	0.74	<1	<2	18	<1	0.25
RMD-271	GRAB	3800 Cessna Drive	10-Aug-15	0.79	<1	<2	18	<1	0.19
RMD-272	GRAB	751 Catalina Cres.	10-Aug-15	0.88	<1	<2	17	<1	0.27
RMD-255	GRAB	6000 Blk. Miller Rd.	10-Aug-15	0.86	<1	<2	16	<1	0.56
RMD-256	GRAB	1000 Blk. McDonald Rd.	10-Aug-15	0.31	<1	<2	19	<1	0.99
RMD-254	GRAB	5300 No. 3 Rd.	10-Aug-15	0.87	<1	<2	17	<1	0.22
RMD-270	GRAB	8200 Jones Rd.	10-Aug-15	0.76	<1	2	18	<1	0.28
RMD-269	GRAB	14951 Triangle Rd.	10-Aug-15	0.92	<1	<2	18	<1	0.29
RMD-253	GRAB	11051 No 3 Rd.	10-Aug-15	0.79	<1	2	17	<1	0.29
RMD-263	GRAB	12560 Cambie Rd.	12-Aug-15	0.91	<1	2	18	<1	0.32
RMD-264	GRAB	13100 Mitchell Rd.	12-Aug-15	0.61	<1	4	18	<1	0.31
RMD-277	GRAB	Opp. 11280 Twigg Place	12-Aug-15	0.63	<1	<2	19	<1	0.17
RMD-262	GRAB	13799 Commerce Pkwy.	12-Aug-15	0.87	<1	2	19	<1	0.32
RMD-278	GRAB	6651 Fraserwood Place	12-Aug-15	0.57	<1	<2	19	<1	0.44
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	12-Aug-15	0.89	<1	<2	18	<1	0.30
RMD-261	GRAB	9911 Sidaway Rd.	12-Aug-15	0.85	<1	<2	17	<1	0.27
RMD-260	GRAB	11111 Horseshoe Way	12-Aug-15	0.90	<1	<2	18	<1	0.29
RMD-259	GRAB	10020 Amethyst Ave.	12-Aug-15	0.74	<1	<2	18	<1	0.23

PWT - 96

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-266	GRAB	9380 General Currie Rd.	12-Aug-15	0.86	<1	<2	17	<1	0.28
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	12-Aug-15	0.74	<1	2	18	<1	0.18
RMD-258	GRAB	7000 Blk. Dyke Rd.	12-Aug-15	0.85	<1	8	19	<1	0.17
RMD-257	GRAB	6640 Blundell Rd.	12-Aug-15	0.88	<1	<2	17	<1	0.25
RMD-204	GRAB	3180 Granville Ave.	14-Aug-15	1.0	<1	<2	18	<1	0.41
RMD-206	GRAB	4251 Moncton St.	14-Aug-15	0.76	<1	<2	19	<1	0.19
RMD-216	GRAB	11080 No. 2 Rd.	14-Aug-15	0.83	<1	<2	17	<1	0.19
RMD-208	GRAB	13200 No. 4 Rd.	14-Aug-15	0.79	<1	<2	17	<1	0.19
RMD-212	GRAB	Opp. 8600 Ryan Rd.	14-Aug-15	0.85	<1	<2	18	<1	0.19
RMD-205	GRAB	13851 Steveston Hwy.	14-Aug-15	0.71	<1	<2	16	<1	0.29
RMD-202	GRAB	1500 Valemont Way	14-Aug-15	0.75	<1	aminatic	17	<1	0.23
RMD-214	GRAB	11720 Westminster Hwy.	14-Aug-15	1.0	<1	<2	16	<1	0.17
RMD-267	GRAB	17240 Fedoruk	14-Aug-15	0.82	<1	<2	18	<1	0.25
RMD-249	GRAB	23000 Blk. Dyke Rd.	14-Aug-15	0.86	<1	<2	19	<1	0.30
RMD-276	GRAB	22271 Cochrane Drive	14-Aug-15	0.79	<1	<2	18	<1	0.24
RMD-275	GRAB	5180 Smith Cres.	14-Aug-15	0.33	<1	2	19	<1	0.34
RMD-203	GRAB	23260 Westminster Hwy.	14-Aug-15	0.78	<1	<2	17	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	17-Aug-15	0.84	<1	<2	17	<1	0.21
RMD-273	GRAB	Opp. 8331 Fairfax Place	17-Aug-15	0.78	<1	<2	21	<1	0.23
RMD-252	GRAB	9751 Pendleton Rd.	17-Aug-15	0.78	<1	<2	17	<1	0.23
RMD-274	GRAB	10920 Springwood Court	17-Aug-15	0.65	<1	<2	21	<1	0.17
RMD-250	GRAB	6071 Azure Rd.	17-Aug-15	0.73	<1	<2	18	<1	0.19
RMD-271	GRAB	3800 Cessna Drive	17-Aug-15	0.84	<1	<2	18	<1	0.16
RMD-272	GRAB	751 Catalina Cres.	17-Aug-15	0.84	<1	<2	19	<1	0.17
RMD-255	GRAB	6000 Blk. Miller Rd.	17-Aug-15	0.91	<1	<2	17	<1	1.8
RMD-256	GRAB	1000 Blk. McDonald Rd.	17-Aug-15	0.49	<1	<2	18	<1	1.6
RMD-254	GRAB	5300 No. 3 Rd.	17-Aug-15	0.79	<1	<2	18	<1	0.23
RMD-270	GRAB	8200 Jones Rd.	17-Aug-15	0.83	<1	2	19	<1	0.22
RMD-269	GRAB	14951 Triangle Rd.	17-Aug-15	0.96	<1	<2	18	<1	0.30
RMD-253	GRAB	11051 No 3 Rd.	17-Aug-15	0.90	<1	<2	18	<1	0.20
RMD-263	GRAB	12560 Cambie Rd.	19-Aug-15	0.90	<1	<2	17	<1	0.24
RMD-264	GRAB	13100 Mitchell Rd.	19-Aug-15	0.71	<1	2	18	<1	0.25
RMD-277	GRAB	Opp. 11280 Twigg Place	19-Aug-15	0.60	<1	<2	22	<1	0.23
RMD-262	GRAB	13799 Commerce Pkwy.	19-Aug-15	1.0	<1	<2	18	<1	0.67
RMD-278	GRAB	6651 Fraserwood Place	19-Aug-15	0.93	<1	<2	19	<1	0.53
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	19-Aug-15	0.75	<1	<2	18	<1	0.37
RMD-261	GRAB	9911 Sidaway Rd.	19-Aug-15	0.91	<1	2	18	1	0.59
RMD-260	GRAB	11111 Horseshoe Way	19-Aug-15	0.93	<1	<2	17	<1	0.58
RMD-259	GRAB	10020 Amethyst Ave.	19-Aug-15	0.78	<1	<2	18	<1	0.32
RMD-266	GRAB	9380 General Currie Rd.	19-Aug-15	0.89	<1	<2	17	<1	0.36

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-257	GRAB	6640 Blundell Rd.	19-Aug-15	0.87	<1	aminatic	17	1	0.24
RMD-204	GRAB	3180 Granville Ave.	20-Aug-15	0.84	<1	<2	18	<1	0.21
RMD-206	GRAB	4251 Moncton St.	20-Aug-15	0.92	<1	<2	18	<1	0.74
RMD-216	GRAB	11080 No. 2 Rd.	20-Aug-15	0.78	<1	2	17	<1	0.31
RMD-212	GRAB	Opp. 8600 Ryan Rd.	20-Aug-15	0.89	<1	<2	17	<1	0.22
RMD-208	GRAB	13200 No. 4 Rd.	20-Aug-15	0.84	<1	<2	18	<1	0.21
RMD-205	GRAB	13851 Steveston Hwy.	20-Aug-15	0.80	<1	<2	17	<1	0.32
RMD-202	GRAB	1500 Valemont Way	20-Aug-15	0.93	<1	2	17	<1	0.30
RMD-214	GRAB	11720 Westminster Hwy.	20-Aug-15	0.87	<1	2	18	<1	0.20
RMD-267	GRAB	17240 Fedoruk	20-Aug-15	0.83	<1	<2	22	<1	0.26
RMD-249	GRAB	23000 Blk. Dyke Rd.	20-Aug-15	0.56	<1	2	18	<1	0.48
RMD-276	GRAB	22271 Cochrane Drive	20-Aug-15	0.78	<1	2	18	<1	0.35
RMD-275	GRAB	5180 Smith Cres.	20-Aug-15	0.39	<1	<2	19	<1	0.28
RMD-203	GRAB	23260 Westminster Hwy.	20-Aug-15	0.86	<1	<2	18	1	0.38
RMD-258	GRAB	7000 Blk. Dyke Rd.	21-Aug-15	1.2	<1	not don	16	<1	0.23
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	21-Aug-15	0.73	<1	not don	16	<1	0.31
RMD-251	GRAB	5951McCallan Rd.	24-Aug-15	0.69	<1	<2	17	<1	0.21
RMD-273	GRAB	Opp. 8331 Fairfax Place	24-Aug-15	0.75	<1	<2	22	<1	0.47
RMD-252	GRAB	9751 Pendleton Rd.	24-Aug-15	0.69	<1	<2	18	<1	0.35
RMD-274	GRAB	10920 Springwood Court	24-Aug-15	0.51	<1	2	20	<1	0.20
RMD-250	GRAB	6071 Azure Rd.	24-Aug-15	0.68	<1	<2	17	<1	0.31
RMD-271	GRAB	3800 Cessna Drive	24-Aug-15	0.79	<1	<2	19	<1	0.24
RMD-272	GRAB	751 Catalina Cres.	24-Aug-15	0.70	<1	<2	17	<1	0.31
RMD-255	GRAB	6000 Blk. Miller Rd.	24-Aug-15	0.65	<1	<2	17	<1	1.2
RMD-256	GRAB	1000 Blk. McDonald Rd.	24-Aug-15	0.46	<1	<2	20	<1	0.90
RMD-254	GRAB	5300 No. 3 Rd.	24-Aug-15	0.75	<1	2	18	<1	0.25
RMD-270	GRAB	8200 Jones Rd.	24-Aug-15	0.77	<1	2	19	<1	0.25
RMD-269	GRAB	14951 Triangle Rd.	24-Aug-15	1.0	<1	<2	17	<1	0.30
RMD-253	GRAB	11051 No 3 Rd.	24-Aug-15	0.76	<1	<2	18	<1	0.35
RMD-263	GRAB	12560 Cambie Rd.	26-Aug-15	0.93	<1	2	17	<1	0.31
RMD-264	GRAB	13100 Mitchell Rd.	26-Aug-15	0.90	<1	2	17	<1	0.31
RMD-277	GRAB	Opp. 11280 Twigg Place	26-Aug-15	0.87	<1	<2	18	<1	0.29
RMD-262	GRAB	13799 Commerce Pkwy.	26-Aug-15	1.0	<1	<2	18	<1	0.35
RMD-278	GRAB	6651 Fraserwood Place	26-Aug-15	0.89	<1	<2	18	<1	0.35
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	26-Aug-15	0.93	<1	<2	16	<1	0.36
RMD-261	GRAB	9911 Sidaway Rd.	26-Aug-15	0.99	<1	2	16	<1	0.62
RMD-260	GRAB	11111 Horseshoe Way	26-Aug-15	0.98	<1	<2	17	<1	0.33
RMD-259	GRAB	10020 Amethyst Ave.	26-Aug-15	0.89	<1	<2	18	<1	0.29
RMD-266	GRAB	9380 General Currie Rd.	26-Aug-15	0.82	<1	<2	18	<1	0.37
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	26-Aug-15	0.83	<1	<2	17	<1	0.29

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-258	GRAB	7000 Blk. Dyke Rd.	26-Aug-15	0.86	<1	2	18	<1	0.26
RMD-257	GRAB	6640 Blundell Rd.	26-Aug-15	1.1	<1	<2	16	<1	0.34
RMD-204	GRAB	3180 Granville Ave.	28-Aug-15	0.89	<1	<2	19	<1	0.27
RMD-206	GRAB	4251 Moncton St.	28-Aug-15	0.92	<1	<2	17	<1	0.70
RMD-216	GRAB	11080 No. 2 Rd.	28-Aug-15	1.0	<1	<2	17	<1	0.22
RMD-212	GRAB	Opp. 8600 Ryan Rd.	28-Aug-15	1.1	<1	2	17	<1	0.19
RMD-208	GRAB	13200 No. 4 Rd.	28-Aug-15	0.95	<1	<2	18	1	0.20
RMD-205	GRAB	13851 Steveston Hwy.	28-Aug-15	0.96	<1	<2	16	<1	0.31
RMD-202	GRAB	1500 Valemont Way	28-Aug-15	1.1	<1	<2	17	<1	0.28
RMD-214	GRAB	11720 Westminster Hwy.	28-Aug-15	0.98	<1	2	17	<1	0.21
RMD-267	GRAB	17240 Fedoruk	28-Aug-15	0.86	<1	<2	18	<1	0.26
RMD-249	GRAB	23000 Blk. Dyke Rd.	28-Aug-15	0.80	<1	<2	18	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	28-Aug-15	0.93	<1	2	18	<1	0.26
RMD-275	GRAB	5180 Smith Cres.	28-Aug-15	0.60	<1	<2	19	<1	0.25
RMD-203	GRAB	23260 Westminster Hwy.	28-Aug-15	0.90	<1	<2	17	<1	0.25
RMD-251	GRAB	5951McCallan Rd.	31-Aug-15	0.83	<1	<2	17	<1	0.22
RMD-273	GRAB	Opp. 8331 Fairfax Place	31-Aug-15	0.59	<1	<2	21	<1	0.63
RMD-252	GRAB	9751 Pendleton Rd.	31-Aug-15	0.79	<1	<2	18	<1	0.22
RMD-274	GRAB	10920 Springwood Court	31-Aug-15	0.42	<1	<2	19	<1	0.24
RMD-250	GRAB	6071 Azure Rd.	31-Aug-15	0.81	<1	<2	18	<1	0.26
RMD-271	GRAB	3800 Cessna Drive	31-Aug-15	1.2	<1	<2	19	<1	0.26
RMD-272	GRAB	751 Catalina Cres.	31-Aug-15	0.83	<1	<2	18	<1	0.27
RMD-255	GRAB	6000 Blk. Miller Rd.	31-Aug-15	1.0	<1	<2	17	<1	0.29
RMD-256	GRAB	1000 Blk. McDonald Rd.	31-Aug-15	0.49	<1	<2	20	<1	2.4
RMD-254	GRAB	5300 No. 3 Rd.	31-Aug-15	0.83	<1	<2	18	<1	0.22
RMD-270	GRAB	8200 Jones Rd.	31-Aug-15	0.88	<1	<2	18	<1	0.20
RMD-269	GRAB	14951 Triangle Rd.	31-Aug-15	0.98	<1	<2	16	<1	0.40
RMD-253	GRAB	11051 No 3 Rd.	31-Aug-15	0.99	<1	<2	17	<1	0.25
RMD-263	GRAB	12560 Cambie Rd.	2-Sep-15	0.79	<1	<2	16	<1	0.19
RMD-264	GRAB	13100 Mitchell Rd.	2-Sep-15	1.0	<1	2	16	<1	0.20
RMD-277	GRAB	Opp. 11280 Twigg Place	2-Sep-15	0.75	<1	4	18	<1	0.30
RMD-262	GRAB	13799 Commerce Pkwy.	2-Sep-15	0.58	<1	<2	15	<1	0.17
RMD-278	GRAB	6651 Fraserwood Place	2-Sep-15	0.60	<1	<2	16	<1	0.12
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	2-Sep-15	0.65	<1	2	15	<1	0.16
RMD-261	GRAB	9911 Sidaway Rd.	2-Sep-15	0.64	<1	<2	16	<1	0.14
RMD-260	GRAB	11111 Horseshoe Way	2-Sep-15	0.82	<1	2	16	<1	0.16
RMD-259	GRAB	10020 Amethyst Ave.	2-Sep-15	0.73	<1	<2	17	<1	0.19
RMD-266	GRAB	9380 General Currie Rd.	2-Sep-15	0.79	<1	<2	16	<1	0.21
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	2-Sep-15	1.1	<1	<2	17	<1	0.19
RMD-258	GRAB	7000 Blk. Dyke Rd.	2-Sep-15	1.1	<1	4	17	<1	0.16

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-257	GRAB	6640 Blundell Rd.	2-Sep-15	0.93	<1	<2	15	<1	0.17
RMD-204	GRAB	3180 Granville Ave.	3-Sep-15	0.92	<1	<2	18	<1	1.2
RMD-206	GRAB	4251 Moncton St.	3-Sep-15	1.1	<1	<2	17	<1	0.19
RMD-216	GRAB	11080 No. 2 Rd.	3-Sep-15	0.77	<1	<2	16	<1	0.16
RMD-212	GRAB	Opp. 8600 Ryan Rd.	3-Sep-15	1.2	<1	<2	16	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	3-Sep-15	0.83	<1	<2	16	<1	0.16
RMD-205	GRAB	13851 Steveston Hwy.	3-Sep-15	0.99	<1	<2	15	1	0.11
RMD-202	GRAB	1500 Valemont Way	3-Sep-15	0.74	<1	<2	15	<1	0.15
RMD-214	GRAB	11720 Westminster Hwy.	3-Sep-15	1.1	<1	<2	17	<1	0.12
RMD-267	GRAB	17240 Fedoruk	3-Sep-15	0.57	<1	<2	16	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	3-Sep-15	0.78	<1	2	15	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	3-Sep-15	0.98	<1	16	17	<1	0.15
RMD-275	GRAB	5180 Smith Cres.	3-Sep-15	0.46	<1	<2	18	<1	0.14
RMD-203	GRAB	23260 Westminster Hwy.	3-Sep-15	0.65	<1	<2	16	<1	0.11
RMD-251	GRAB	5951McCallan Rd.	8-Sep-15	1.1	<1	<2	15	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	8-Sep-15	0.92	<1	<2	19	<1	0.72
RMD-252	GRAB	9751 Pendleton Rd.	8-Sep-15	0.60	<1	<2	16	<1	0.19
RMD-274	GRAB	10920 Springwood Court	8-Sep-15	0.87	<1	<2	17	<1	0.16
RMD-250	GRAB	6071 Azure Rd.	8-Sep-15	1.0	<1	<2	16	<1	0.18
RMD-271	GRAB	3800 Cessna Drive	8-Sep-15	1.0	<1	<2	17	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	8-Sep-15	0.98	<1	<2	15	<1	0.16
RMD-255	GRAB	6000 Blk. Miller Rd.	8-Sep-15	0.91	<1	<2	14	<1	0.38
RMD-256	GRAB	1000 Blk. McDonald Rd.	8-Sep-15	0.49	<1	<2	17	<1	1.5
RMD-254	GRAB	5300 No. 3 Rd.	8-Sep-15	0.98	<1	<2	15	<1	0.74
RMD-270	GRAB	8200 Jones Rd.	8-Sep-15	0.86	<1	2	16	<1	0.12
RMD-269	GRAB	14951 Triangle Rd.	8-Sep-15	0.66	<1	2	14	<1	0.15
RMD-253	GRAB	11051 No 3 Rd.	8-Sep-15	0.87	<1	<2	16	<1	0.20
RMD-263	GRAB	12560 Cambie Rd.	9-Sep-15	0.96	<1	<2	15	<1	0.25
RMD-264	GRAB	13100 Mitchell Rd.	9-Sep-15	1.2	<1	<2	15	<1	0.18
RMD-277	GRAB	Opp. 11280 Twigg Place	9-Sep-15	1.1	<1	<2	16	<1	0.25
RMD-262	GRAB	13799 Commerce Pkwy.	9-Sep-15	0.66	<1	<2	16	<1	0.15
RMD-278	GRAB	6651 Fraserwood Place	9-Sep-15	0.67	<1	<2	16	<1	0.16
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	9-Sep-15	0.62	<1	<2	14	<1	0.10
RMD-261	GRAB	9911 Sidaway Rd.	9-Sep-15	0.62	<1	<2	14	<1	0.19
RMD-260	GRAB	11111 Horseshoe Way	9-Sep-15	1.2	<1	<2	14	<1	0.20
RMD-259	GRAB	10020 Amethyst Ave.	9-Sep-15	0.73	<1	<2	16	<1	0.11
RMD-266	GRAB	9380 General Currie Rd.	9-Sep-15	1.1	<1	2	15	<1	0.18
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	9-Sep-15	0.99	<1	<2	15	<1	0.19
RMD-258	GRAB	7000 Blk. Dyke Rd.	9-Sep-15	0.96	<1	<2	15	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	9-Sep-15	1.1	<1	<2	15	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-204	GRAB	3180 Granville Ave.	11-Sep-15	1.5	<1	<2	17	<1	0.76
RMD-206	GRAB	4251 Moncton St.	11-Sep-15	1.2	<1	<2	15	<1	0.22
RMD-216	GRAB	11080 No. 2 Rd.	11-Sep-15	1.0	<1	<2	16	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	11-Sep-15	1.4	<1	<2	15	<1	0.10
RMD-208	GRAB	13200 No. 4 Rd.	11-Sep-15	1.4	<1	<2	17	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	11-Sep-15	1.2	<1	<2	15	<1	0.15
RMD-202	GRAB	1500 Valemont Way	11-Sep-15	1.1	<1	<2	16	<1	0.15
RMD-214	GRAB	11720 Westminster Hwy.	11-Sep-15	1.3	<1	<2	15	<1	0.12
RMD-267	GRAB	17240 Fedoruk	11-Sep-15	0.91	<1	2	16	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	11-Sep-15	0.93	<1	<2	17	<1	0.18
RMD-276	GRAB	22271 Cochrane Drive	11-Sep-15	0.88	<1	<2	16	<1	0.17
RMD-275	GRAB	5180 Smith Cres.	11-Sep-15	0.68	<1	<2	18	<1	0.16
RMD-203	GRAB	23260 Westminster Hwy.	11-Sep-15	0.79	<1	<2	15	<1	0.12
RMD-251	GRAB	5951McCallan Rd.	14-Sep-15	1.1	<1	<2	15	<1	0.11
RMD-273	GRAB	Opp. 8331 Fairfax Place	14-Sep-15	0.58	<1	<2	20	<1	1.2
RMD-252	GRAB	9751 Pendleton Rd.	14-Sep-15	0.71	<1	<2	16	<1	0.13
RMD-274	GRAB	10920 Springwood Court	14-Sep-15	0.91	<1	<2	17	<1	0.16
RMD-250	GRAB	6071 Azure Rd.	14-Sep-15	1.2	<1	<2	17	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	14-Sep-15	1.0	<1	<2	17	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	14-Sep-15	1.1	<1	<2	17	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	14-Sep-15	1.2	<1	<2	15	<1	0.21
RMD-256	GRAB	1000 Blk. McDonald Rd.	14-Sep-15	0.71	<1	<2	18	<1	1.6
RMD-254	GRAB	5300 No. 3 Rd.	14-Sep-15	0.62	<1	<2	16	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	14-Sep-15	0.96	<1	<2	17	<1	0.20
RMD-269	GRAB	14951 Triangle Rd.	14-Sep-15	0.54	<1	<2	15	<1	0.13
RMD-253	GRAB	11051 No 3 Rd.	14-Sep-15	1.1	<1	<2	15	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	16-Sep-15	0.90	<1	2	15	<1	0.16
RMD-264	GRAB	13100 Mitchell Rd.	16-Sep-15	0.77	<1	<2	15	<1	0.19
RMD-277	GRAB	Opp. 11280 Twigg Place	16-Sep-15	0.64	<1	2	15	<1	0.18
RMD-262	GRAB	13799 Commerce Pkwy.	16-Sep-15	0.64	<1	<2	15	<1	0.21
RMD-278	GRAB	6651 Fraserwood Place	16-Sep-15	0.67	<1	<2	16	<1	0.17
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	16-Sep-15	0.57	<1	<2	15	<1	1.7
RMD-261	GRAB	9911 Sidaway Rd.	16-Sep-15	0.50	<1	<2	15	<1	0.12
RMD-260	GRAB	11111 Horseshoe Way	16-Sep-15	0.76	<1	<2	15	<1	0.14
RMD-259	GRAB	10020 Amethyst Ave.	16-Sep-15	0.70	<1	2	16	<1	0.08
RMD-266	GRAB	9380 General Currie Rd.	16-Sep-15	0.71	<1	<2	15	<1	0.14
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	16-Sep-15	0.76	<1	<2	16	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	16-Sep-15	0.50	<1	<2	16	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	16-Sep-15	0.63	<1	<2	15	<1	0.20
RMD-204	GRAB	3180 Granville Ave.	17-Sep-15	0.34	<1	<2	17	<1	0.10

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-206	GRAB	4251 Moncton St.	17-Sep-15	0.64	<1	<2	15	<1	0.26
RMD-216	GRAB	11080 No. 2 Rd.	17-Sep-15	0.60	<1	<2	15	<1	0.13
RMD-212	GRAB	Opp. 8600 Ryan Rd.	17-Sep-15	1.1	<1	<2	15	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	17-Sep-15	0.81	<1	<2	15	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	17-Sep-15	0.67	<1	<2	14	<1	0.09
RMD-202	GRAB	1500 Valemont Way	17-Sep-15	0.68	<1	<2	15	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	17-Sep-15	0.75	<1	<2	15	<1	0.11
RMD-267	GRAB	17240 Fedoruk	17-Sep-15	0.71	<1	<2	16	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	17-Sep-15	0.83	<1	<2	16	<1	0.18
RMD-276	GRAB	22271 Cochrane Drive	17-Sep-15	0.85	<1	<2	15	<1	0.12
RMD-275	GRAB	5180 Smith Cres.	17-Sep-15	0.41	<1	<2	16	<1	0.22
RMD-203	GRAB	23260 Westminster Hwy.	17-Sep-15	0.91	<1	<2	15	<1	0.26
RMD-251	GRAB	5951McCallan Rd.	21-Sep-15	0.68	<1	<2	14	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	21-Sep-15	0.65	<1	<2	18	<1	0.71
RMD-252	GRAB	9751 Pendleton Rd.	21-Sep-15	0.70	<1	<2	15	<1	0.16
RMD-274	GRAB	10920 Springwood Court	21-Sep-15	0.61	<1	<2	17	<1	0.12
RMD-250	GRAB	6071 Azure Rd.	21-Sep-15	0.56	<1	<2	16	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	21-Sep-15	0.64	<1	2	15	<1	0.14
RMD-272	GRAB	751 Catalina Cres.	21-Sep-15	0.88	<1	<2	14	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	21-Sep-15	0.86	<1	<2	14	<1	0.39
RMD-256	GRAB	1000 Blk. McDonald Rd.	21-Sep-15	0.43	<1	<2	17	<1	0.93
RMD-254	GRAB	5300 No. 3 Rd.	21-Sep-15	0.67	<1	<2	15	<1	0.14
RMD-270	GRAB	8200 Jones Rd.	21-Sep-15	0.65	<1	<2	15	<1	0.15
RMD-269	GRAB	14951 Triangle Rd.	21-Sep-15	0.63	<1	<2	13	<1	0.18
RMD-253	GRAB	11051 No 3 Rd.	21-Sep-15	0.57	<1	<2	14	<1	0.15
RMD-263	GRAB	12560 Cambie Rd.	23-Sep-15	0.60	<1	<2	14	<1	0.17
RMD-264	GRAB	13100 Mitchell Rd.	23-Sep-15	0.74	<1	<2	14	<1	0.22
RMD-277	GRAB	Opp. 11280 Twigg Place	23-Sep-15	0.72	<1	<2	15	<1	0.19
RMD-262	GRAB	13799 Commerce Pkwy.	23-Sep-15	0.63	<1	<2	13	<1	0.12
RMD-278	GRAB	6651 Fraserwood Place	23-Sep-15	0.58	<1	2	16	<1	0.27
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	23-Sep-15	0.64	<1	2	15	<1	0.10
RMD-261	GRAB	9911 Sidaway Rd.	23-Sep-15	0.55	<1	<2	15	<1	0.15
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	23-Sep-15	0.67	<1	<2	15	<1	0.14
RMD-260	GRAB	11111 Horseshoe Way	23-Sep-15	0.64	<1	<2	14	<1	0.12
RMD-259	GRAB	10020 Amethyst Ave.	23-Sep-15	0.57	<1	<2	14	<1	0.16
RMD-266	GRAB	9380 General Currie Rd.	23-Sep-15	0.71	<1	<2	14	<1	0.20
RMD-258	GRAB	7000 Blk. Dyke Rd.	23-Sep-15	0.65	<1	<2	14	<1	0.18
RMD-257	GRAB	6640 Blundell Rd.	23-Sep-15	0.69	<1	<2	14	<1	0.20
RMD-204	GRAB	3180 Granville Ave.	25-Sep-15	0.96	<1	<2	16	<1	0.69
RMD-206	GRAB	4251 Moncton St.	25-Sep-15	0.79	<1	<2	14	<1	0.16

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-216	GRAB	11080 No. 2 Rd.	25-Sep-15	0.75	<1	<2	14	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	25-Sep-15	0.65	<1	<2	15	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	25-Sep-15	0.69	<1	<2	16	<1	0.16
RMD-205	GRAB	13851 Steveston Hwy.	25-Sep-15	0.59	<1	<2	13	<1	0.09
RMD-202	GRAB	1500 Valemont Way	25-Sep-15	0.55	<1	2	14	<1	0.13
RMD-214	GRAB	11720 Westminster Hwy.	25-Sep-15	0.62	<1	<2	14	<1	0.10
RMD-267	GRAB	17240 Fedoruk	25-Sep-15	0.57	<1	<2	16	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	25-Sep-15	0.59	<1	<2	15	<1	0.11
RMD-276	GRAB	22271 Cochrane Drive	25-Sep-15	0.58	<1	6	14	<1	0.11
RMD-275	GRAB	5180 Smith Cres.	25-Sep-15	0.39	<1	<2	16	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	25-Sep-15	0.45	<1	<2	15	<1	0.10
RMD-252	GRAB	9751 Pendleton Rd.	28-Sep-15	0.67	<1	<2	15	<1	0.12
RMD-251	GRAB	5951McCallan Rd.	28-Sep-15	0.71	<1	<2	13	<1	0.14
RMD-273	GRAB	Opp. 8331 Fairfax Place	28-Sep-15	0.56	<1	<2	18	<1	0.19
RMD-274	GRAB	10920 Springwood Court	28-Sep-15	0.58	<1	<2	16	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	28-Sep-15	0.63	<1	<2	15	<1	0.19
RMD-271	GRAB	3800 Cessna Drive	28-Sep-15	0.62	<1	<2	15	<1	0.14
RMD-272	GRAB	751 Catalina Cres.	28-Sep-15	0.69	<1	<2	15	<1	0.16
RMD-255	GRAB	6000 Blk. Miller Rd.	28-Sep-15	0.70	<1	<2	14	<1	0.20
RMD-256	GRAB	1000 Blk. McDonald Rd.	28-Sep-15	0.32	<1	<2	16	<1	1.0
RMD-254	GRAB	5300 No. 3 Rd.	28-Sep-15	0.72	<1	<2	14	<1	0.18
RMD-270	GRAB	8200 Jones Rd.	28-Sep-15	0.69	<1	<2	14	<1	0.19
RMD-269	GRAB	14951 Triangle Rd.	28-Sep-15	0.62	<1	<2	13	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	28-Sep-15	0.68	<1	2	13	<1	0.20
RMD-263	GRAB	12560 Cambie Rd.	30-Sep-15	0.71	<1	2	14	<1	0.14
RMD-264	GRAB	13100 Mitchell Rd.	30-Sep-15	0.88	<1	<2	14	<1	0.25
RMD-277	GRAB	Opp. 11280 Twigg Place	30-Sep-15	0.82	<1	<2	15	<1	0.21
RMD-262	GRAB	13799 Commerce Pkwy.	30-Sep-15	0.42	<1	<2	13	<1	0.25
RMD-278	GRAB	6651 Fraserwood Place	30-Sep-15	0.55	<1	<2	15	<1	0.27
RMD-261	GRAB	9911 Sidaway Rd.	30-Sep-15	0.64	<1	<2	14	<1	0.24
RMD-260	GRAB	11111 Horseshoe Way	30-Sep-15	0.85	<1	<2	13	<1	0.21
RMD-259	GRAB	10020 Amethyst Ave.	30-Sep-15	0.80	<1	<2	14	<1	0.16
RMD-266	GRAB	9380 General Currie Rd.	30-Sep-15	0.85	<1	<2	13	<1	0.27
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	30-Sep-15	0.78	<1	<2	15	<1	0.19
RMD-258	GRAB	7000 Blk. Dyke Rd.	30-Sep-15	0.82	<1	2	15	<1	0.19
RMD-257	GRAB	6640 Blundell Rd.	30-Sep-15	0.81	<1	<2	15	<1	0.22
RMD-204	GRAB	3180 Granville Ave.	1-Oct-15	1.0	<1	<2	15	<1	0.29
RMD-206	GRAB	4251 Moncton St.	1-Oct-15	0.91	<1	<2	14	<1	0.28
RMD-216	GRAB	11080 No. 2 Rd.	1-Oct-15	0.85	<1	<2	13	<1	0.51
RMD-212	GRAB	Opp. 8600 Ryan Rd.	1-Oct-15	0.73	<1	<2	13	<1	0.45

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-208	GRAB	13200 No. 4 Rd.	1-Oct-15	0.71	<1	2	15	<1	0.26
RMD-205	GRAB	13851 Steveston Hwy.	1-Oct-15	0.89	<1	<2	15	<1	0.19
RMD-202	GRAB	1500 Valemont Way	1-Oct-15	0.57	<1	<2	14	<1	0.23
RMD-214	GRAB	11720 Westminster Hwy.	1-Oct-15	0.93	<1	<2	13	<1	0.20
RMD-267	GRAB	17240 Fedoruk	1-Oct-15	0.60	<1	<2	15	<1	0.10
RMD-249	GRAB	23000 Blk. Dyke Rd.	1-Oct-15	0.56	<1	<2	15	<1	0.24
RMD-276	GRAB	22271 Cochrane Drive	1-Oct-15	0.50	<1	<2	14	<1	0.14
RMD-275	GRAB	5180 Smith Cres.	1-Oct-15	0.42	<1	<2	15	<1	0.16
RMD-203	GRAB	23260 Westminster Hwy.	1-Oct-15	0.62	<1	<2	14	<1	0.18
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	1-Oct-15	0.62	<1	<2	14	<1	0.39
RMD-251	GRAB	5951McCallan Rd.	5-Oct-15	0.68	<1	2	13	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	5-Oct-15	0.62	<1	<2	17	<1	0.14
RMD-252	GRAB	9751 Pendleton Rd.	5-Oct-15	0.67	<1	<2	15	<1	0.12
RMD-274	GRAB	10920 Springwood Court	5-Oct-15	0.72	<1	<2	16	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	5-Oct-15	0.72	<1	<2	14	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	5-Oct-15	0.88	<1	<2	15	<1	0.12
RMD-255	GRAB	6000 Blk. Miller Rd.	5-Oct-15	0.98	<1	<2	13	<1	0.20
RMD-256	GRAB	1000 Blk. McDonald Rd.	5-Oct-15	0.46	<1	<2	16	<1	0.65
RMD-270	GRAB	8200 Jones Rd.	5-Oct-15	0.76	<1	<2	14	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	5-Oct-15	0.86	<1	<2	14	<1	0.11
RMD-263	GRAB	12560 Cambie Rd.	7-Oct-15	0.45	<1	<2	14	<1	0.14
RMD-264	GRAB	13100 Mitchell Rd.	7-Oct-15	0.59	<1	<2	13	<1	0.21
RMD-277	GRAB	Opp. 11280 Twigg Place	7-Oct-15	0.73	<1	2	14	<1	0.29
RMD-262	GRAB	13799 Commerce Pkwy.	7-Oct-15	0.73	<1	<2	14	<1	0.29
RMD-278	GRAB	6651 Fraserwood Place	7-Oct-15	0.53	<1	<2	14	<1	0.20
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	7-Oct-15	0.69	<1	<2	14	<1	0.17
RMD-261	GRAB	9911 Sidaway Rd.	7-Oct-15	0.70	<1	<2	14	<1	0.23
RMD-260	GRAB	11111 Horseshoe Way	7-Oct-15	0.61	<1	<2	14	<1	0.16
RMD-259	GRAB	10020 Amethyst Ave.	7-Oct-15	0.63	<1	<2	14	<1	0.15
RMD-266	GRAB	9380 General Currie Rd.	7-Oct-15	0.76	<1	<2	14	<1	0.20
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	7-Oct-15	0.76	<1	<2	14	<1	0.28
RMD-258	GRAB	7000 Blk. Dyke Rd.	7-Oct-15	0.80	<1	6	14	<1	0.19
RMD-257	GRAB	6640 Blundell Rd.	7-Oct-15	0.69	<1	<2	14	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	9-Oct-15	1.0	<1	<2	15	<1	0.24
RMD-206	GRAB	4251 Moncton St.	9-Oct-15	0.85	<1	<2	14	<1	0.19
RMD-216	GRAB	11080 No. 2 Rd.	9-Oct-15	0.83	<1	<2	14	<1	0.13
RMD-212	GRAB	Opp. 8600 Ryan Rd.	9-Oct-15	0.62	<1	<2	14	<1	0.12
RMD-208	GRAB	13200 No. 4 Rd.	9-Oct-15	0.88	<1	<2	14	<1	0.15
RMD-205	GRAB	13851 Steveston Hwy.	9-Oct-15	0.65	<1	2	14	<1	0.22
RMD-202	GRAB	1500 Valemont Way	9-Oct-15	0.81	<1	2	14	<1	0.34

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-214	GRAB	11720 Westminster Hwy.	9-Oct-15	1.0	<1	<2	14	<1	0.22
RMD-267	GRAB	17240 Fedoruk	9-Oct-15	0.61	<1	<2	15	<1	0.13
RMD-249	GRAB	23000 Blk. Dyke Rd.	9-Oct-15	0.75	<1	<2	15	<1	0.18
RMD-276	GRAB	22271 Cochrane Drive	9-Oct-15	0.75	<1	10	15	<1	0.19
RMD-275	GRAB	5180 Smith Cres.	9-Oct-15	0.55	<1	<2	15	<1	0.22
RMD-203	GRAB	23260 Westminster Hwy.	9-Oct-15	0.54	<1	<2	15	<1	0.19
RMD-251	GRAB	5951McCallan Rd.	13-Oct-15	0.39	<1	<2	14	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	13-Oct-15	0.48	<1	<2	16	<1	0.13
RMD-252	GRAB	9751 Pendleton Rd.	13-Oct-15	0.49	<1	2	14	<1	0.12
RMD-274	GRAB	10920 Springwood Court	13-Oct-15	0.65	<1	<2	14	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	13-Oct-15	0.64	<1	<2	14	<1	0.19
RMD-271	GRAB	3800 Cessna Drive	13-Oct-15	0.52	<1	<2	14	<1	0.16
RMD-272	GRAB	751 Catalina Cres.	13-Oct-15	0.52	<1	2	14	<1	0.10
RMD-255	GRAB	6000 Blk. Miller Rd.	13-Oct-15	0.47	<1	<2	13	<1	0.28
RMD-256	GRAB	1000 Blk. McDonald Rd.	13-Oct-15	0.37	<1	<2	14	<1	0.90
RMD-254	GRAB	5300 No. 3 Rd.	13-Oct-15	0.25	<1	<2	13	<1	0.16
RMD-270	GRAB	8200 Jones Rd.	13-Oct-15	0.64	<1	<2	14	<1	0.09
RMD-269	GRAB	14951 Triangle Rd.	13-Oct-15	0.38	<1	<2	14	<1	0.14
RMD-253	GRAB	11051 No 3 Rd.	13-Oct-15	0.61	<1	<2	14	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	14-Oct-15	0.81	<1	<2	13	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	14-Oct-15	0.73	<1	<2	13	<1	0.15
RMD-261	GRAB	9911 Sidaway Rd.	14-Oct-15	0.59	<1	<2	13	<1	0.12
RMD-260	GRAB	11111 Horseshoe Way	14-Oct-15	0.64	<1	<2	14	<1	0.10
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	14-Oct-15	0.67	<1	<2	14	<1	0.12
RMD-258	GRAB	7000 Blk. Dyke Rd.	14-Oct-15	0.72	<1	<2	13	<1	0.15
RMD-263	GRAB	12560 Cambie Rd.	14-Oct-15	0.74	<1	<2	13	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	14-Oct-15	0.60	<1	<2	13	<1	0.12
RMD-277	GRAB	Opp. 11280 Twigg Place	14-Oct-15	0.57	<1	<2	13	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	14-Oct-15	0.66	<1	<2	13	<1	0.10
RMD-278	GRAB	6651 Fraserwood Place	14-Oct-15	0.65	<1	<2	13	<1	0.11
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	14-Oct-15	0.80	<1	<2	14	<1	0.14
RMD-204	GRAB	3180 Granville Ave.	15-Oct-15	0.95	<1	<2	15	<1	0.16
RMD-206	GRAB	4251 Moncton St.	15-Oct-15	1.0	<1	<2	14	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	15-Oct-15	0.81	<1	<2	13	<1	0.15
RMD-212	GRAB	Opp. 8600 Ryan Rd.	15-Oct-15	1.1	<1	<2	14	<1	0.15
RMD-208	GRAB	13200 No. 4 Rd.	15-Oct-15	0.77	<1	<2	13	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	15-Oct-15	0.65	<1	<2	13	<1	0.13
RMD-202	GRAB	1500 Valemont Way	15-Oct-15	0.57	<1	<2	13	<1	0.14
RMD-214	GRAB	11720 Westminster Hwy.	15-Oct-15	1.1	<1	<2	14	<1	0.11
RMD-267	GRAB	17240 Fedoruk	15-Oct-15	1.0	<1	<2	14	<1	0.13

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-249	GRAB	23000 Blk. Dyke Rd.	15-Oct-15	0.57	<1	<2	14	<1	0.10
RMD-276	GRAB	22271 Cochrane Drive	15-Oct-15	0.65	<1	2	14	<1	0.13
RMD-275	GRAB	5180 Smith Cres.	15-Oct-15	0.88	<1	<2	15	<1	0.21
RMD-203	GRAB	23260 Westminster Hwy.	15-Oct-15	0.65	<1	<2	15	<1	0.16
RMD-251	GRAB	5951McCallan Rd.	19-Oct-15	0.72	<1	<2	13	<1	0.11
RMD-273	GRAB	Opp. 8331 Fairfax Place	19-Oct-15	0.95	<1	<2	16	<1	0.44
RMD-252	GRAB	9751 Pendleton Rd.	19-Oct-15	0.63	<1	<2	14	<1	0.13
RMD-274	GRAB	10920 Springwood Court	19-Oct-15	0.52	<1	<2	14	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	19-Oct-15	0.71	<1	<2	15	<1	0.14
RMD-271	GRAB	3800 Cessna Drive	19-Oct-15	0.93	<1	<2	14	<1	0.09
RMD-272	GRAB	751 Catalina Cres.	19-Oct-15	0.74	<1	<2	13	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	19-Oct-15	0.94	<1	<2	13	<1	0.24
RMD-256	GRAB	1000 Blk. McDonald Rd.	19-Oct-15	0.66	<1	<2	15	<1	1.0
RMD-254	GRAB	5300 No. 3 Rd.	19-Oct-15	0.84	<1	2	14	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	19-Oct-15	0.85	<1	<2	15	<1	0.09
RMD-269	GRAB	14951 Triangle Rd.	19-Oct-15	0.51	<1	<2	17	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	19-Oct-15	0.97	<1	<2	13	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	21-Oct-15	0.92	<1	<2	14	<1	0.15
RMD-264	GRAB	13100 Mitchell Rd.	21-Oct-15	0.95	<1	<2	13	<1	0.13
RMD-277	GRAB	Opp. 11280 Twigg Place	21-Oct-15	1.0	<1	<2	14	<1	0.24
RMD-262	GRAB	13799 Commerce Pkwy.	21-Oct-15	0.59	<1	<2	14	<1	0.11
RMD-278	GRAB	6651 Fraserwood Place	21-Oct-15	0.74	<1	<2	13	<1	0.16
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	21-Oct-15	0.68	<1	<2	13	<1	0.11
RMD-261	GRAB	9911 Sidaway Rd.	21-Oct-15	0.85	<1	<2	14	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	21-Oct-15	1.0	<1	<2	14	<1	0.12
RMD-259	GRAB	10020 Amethyst Ave.	21-Oct-15	0.87	<1	<2	14	<1	0.18
RMD-266	GRAB	9380 General Currie Rd.	21-Oct-15	0.88	<1	<2	13	<1	0.19
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	21-Oct-15	0.60	<1	<2	14	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	21-Oct-15	0.54	<1	<2	14	<1	0.11
RMD-257	GRAB	6640 Blundell Rd.	21-Oct-15	0.74	<1	<2	13	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	23-Oct-15	0.87	<1	<2	13	<1	0.24
RMD-206	GRAB	4251 Moncton St.	23-Oct-15	0.92	<1	<2	13	<1	0.17
RMD-216	GRAB	11080 No. 2 Rd.	23-Oct-15	0.92	<1	<2	14	<1	2.7
RMD-212	GRAB	Opp. 8600 Ryan Rd.	23-Oct-15	0.85	<1	<2	14	<1	0.13
RMD-208	GRAB	13200 No. 4 Rd.	23-Oct-15	1.1	<1	<2	13	<1	0.12
RMD-205	GRAB	13851 Steveston Hwy.	23-Oct-15	0.99	<1	<2	13	<1	0.09
RMD-202	GRAB	1500 Valemont Way	23-Oct-15	0.91	<1	<2	13	<1	0.11
RMD-214	GRAB	11720 Westminster Hwy.	23-Oct-15	0.91	<1	<2	13	<1	0.11
RMD-267	GRAB	17240 Fedoruk	23-Oct-15	0.90	<1	<2	14	<1	0.10
RMD-249	GRAB	23000 Blk. Dyke Rd.	23-Oct-15	0.83	<1	<2	14	<1	0.13

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-276	GRAB	22271 Cochrane Drive	23-Oct-15	1.0	<1	<2	13	<1	0.11
RMD-275	GRAB	5180 Smith Cres.	23-Oct-15	0.46	<1	<2	14	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	23-Oct-15	0.94	<1	<2	14	<1	0.11
RMD-251	GRAB	5951McCallan Rd.	26-Oct-15	0.76	<1	<2	13	<1	0.13
RMD-273	GRAB	Opp. 8331 Fairfax Place	26-Oct-15	0.61	<1	<2	15	<1	0.15
RMD-252	GRAB	9751 Pendleton Rd.	26-Oct-15	0.62	<1	2	13	<1	0.15
RMD-274	GRAB	10920 Springwood Court	26-Oct-15	0.58	<1	2	15	<1	0.22
RMD-250	GRAB	6071 Azure Rd.	26-Oct-15	0.59	<1	8	15	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	26-Oct-15	0.43	<1	<2	15	<1	0.16
RMD-272	GRAB	751 Catalina Cres.	26-Oct-15	0.70	<1	<2	13	<1	0.21
RMD-254	GRAB	5300 No. 3 Rd.	26-Oct-15	0.64	<1	2	14	<1	0.20
RMD-270	GRAB	8200 Jones Rd.	26-Oct-15	0.74	<1	<2	14	<1	0.11
RMD-269	GRAB	14951 Triangle Rd.	26-Oct-15	0.63	<1	<2	14	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	26-Oct-15	0.59	<1	4	14	<1	0.36
RMD-263	GRAB	12560 Cambie Rd.	28-Oct-15	0.67	<1	<2	13	<1	0.12
RMD-264	GRAB	13100 Mitchell Rd.	28-Oct-15	0.57	<1	<2	13	<1	0.19
RMD-277	GRAB	Opp. 11280 Twigg Place	28-Oct-15	0.52	<1	<2	14	<1	0.20
RMD-262	GRAB	13799 Commerce Pkwy.	28-Oct-15	0.55	<1	<2	12	<1	0.11
RMD-278	GRAB	6651 Fraserwood Place	28-Oct-15	0.59	<1	<2	13	<1	0.12
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	28-Oct-15	0.59	<1	<2	12	<1	0.12
RMD-261	GRAB	9911 Sidaway Rd.	28-Oct-15	0.57	<1	<2	13	<1	0.13
RMD-260	GRAB	11111 Horseshoe Way	28-Oct-15	0.76	<1	<2	12	<1	0.13
RMD-259	GRAB	10020 Amethyst Ave.	28-Oct-15	0.79	<1	<2	13	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	28-Oct-15	0.75	<1	<2	12	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	28-Oct-15	0.65	<1	<2	14	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	28-Oct-15	0.68	<1	4	14	<1	0.12
RMD-257	GRAB	6640 Blundell Rd.	28-Oct-15	0.72	<1	<2	13	<1	0.15
RMD-204	GRAB	3180 Granville Ave.	29-Oct-15	0.87	<1	<2	13	<1	1.2
RMD-206	GRAB	4251 Moncton St.	29-Oct-15	0.91	<1	<2	12	<1	0.17
RMD-216	GRAB	11080 No. 2 Rd.	29-Oct-15	0.87	<1	<2	13	<1	0.21
RMD-212	GRAB	Opp. 8600 Ryan Rd.	29-Oct-15	0.69	<1	<2	13	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	29-Oct-15	0.71	<1	<2	14	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	29-Oct-15	0.61	<1	2	13	<1	0.09
RMD-202	GRAB	1500 Valemont Way	29-Oct-15	0.64	<1	<2	14	<1	0.14
RMD-214	GRAB	11720 Westminster Hwy.	29-Oct-15	0.73	<1	<2	12	<1	0.12
RMD-267	GRAB	17240 Fedoruk	29-Oct-15	0.57	<1	<2	14	<1	0.11
RMD-249	GRAB	23000 Blk. Dyke Rd.	29-Oct-15	0.60	<1	<2	14	<1	0.11
RMD-276	GRAB	22271 Cochrane Drive	29-Oct-15	0.60	<1	<2	13	<1	0.10
RMD-275	GRAB	5180 Smith Cres.	29-Oct-15	0.45	<1	<2	13	<1	0.15
RMD-203	GRAB	23260 Westminster Hwy.	29-Oct-15	0.61	<1	<2	12	<1	0.11

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-251	GRAB	5951McCallan Rd.	2-Nov-15	0.89	<1	<2	12	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	2-Nov-15	0.63	<1	<2	14	<1	0.12
RMD-252	GRAB	9751 Pendleton Rd.	2-Nov-15	0.74	<1	<2	12	<1	2.0
RMD-274	GRAB	10920 Springwood Court	2-Nov-15	0.67	<1	<2	13	<1	0.10
RMD-250	GRAB	6071 Azure Rd.	2-Nov-15	0.68	<1	<2	13	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	2-Nov-15	0.67	<1	<2	12	<1	0.12
RMD-272	GRAB	751 Catalina Cres.	2-Nov-15	0.89	<1	<2	12	<1	0.12
RMD-255	GRAB	6000 Blk. Miller Rd.	2-Nov-15	0.88	<1	<2	12	<1	0.58
RMD-256	GRAB	1000 Blk. McDonald Rd.	2-Nov-15	0.16	<1	<2	13	<1	0.32
RMD-254	GRAB	5300 No. 3 Rd.	2-Nov-15	0.88	<1	<2	12	<1	0.13
RMD-270	GRAB	8200 Jones Rd.	2-Nov-15	0.56	<1	<2	12	<1	0.10
RMD-269	GRAB	14951 Triangle Rd.	2-Nov-15	0.69	<1	<2	12	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	2-Nov-15	0.82	<1	<2	11	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	4-Nov-15	0.92	<1	<2	12	<1	0.19
RMD-264	GRAB	13100 Mitchell Rd.	4-Nov-15	0.61	<1	<2	11	<1	0.16
RMD-277	GRAB	Opp. 11280 Twigg Place	4-Nov-15	0.76	<1	2	12	<1	0.25
RMD-262	GRAB	13799 Commerce Pkwy.	4-Nov-15	0.93	<1	8	12	<1	0.21
RMD-278	GRAB	6651 Fraserwood Place	4-Nov-15	1.3	<1	<2	13	<1	0.18
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	4-Nov-15	1.0	<1	<2	11	<1	0.14
RMD-261	GRAB	9911 Sidaway Rd.	4-Nov-15	1.6	<1	<2	12	<1	0.20
RMD-260	GRAB	11111 Horseshoe Way	4-Nov-15	0.62	<1	<2	12	<1	0.15
RMD-259	GRAB	10020 Amethyst Ave.	4-Nov-15	0.54	<1	<2	11	<1	0.14
RMD-266	GRAB	9380 General Currie Rd.	4-Nov-15	0.87	<1	<2	12	<1	0.15
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	4-Nov-15	0.90	<1	<2	11	<1	0.11
RMD-258	GRAB	7000 Blk. Dyke Rd.	4-Nov-15	0.77	<1	4	12	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	4-Nov-15	0.77	<1	aminatic	12	<1	0.15
RMD-204	GRAB	3180 Granville Ave.	6-Nov-15	0.48	<1	2	12	<1	0.78
RMD-206	GRAB	4251 Moncton St.	6-Nov-15	0.64	<1	<2	12	<1	0.24
RMD-216	GRAB	11080 No. 2 Rd.	6-Nov-15	0.76	<1	<2	12	<1	0.21
RMD-212	GRAB	Opp. 8600 Ryan Rd.	6-Nov-15	0.74	<1	<2	12	<1	0.29
RMD-208	GRAB	13200 No. 4 Rd.	6-Nov-15	0.80	<1	<2	12	<1	0.29
RMD-205	GRAB	13851 Steveston Hwy.	6-Nov-15	0.33	<1	<2	13	<1	0.21
RMD-202	GRAB	1500 Valemont Way	6-Nov-15	0.59	<1	<2	11	<1	0.44
RMD-214	GRAB	11720 Westminster Hwy.	6-Nov-15	0.80	<1	<2	12	<1	0.24
RMD-267	GRAB	17240 Fedoruk	6-Nov-15	0.77	<1	<2	12	<1	0.22
RMD-249	GRAB	23000 Blk. Dyke Rd.	6-Nov-15	0.57	<1	<2	12	<1	0.19
RMD-276	GRAB	22271 Cochrane Drive	6-Nov-15	0.60	<1	4	13	<1	0.19
RMD-275	GRAB	5180 Smith Cres.	6-Nov-15	0.85	<1	<2	14	<1	0.18
RMD-203	GRAB	23260 Westminster Hwy.	6-Nov-15	0.49	<1	<2	12	<1	0.20
RMD-251	GRAB	5951McCallan Rd.	9-Nov-15	0.80	<1	<2	11	<1	0.17

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-273	GRAB	Opp. 8331 Fairfax Place	9-Nov-15	0.65	<1	2	13	<1	2.1
RMD-252	GRAB	9751 Pendleton Rd.	9-Nov-15	0.58	<1	<2	12	<1	0.14
RMD-274	GRAB	10920 Springwood Court	9-Nov-15	0.40	<1	<2	13	<1	0.18
RMD-250	GRAB	6071 Azure Rd.	9-Nov-15	0.66	<1	<2	12	<1	0.16
RMD-271	GRAB	3800 Cessna Drive	9-Nov-15	0.67	<1	<2	12	<1	0.19
RMD-272	GRAB	751 Catalina Cres.	9-Nov-15	0.82	<1	<2	10	<1	0.17
RMD-255	GRAB	6000 Blk. Miller Rd.	9-Nov-15	0.70	<1	<2	11	<1	0.44
RMD-256	GRAB	1000 Blk. McDonald Rd.	9-Nov-15	0.18	<1	2	11	<1	0.43
RMD-254	GRAB	5300 No. 3 Rd.	9-Nov-15	0.77	<1	<2	11	<1	0.14
RMD-270	GRAB	8200 Jones Rd.	9-Nov-15	0.74	<1	<2	12	<1	0.18
RMD-269	GRAB	14951 Triangle Rd.	9-Nov-15	0.66	<1	<2	11	<1	0.18
RMD-253	GRAB	11051 No 3 Rd.	9-Nov-15	0.76	<1	<2	11	<1	0.17
RMD-263	GRAB	12560 Cambie Rd.	10-Nov-15	0.43	<1	<2	11	<1	0.16
RMD-264	GRAB	13100 Mitchell Rd.	10-Nov-15	0.67	<1	<2	11	<1	0.16
RMD-277	GRAB	Opp. 11280 Twigg Place	10-Nov-15	0.81	<1	<2	12	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	10-Nov-15	0.58	<1	<2	11	<1	0.14
RMD-278	GRAB	6651 Fraserwood Place	10-Nov-15	0.53	<1	<2	12	<1	0.16
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	10-Nov-15	0.50	<1	<2	11	<1	0.14
RMD-261	GRAB	9911 Sidaway Rd.	10-Nov-15	0.47	<1	<2	11	<1	0.21
RMD-260	GRAB	11111 Horseshoe Way	10-Nov-15	0.54	<1	<2	12	<1	0.24
RMD-259	GRAB	10020 Amethyst Ave.	10-Nov-15	0.61	<1	<2	12	<1	0.12
RMD-266	GRAB	9380 General Currie Rd.	10-Nov-15	0.57	<1	<2	12	<1	0.16
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	10-Nov-15	0.60	<1	<2	12	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	10-Nov-15	0.73	<1	<2	12	<1	0.19
RMD-257	GRAB	6640 Blundell Rd.	10-Nov-15	0.67	<1	<2	11	<1	0.18
RMD-204	GRAB	3180 Granville Ave.	12-Nov-15	0.78	<1	2	11	<1	0.36
RMD-206	GRAB	4251 Moncton St.	12-Nov-15	0.85	<1	<2	11	<1	0.18
RMD-216	GRAB	11080 No. 2 Rd.	12-Nov-15	0.81	<1	<2	10	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	12-Nov-15	0.72	<1	<2	11	<1	0.13
RMD-208	GRAB	13200 No. 4 Rd.	12-Nov-15	0.70	<1	<2	10	<1	0.14
RMD-205	GRAB	13851 Steveston Hwy.	12-Nov-15	0.51	<1	<2	10	<1	0.23
RMD-202	GRAB	1500 Valemont Way	12-Nov-15	0.62	<1	<2	10	<1	0.13
RMD-214	GRAB	11720 Westminster Hwy.	12-Nov-15	0.66	<1	<2	10	<1	0.14
RMD-267	GRAB	17240 Fedoruk	12-Nov-15	0.58	<1	<2	10	<1	0.11
RMD-249	GRAB	23000 Blk. Dyke Rd.	12-Nov-15	0.18	<1	2	10	<1	0.14
RMD-276	GRAB	22271 Cochrane Drive	12-Nov-15	0.43	<1	<2	11	<1	0.14
RMD-275	GRAB	5180 Smith Cres.	12-Nov-15	0.53	<1	<2	12	<1	0.12
RMD-203	GRAB	23260 Westminster Hwy.	12-Nov-15	0.58	<1	<2	11	<1	0.14
RMD-251	GRAB	5951McCallan Rd.	16-Nov-15	0.60	<1	<2	8.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	16-Nov-15	0.87	<1	<2	11	<1	0.24

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-252	GRAB	9751 Pendleton Rd.	16-Nov-15	0.96	<1	<2	9.0	<1	0.14
RMD-274	GRAB	10920 Springwood Court	16-Nov-15	0.59	<1	<2	11	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	16-Nov-15	0.71	<1	<2	10	<1	0.12
RMD-271	GRAB	3800 Cessna Drive	16-Nov-15	0.68	<1	<2	10	<1	0.10
RMD-272	GRAB	751 Catalina Cres.	16-Nov-15	0.79	<1	<2	10	<1	0.13
RMD-255	GRAB	6000 Blk. Miller Rd.	16-Nov-15	0.82	<1	<2	9.0	<1	0.44
RMD-256	GRAB	1000 Blk. McDonald Rd.	16-Nov-15	0.23	<1	2	11	<1	0.86
RMD-254	GRAB	5300 No. 3 Rd.	16-Nov-15	0.67	<1	4	10	<1	0.22
RMD-270	GRAB	8200 Jones Rd.	16-Nov-15	0.70	<1	<2	10	<1	0.23
RMD-269	GRAB	14951 Triangle Rd.	16-Nov-15	0.66	<1	4	11	<1	0.13
RMD-253	GRAB	11051 No 3 Rd.	16-Nov-15	0.66	<1	<2	9.0	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	18-Nov-15	0.74	<1	<2	9.0	<1	0.22
RMD-264	GRAB	13100 Mitchell Rd.	18-Nov-15	0.64	<1	<2	10	<1	0.23
RMD-277	GRAB	Opp. 11280 Twigg Place	18-Nov-15	0.61	<1	<2	8.0	<1	0.23
RMD-262	GRAB	13799 Commerce Pkwy.	18-Nov-15	0.68	<1	<2	9.0	<1	0.15
RMD-278	GRAB	6651 Fraserwood Place	18-Nov-15	0.59	<1	<2	10	<1	0.15
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	18-Nov-15	0.62	<1	<2	9.0	<1	0.14
RMD-261	GRAB	9911 Sidaway Rd.	18-Nov-15	0.36	<1	<2	10	<1	0.17
RMD-260	GRAB	11111 Horseshoe Way	18-Nov-15	0.54	<1	<2	9.0	<1	0.19
RMD-259	GRAB	10020 Amethyst Ave.	18-Nov-15	0.61	<1	<2	10	<1	0.15
RMD-266	GRAB	9380 General Currie Rd.	18-Nov-15	0.82	<1	4	11	<1	0.16
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	18-Nov-15	0.74	<1	<2	9.0	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	18-Nov-15	0.79	<1	2	10	<1	0.14
RMD-257	GRAB	6640 Blundell Rd.	18-Nov-15	0.79	<1	2	9.0	<1	0.16
RMD-204	GRAB	3180 Granville Ave.	20-Nov-15	0.77	<1	<2	9.0	<1	0.28
RMD-206	GRAB	4251 Moncton St.	20-Nov-15	0.74	<1	<2	10	<1	0.13
RMD-216	GRAB	11080 No. 2 Rd.	20-Nov-15	0.76	<1	2	9.0	<1	0.13
RMD-212	GRAB	Opp. 8600 Ryan Rd.	20-Nov-15	0.78	<1	<2	8.0	<1	0.18
RMD-208	GRAB	13200 No. 4 Rd.	20-Nov-15	0.84	<1	2	9.0	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	20-Nov-15	0.53	<1	<2	9.0	<1	0.20
RMD-202	GRAB	1500 Valemont Way	20-Nov-15	0.68	<1	2	9.0	<1	0.09
RMD-214	GRAB	11720 Westminster Hwy.	20-Nov-15	0.76	<1	<2	9.0	<1	0.13
RMD-267	GRAB	17240 Fedoruk	20-Nov-15	0.66	<1	<2	9.0	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	20-Nov-15	0.61	<1	2	9.0	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	20-Nov-15	0.56	<1	2	9.0	<1	0.16
RMD-275	GRAB	5180 Smith Cres.	20-Nov-15	0.52	<1	<2	9.0	<1	0.14
RMD-203	GRAB	23260 Westminster Hwy.	20-Nov-15	0.59	<1	<2	9.0	<1	0.15
RMD-251	GRAB	5951McCallan Rd.	23-Nov-15	0.56	<1	<2	9.0	<1	0.14
RMD-273	GRAB	Opp. 8331 Fairfax Place	23-Nov-15	0.66	<1	<2	10	<1	0.16
RMD-252	GRAB	9751 Pendleton Rd.	23-Nov-15	0.63	<1	<2	11	<1	0.15

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-274	GRAB	10920 Springwood Court	23-Nov-15	0.66	<1	<2	11	<1	0.15
RMD-250	GRAB	6071 Azure Rd.	23-Nov-15	0.78	<1	<2	9.0	<1	0.15
RMD-271	GRAB	3800 Cessna Drive	23-Nov-15	0.69	<1	<2	10	<1	0.17
RMD-272	GRAB	751 Catalina Cres.	23-Nov-15	0.79	<1	<2	8.0	<1	0.14
RMD-255	GRAB	6000 Blk. Miller Rd.	23-Nov-15	1.2	<1	<2	8.0	<1	0.35
RMD-256	GRAB	1000 Blk. McDonald Rd.	23-Nov-15	0.35	<1	<2	10	<1	0.49
RMD-254	GRAB	5300 No. 3 Rd.	23-Nov-15	0.84	<1	<2	9.0	<1	0.12
RMD-270	GRAB	8200 Jones Rd.	23-Nov-15	0.71	<1	<2	9.0	<1	0.15
RMD-269	GRAB	14951 Triangle Rd.	23-Nov-15	0.52	<1	<2	9.0	<1	0.15
RMD-253	GRAB	11051 No 3 Rd.	23-Nov-15	0.62	<1	<2	10	<1	0.11
RMD-263	GRAB	12560 Cambie Rd.	25-Nov-15	0.78	<1	<2	8.0	<1	0.19
RMD-206	GRAB	4251 Moncton St.	25-Nov-15	0.68	<1	<2	5.0	<1	0.13
RMD-264	GRAB	13100 Mitchell Rd.	25-Nov-15	0.75	<1	<2	8.0	<1	0.15
RMD-216	GRAB	11080 No. 2 Rd.	25-Nov-15	0.74	<1	<2	5.0	<1	0.15
RMD-277	GRAB	Opp. 11280 Twigg Place	25-Nov-15	0.65	<1	<2	9.0	<1	0.17
RMD-212	GRAB	Opp. 8600 Ryan Rd.	25-Nov-15	0.70	<1	<2	5.0	<1	0.17
RMD-262	GRAB	13799 Commerce Pkwy.	25-Nov-15	0.59	<1	<2	8.0	<1	0.10
RMD-208	GRAB	13200 No. 4 Rd.	25-Nov-15	0.68	<1	<2	6.0	<1	0.13
RMD-278	GRAB	6651 Fraserwood Place	25-Nov-15	0.62	<1	<2	9.0	<1	0.11
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	25-Nov-15	0.63	<1	4	8.0	<1	0.10
RMD-205	GRAB	13851 Steveston Hwy.	25-Nov-15	0.54	<1	<2	5.0	<1	0.15
RMD-261	GRAB	9911 Sidaway Rd.	25-Nov-15	0.60	<1	<2	8.0	<1	0.15
RMD-202	GRAB	1500 Valemont Way	25-Nov-15	0.57	<1	<2	6.0	<1	0.13
RMD-260	GRAB	11111 Horseshoe Way	25-Nov-15	0.92	<1	<2	8.0	<1	0.10
RMD-214	GRAB	11720 Westminster Hwy.	25-Nov-15	0.70	<1	<2	6.0	<1	0.18
RMD-259	GRAB	10020 Amethyst Ave.	25-Nov-15	0.44	<1	2	9.0	<1	0.14
RMD-267	GRAB	17240 Fedoruk	25-Nov-15	0.46	<1	4	7.0	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	25-Nov-15	0.87	<1	<2	8.0	<1	0.15
RMD-249	GRAB	23000 Blk. Dyke Rd.	25-Nov-15	0.54	<1	2	8.0	<1	0.20
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	25-Nov-15	0.71	<1	<2	8.0	<1	0.18
RMD-276	GRAB	22271 Cochrane Drive	25-Nov-15	0.59	<1	<2	8.0	<1	0.18
RMD-258	GRAB	7000 Blk. Dyke Rd.	25-Nov-15	0.78	<1	<2	8.0	<1	0.13
RMD-275	GRAB	5180 Smith Cres.	25-Nov-15	0.50	<1	<2	8.0	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	25-Nov-15	0.87	<1	<2	8.0	<1	0.13
RMD-203	GRAB	23260 Westminster Hwy.	25-Nov-15	0.53	<1	<2	7.0	<1	0.16
RMD-251	GRAB	5951McCallan Rd.	30-Nov-15	0.86	<1	<2	8.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	30-Nov-15	0.69	<1	<2	10	<1	0.15
RMD-252	GRAB	9751 Pendleton Rd.	30-Nov-15	0.72	<1	<2	9.0	<1	0.11
RMD-274	GRAB	10920 Springwood Court	30-Nov-15	0.75	<1	<2	10	<1	0.12
RMD-250	GRAB	6071 Azure Rd.	30-Nov-15	0.81	<1	<2	9.0	<1	0.14

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-271	GRAB	3800 Cessna Drive	30-Nov-15	0.65	<1	<2	9.0	<1	0.08
RMD-272	GRAB	751 Catalina Cres.	30-Nov-15	0.78	<1	<2	9.0	<1	0.13
RMD-255	GRAB	6000 Blk. Miller Rd.	30-Nov-15	0.82	<1	<2	7.0	<1	0.21
RMD-256	GRAB	1000 Blk. McDonald Rd.	30-Nov-15	0.43	<1	<2	9.0	<1	0.27
RMD-254	GRAB	5300 No. 3 Rd.	30-Nov-15	0.77	<1	<2	8.0	<1	0.10
RMD-270	GRAB	8200 Jones Rd.	30-Nov-15	0.71	<1	2	8.0	<1	0.10
RMD-269	GRAB	14951 Triangle Rd.	30-Nov-15	0.66	<1	<2	8.0	<1	0.08
RMD-253	GRAB	11051 No 3 Rd.	30-Nov-15	0.70	<1	2	8.0	<1	0.09
RMD-263	GRAB	12560 Cambie Rd.	2-Dec-15	0.76	<1	<2	8.0	<1	0.11
RMD-264	GRAB	13100 Mitchell Rd.	2-Dec-15	0.65	<1	<2	8.0	<1	0.15
RMD-277	GRAB	Opp. 11280 Twigg Place	2-Dec-15	0.84	<1	<2	8.0	<1	0.13
RMD-262	GRAB	13799 Commerce Pkwy.	2-Dec-15	0.64	<1	<2	8.0	<1	0.12
RMD-278	GRAB	6651 Fraserwood Place	2-Dec-15	0.64	<1	<2	8.0	<1	0.10
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	2-Dec-15	0.69	<1	<2	8.0	<1	0.08
RMD-261	GRAB	9911 Sidaway Rd.	2-Dec-15	0.66	<1	<2	8.0	<1	0.09
RMD-260	GRAB	11111 Horseshoe Way	2-Dec-15	0.56	<1	<2	8.0	<1	0.11
RMD-259	GRAB	10020 Amethyst Ave.	2-Dec-15	0.79	<1	<2	8.0	<1	0.09
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	2-Dec-15	0.80	<1	2	8.0	<1	0.15
RMD-258	GRAB	7000 Blk. Dyke Rd.	2-Dec-15	0.81	<1	<2	8.0	<1	0.09
RMD-257	GRAB	6640 Blundell Rd.	2-Dec-15	0.84	<1	<2	8.0	<1	0.10
RMD-204	GRAB	3180 Granville Ave.	4-Dec-15	1.1	<1	4	9.0	<1	0.80
RMD-206	GRAB	4251 Moncton St.	4-Dec-15	0.88	<1	<2	8.0	<1	0.16
RMD-216	GRAB	11080 No. 2 Rd.	4-Dec-15	0.73	<1	<2	8.0	<1	0.14
RMD-212	GRAB	Opp. 8600 Ryan Rd.	4-Dec-15	0.86	<1	4	8.0	<1	0.14
RMD-208	GRAB	13200 No. 4 Rd.	4-Dec-15	0.83	<1	<2	9.0	<1	0.13
RMD-205	GRAB	13851 Steveston Hwy.	4-Dec-15	0.62	<1	<2	8.0	<1	0.15
RMD-202	GRAB	1500 Valemont Way	4-Dec-15	0.63	<1	<2	7.0	<1	0.10
RMD-214	GRAB	11720 Westminster Hwy.	4-Dec-15	0.77	<1	2	8.0	<1	0.16
RMD-267	GRAB	17240 Fedoruk	4-Dec-15	0.61	<1	<2	9.0	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	4-Dec-15	0.62	<1	<2	8.0	<1	0.16
RMD-276	GRAB	22271 Cochrane Drive	4-Dec-15	0.53	<1	<2	8.0	<1	0.13
RMD-275	GRAB	5180 Smith Cres.	4-Dec-15	0.58	<1	<2	8.0	<1	0.11
RMD-203	GRAB	23260 Westminster Hwy.	4-Dec-15	0.55	<1	<2	8.0	<1	0.14
RMD-251	GRAB	5951McCallan Rd.	7-Dec-15	1.0	<1	<2	7.0	<1	0.11
RMD-273	GRAB	Opp. 8331 Fairfax Place	7-Dec-15	0.65	<1	<2	10	<1	0.47
RMD-252	GRAB	9751 Pendleton Rd.	7-Dec-15	0.67	<1	<2	10	<1	0.20
RMD-274	GRAB	10920 Springwood Court	7-Dec-15	0.79	<1	<2	9.0	<1	0.11
RMD-250	GRAB	6071 Azure Rd.	7-Dec-15	0.90	<1	<2	9.0	<1	0.10
RMD-271	GRAB	3800 Cessna Drive	7-Dec-15	0.86	<1	<2	8.0	<1	0.09
RMD-272	GRAB	751 Catalina Cres.	7-Dec-15	0.79	<1	<2	8.0	<1	0.10

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-255	GRAB	6000 Blk. Miller Rd.	7-Dec-15	0.84	<1	<2	7.0	<1	0.11
RMD-256	GRAB	1000 Blk. McDonald Rd.	7-Dec-15	0.31	<1	<2	9.0	<1	0.48
RMD-254	GRAB	5300 No. 3 Rd.	7-Dec-15	0.84	<1	<2	9.0	<1	0.11
RMD-270	GRAB	8200 Jones Rd.	7-Dec-15	0.96	<1	<2	9.0	<1	0.31
RMD-269	GRAB	14951 Triangle Rd.	7-Dec-15	0.63	<1	<2	8.0	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	7-Dec-15	0.85	<1	<2	8.0	<1	0.11
RMD-202	GRAB	1500 Valemont Way	9-Dec-15	0.40	<1	<2	7.0	<1	0.12
RMD-263	GRAB	12560 Cambie Rd.	9-Dec-15	0.84	<1	<2	8.0	<1	0.13
RMD-203	GRAB	23260 Westminster Hwy.	9-Dec-15	0.49	<1	<2	7.0	<1	0.13
RMD-264	GRAB	13100 Mitchell Rd.	9-Dec-15	0.80	<1	<2	8.0	<1	0.16
RMD-275	GRAB	5180 Smith Cres.	9-Dec-15	0.32	<1	<2	7.0	<1	0.12
RMD-277	GRAB	Opp. 11280 Twigg Place	9-Dec-15	0.87	<1	<2	8.0	<1	0.16
RMD-262	GRAB	13799 Commerce Pkwy.	9-Dec-15	0.64	<1	<2	8.0	<1	0.13
RMD-276	GRAB	22271 Cochrane Drive	9-Dec-15	0.45	<1	<2	8.0	<1	0.12
RMD-249	GRAB	23000 Blk. Dyke Rd.	9-Dec-15	0.57	<1	<2	7.0	<1	0.12
RMD-278	GRAB	6651 Fraserwood Place	9-Dec-15	0.57	<1	<2	8.0	<1	0.12
RMD-267	GRAB	17240 Fedoruk	9-Dec-15	0.67	<1	<2	8.0	<1	0.11
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	9-Dec-15	0.70	<1	<2	8.0	<1	0.12
RMD-214	GRAB	11720 Westminster Hwy.	9-Dec-15	0.75	<1	<2	7.0	<1	0.16
RMD-261	GRAB	9911 Sidaway Rd.	9-Dec-15	0.53	<1	<2	8.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	9-Dec-15	0.86	<1	<2	8.0	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	9-Dec-15	0.86	<1	<2	7.0	<1	0.10
RMD-259	GRAB	10020 Amethyst Ave.	9-Dec-15	0.79	<1	<2	8.0	<1	0.11
RMD-208	GRAB	13200 No. 4 Rd.	9-Dec-15	0.89	<1	<2	8.0	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	9-Dec-15	0.87	<1	<2	7.0	<1	0.11
RMD-212	GRAB	Opp. 8600 Ryan Rd.	9-Dec-15	0.61	<1	<2	7.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	9-Dec-15	0.86	<1	<2	8.0	<1	0.14
RMD-216	GRAB	11080 No. 2 Rd.	9-Dec-15	0.86	<1	<2	7.0	<1	0.12
RMD-258	GRAB	7000 Blk. Dyke Rd.	9-Dec-15	0.85	<1	<2	8.0	<1	0.11
RMD-206	GRAB	4251 Moncton St.	9-Dec-15	0.83	<1	<2	7.0	<1	0.13
RMD-257	GRAB	6640 Blundell Rd.	9-Dec-15	0.70	<1	<2	8.0	<1	0.10
RMD-204	GRAB	3180 Granville Ave.	9-Dec-15	0.83	<1	2	7.0	<1	0.39
RMD-251	GRAB	5951McCallan Rd.	14-Dec-15	0.83	<1	<2	8.0	<1	0.12
RMD-273	GRAB	Opp. 8331 Fairfax Place	14-Dec-15	0.74	<1	2	9.0	<1	0.14
RMD-252	GRAB	9751 Pendleton Rd.	14-Dec-15	0.84	<1	<2	9.0	<1	0.16
RMD-274	GRAB	10920 Springwood Court	14-Dec-15	0.69	<1	<2	9.0	<1	0.13
RMD-250	GRAB	6071 Azure Rd.	14-Dec-15	0.83	<1	<2	9.0	<1	0.12
RMD-271	GRAB	3800 Cessna Drive	14-Dec-15	0.85	<1	<2	8.0	<1	0.19
RMD-272	GRAB	751 Catalina Cres.	14-Dec-15	0.92	<1	<2	6.0	<1	0.11
RMD-255	GRAB	6000 Blk. Miller Rd.	14-Dec-15	0.99	<1	<2	7.0	<1	0.20

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-256	GRAB	1000 Blk. McDonald Rd.	14-Dec-15	0.56	<1	2	8.0	<1	0.85
RMD-254	GRAB	5300 No. 3 Rd.	14-Dec-15	0.79	<1	<2	8.0	<1	0.15
RMD-270	GRAB	8200 Jones Rd.	14-Dec-15	0.74	<1	2	8.0	<1	0.18
RMD-269	GRAB	14951 Triangle Rd.	14-Dec-15	0.67	<1	<2	8.0	<1	0.11
RMD-253	GRAB	11051 No 3 Rd.	14-Dec-15	0.87	<1	<2	8.0	<1	0.11
RMD-257	GRAB	6640 Blundell Rd.	16-Dec-15	0.94	<1	<2	6.0	<1	0.09
RMD-258	GRAB	7000 Blk. Dyke Rd.	16-Dec-15	0.86	<1	<2	6.0	<1	0.09
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	16-Dec-15	0.89	<1	32	5.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	16-Dec-15	0.76	<1	<2	7.0	<1	0.09
RMD-259	GRAB	10020 Amethyst Ave.	16-Dec-15	0.83	<1	<2	7.0	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	16-Dec-15	0.91	<1	<2	6.0	<1	0.10
RMD-261	GRAB	9911 Sidaway Rd.	16-Dec-15	0.68	<1	2	7.0	<1	0.13
RMD-263	GRAB	12560 Cambie Rd.	16-Dec-15	0.79	<1	<2	7.0	<1	0.09
RMD-264	GRAB	13100 Mitchell Rd.	16-Dec-15	0.89	<1	<2	6.0	<1	0.16
RMD-277	GRAB	Opp. 11280 Twigg Place	16-Dec-15	0.84	<1	<2	6.0	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	16-Dec-15	0.69	<1	<2	7.0	<1	0.11
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	16-Dec-15	0.75	<1	aminatic	6.0	<1	0.09
RMD-278	GRAB	6651 Fraserwood Place	16-Dec-15	0.71	<1	<2	7.0	<1	0.10
RMD-204	GRAB	3180 Granville Ave.	18-Dec-15	1.0	<1	<2	8.0	<1	0.11
RMD-206	GRAB	4251 Moncton St.	18-Dec-15	0.64	<1	2	8.0	<1	0.12
RMD-216	GRAB	11080 No. 2 Rd.	18-Dec-15	0.73	<1	<2	7.0	<1	0.11
RMD-212	GRAB	Opp. 8600 Ryan Rd.	18-Dec-15	0.62	<1	<2	8.0	<1	0.10
RMD-208	GRAB	13200 No. 4 Rd.	18-Dec-15	0.81	<1	<2	8.0	<1	0.11
RMD-205	GRAB	13851 Steveston Hwy.	18-Dec-15	0.55	<1	2	9.0	<1	0.11
RMD-202	GRAB	1500 Valemont Way	18-Dec-15	0.65	<1	<2	9.0	<1	0.11
RMD-214	GRAB	11720 Westminster Hwy.	18-Dec-15	0.59	<1	<2	8.0	<1	0.08
RMD-267	GRAB	17240 Fedoruk	18-Dec-15	0.62	<1	2	8.0	<1	0.09
RMD-249	GRAB	23000 Blk. Dyke Rd.	18-Dec-15	0.65	<1	<2	8.0	<1	0.09
RMD-276	GRAB	22271 Cochrane Drive	18-Dec-15	0.58	<1	<2	7.0	<1	0.10
RMD-275	GRAB	5180 Smith Cres.	18-Dec-15	0.64	<1	<2	9.0	<1	0.10
RMD-203	GRAB	23260 Westminster Hwy.	18-Dec-15	0.66	<1	<2	8.0	<1	0.33
RMD-251	GRAB	5951McCallan Rd.	21-Dec-15	0.65	<1	NA	6.0	<1	0.10
RMD-273	GRAB	Opp. 8331 Fairfax Place	21-Dec-15	0.82	<1	NA	9.0	<1	0.56
RMD-252	GRAB	9751 Pendleton Rd.	21-Dec-15	0.77	<1	NA	7.0	<1	0.16
RMD-274	GRAB	10920 Springwood Court	21-Dec-15	0.79	<1	NA	8.0	<1	0.17
RMD-250	GRAB	6071 Azure Rd.	21-Dec-15	0.97	<1	NA	7.0	<1	0.17
RMD-271	GRAB	3800 Cessna Drive	21-Dec-15	0.91	<1	NA	8.0	<1	0.17
RMD-272	GRAB	751 Catalina Cres.	21-Dec-15	0.85	<1	NA	6.0	<1	0.19
RMD-255	GRAB	6000 Blk. Miller Rd.	21-Dec-15	0.96	<1	NA	6.0	<1	0.35
RMD-256	GRAB	1000 Blk. McDonald Rd.	21-Dec-15	0.48	<1	NA	7.0	<1	0.49

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-254	GRAB	5300 No. 3 Rd.	21-Dec-15	0.94	<1	NA	7.0	<1	0.20
RMD-270	GRAB	8200 Jones Rd.	21-Dec-15	0.74	<1	NA	7.0	<1	0.20
RMD-269	GRAB	14951 Triangle Rd.	21-Dec-15	0.71	<1	NA	6.0	<1	0.12
RMD-253	GRAB	11051 No 3 Rd.	21-Dec-15	0.81	<1	NA	8.0	<1	0.22
RMD-263	GRAB	12560 Cambie Rd.	22-Dec-15	0.87	<1	NA	6.0	<1	0.15
RMD-204	GRAB	3180 Granville Ave.	22-Dec-15	0.75	<1	NA	8.0	<1	0.19
RMD-264	GRAB	13100 Mitchell Rd.	22-Dec-15	0.85	<1	NA	6.0	<1	0.15
RMD-206	GRAB	4251 Moncton St.	22-Dec-15	0.73	<1	NA	8.0	<1	0.14
RMD-277	GRAB	Opp. 11280 Twigg Place	22-Dec-15	0.76	<1	NA	6.0	<1	0.16
RMD-216	GRAB	11080 No. 2 Rd.	22-Dec-15	0.67	<1	NA	8.0	<1	0.12
RMD-262	GRAB	13799 Commerce Pkwy.	22-Dec-15	0.74	<1	NA	7.0	<1	0.12
RMD-212	GRAB	Opp. 8600 Ryan Rd.	22-Dec-15	0.50	<1	NA	8.0	<1	0.16
RMD-208	GRAB	13200 No. 4 Rd.	22-Dec-15	0.64	<1	NA	7.0	<1	0.14
RMD-278	GRAB	6651 Fraserwood Place	22-Dec-15	0.74	<1	NA	7.0	<1	0.35
RMD-205	GRAB	13851 Steveston Hwy.	22-Dec-15	0.55	<1	NA	7.0	<1	0.15
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	22-Dec-15	0.77	<1	NA	5.0	<1	0.14
RMD-202	GRAB	1500 Valemont Way	22-Dec-15	0.65	<1	NA	7.0	<1	0.10
RMD-261	GRAB	9911 Sidaway Rd.	22-Dec-15	0.72	<1	NA	7.0	<1	0.10
RMD-214	GRAB	11720 Westminster Hwy.	22-Dec-15	0.65	<1	NA	7.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	22-Dec-15	0.92	<1	NA	6.0	<1	0.12
RMD-259	GRAB	10020 Amethyst Ave.	22-Dec-15	0.84	<1	NA	7.0	<1	0.11
RMD-267	GRAB	17240 Fedoruk	22-Dec-15	0.55	<1	NA	7.0	<1	0.13
RMD-266	GRAB	9380 General Currie Rd.	22-Dec-15	1.0	<1	NA	6.0	<1	0.13
RMD-249	GRAB	23000 Blk. Dyke Rd.	22-Dec-15	0.59	<1	NA	8.0	<1	0.13
RMD-276	GRAB	22271 Cochrane Drive	22-Dec-15	0.59	<1	NA	8.0	<1	0.12
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	22-Dec-15	0.89	<1	NA	7.0	<1	0.14
RMD-275	GRAB	5180 Smith Cres.	22-Dec-15	0.54	<1	NA	8.0	<1	0.14
RMD-258	GRAB	7000 Blk. Dyke Rd.	22-Dec-15	0.83	<1	NA	7.0	<1	0.14
RMD-203	GRAB	23260 Westminster Hwy.	22-Dec-15	0.51	<1	NA	8.0	<1	0.15
RMD-257	GRAB	6640 Blundell Rd.	22-Dec-15	0.89	<1	NA	6.0	<1	0.12
RMD-251	GRAB	5951McCallan Rd.	29-Dec-15	1.0	<1	NA	7.0	<1	0.14
RMD-273	GRAB	Opp. 8331 Fairfax Place	29-Dec-15	0.84	<1	NA	8.0	<1	0.68
RMD-252	GRAB	9751 Pendleton Rd.	29-Dec-15	0.92	<1	NA	7.0	<1	0.15
RMD-274	GRAB	10920 Springwood Court	29-Dec-15	0.88	<1	NA	8.0	<1	0.66
RMD-250	GRAB	6071 Azure Rd.	29-Dec-15	0.98	<1	NA	6.0	<1	0.13
RMD-271	GRAB	3800 Cessna Drive	29-Dec-15	0.97	<1	NA	7.0	<1	0.11
RMD-272	GRAB	751 Catalina Cres.	29-Dec-15	1.0	<1	NA	8.0	<1	0.27
RMD-255	GRAB	6000 Blk. Miller Rd.	29-Dec-15	1.1	<1	NA	7.0	<1	0.26
RMD-256	GRAB	1000 Blk. McDonald Rd.	29-Dec-15	0.22	<1	NA	8.0	<1	0.79
RMD-254	GRAB	5300 No. 3 Rd.	29-Dec-15	0.89	<1	NA	7.0	<1	0.13

Sampling Point	Sample Type	Sample Reported Name	Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
RMD-270	GRAB	8200 Jones Rd.	29-Dec-15	0.82	<1	NA	7.0	<1	0.12
RMD-269	GRAB	14951 Triangle Rd.	29-Dec-15	0.69	<1	NA	7.0	<1	0.10
RMD-253	GRAB	11051 No 3 Rd.	29-Dec-15	0.87	<1	NA	6.0	<1	0.13
RMD-202	GRAB	1500 Valemont Way	30-Dec-15	0.56	<1	NA	5.0	<1	0.09
RMD-263	GRAB	12560 Cambie Rd.	30-Dec-15	0.85	<1	NA	6.0	<1	0.08
RMD-275	GRAB	5180 Smith Cres.	30-Dec-15	0.62	<1	NA	6.0	<1	0.09
RMD-264	GRAB	13100 Mitchell Rd.	30-Dec-15	0.82	<1	NA	7.0	<1	0.11
RMD-277	GRAB	Opp. 11280 Twigg Place	30-Dec-15	0.79	<1	NA	7.0	<1	0.12
RMD-203	GRAB	23260 Westminster Hwy.	30-Dec-15	0.64	<1	NA	6.0	<1	0.10
RMD-262	GRAB	13799 Commerce Pkwy.	30-Dec-15	0.60	<1	NA	6.0	<1	0.08
RMD-276	GRAB	22271 Cochrane Drive	30-Dec-15	0.49	<1	NA	8.0	<1	0.08
RMD-278	GRAB	6651 Fraserwood Place	30-Dec-15	0.61	<1	NA	7.0	<1	0.09
RMD-249	GRAB	23000 Blk. Dyke Rd.	30-Dec-15	0.64	<1	NA	8.0	<1	0.10
RMD-279	GRAB	Opp. 20371 Westminster Hwy.	30-Dec-15	0.58	<1	NA	5.0	<1	0.12
RMD-267	GRAB	17240 Fedoruk	30-Dec-15	0.59	<1	NA	6.0	<1	0.08
RMD-261	GRAB	9911 Sidaway Rd.	30-Dec-15	0.66	<1	NA	6.0	<1	0.11
RMD-214	GRAB	11720 Westminster Hwy.	30-Dec-15	0.72	<1	NA	7.0	<1	0.11
RMD-260	GRAB	11111 Horseshoe Way	30-Dec-15	0.55	<1	NA	6.0	<1	0.16
RMD-205	GRAB	13851 Steveston Hwy.	30-Dec-15	0.49	<1	NA	7.0	<1	0.09
RMD-259	GRAB	10020 Amethyst Ave.	30-Dec-15	0.59	<1	NA	7.0	<1	0.17
RMD-208	GRAB	13200 No. 4 Rd.	30-Dec-15	0.91	<1	NA	7.0	<1	0.10
RMD-266	GRAB	9380 General Currie Rd.	30-Dec-15	0.81	<1	NA	7.0	<1	0.17
RMD-212	GRAB	Opp. 8600 Ryan Rd.	30-Dec-15	0.82	<1	NA	7.0	<1	0.13
RMD-268	GRAB	13800 No. 3 Rd. (off Garden City)	30-Dec-15	0.72	<1	NA	7.0	<1	0.14
RMD-216	GRAB	11080 No. 2 Rd.	30-Dec-15	0.71	<1	NA	7.0	<1	0.08
RMD-258	GRAB	7000 Blk. Dyke Rd.	30-Dec-15	0.82	<1	NA	7.0	<1	0.09
RMD-206	GRAB	4251 Moncton St.	30-Dec-15	0.74	<1	NA	7.0	<1	0.09
RMD-257	GRAB	6640 Blundell Rd.	30-Dec-15	0.85	<1	NA	6.0	<1	0.08

APPENDIX 4: SCADA AND PRESSURE TESTING SITES

	STATION NAME	STATION TYPE	INSTALLATION
216	SHELL & STEVESTON PRV	WATER PRV	PERMANENT
217	NELSON & BLUNDELL PRV	WATER PRV	PERMANENT
218	SHELL & BLUNDELL PRV	WATER PRV	PERMANENT
219	SHELL & WILLIAMS PRV	WATER PRV	PERMANENT
220	SHELL & BIRD PRV	WATER PRV	PERMANENT
251	NELSON & WESTMINSTER PRV	WATER PRV	WIP
252	FERGUSON PRV	WATER PRV	PERMANENT
253	GRAUER PRV	WATER PRV	PERMANENT
254	OAKSTREET PRV	WATER PRV	PERMANENT
	NELSON NORTH PRV	WATER PRV	PERMANENT
	CAMBIE PRV	WATER PRV	NO SCADA
	OAK & RIVER	WATER PRV	NO SCADA
	SHELL &MONTEITH	WATER PRV	NO SCADA
	SHELL & WESTMINSTER	WATER PRV	NO SCADA
1	**PRESSURE SITES**		
5	QUEENSBOROUGH	DRAINAGE	PERMANENT
40	NO 6 ROAD SOUTH	DRAINAGE	PERMANENT
48	STEVESTON	SANI PUMPS	PERMANENT
80	BARNARD	SANI PUMPS	PERMANENT
106	LYNAS	SANI PUMPS	PERMANENT
167	BRIGHOUSE	SANI PUMPS	PERMANENT
206	EDGEMERE	SANI PUMPS	PERMANENT
42	GRAYBAR	SANI PUMPS	PERMANENT
110	RICHMOND PARK	SANI PUMPS	PERMANENT
174	LESLIE	SANI PUMPS	PERMANENT
189	SIMPSON	SANI PUMPS	PERMANENT
193	BURROWS	SANI PUMPS	PERMANENT
190	BURKEVILLE	SANI PUMPS	PERMANENT
119	TWIGG	SANI PUMPS	PERMANENT
180	RICHMOND CENTRE	SANI PUMPS	PERMANENT
89	WOODHEADEAST	SANI PUMPS	PERMANENT
122	MAPLE	SANI PUMPS	PERMANENT
	ROBINSON	SANI PUMPS	PERMANENT

APPENDIX 5: 2015 THM AND HAA TEST RESULTS

Sample	Date Sampled	THM (ppb)						HAA (ppb)						
		Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes	**Total THM Quarterly Average (Guileline Limit 100ppb/mL)**	Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid	**Total HAA Quarterly Average (Guileline Limit 80ppb/mL)**
RMD-250	2014-06-04 00:00	<1	<1	<1	58	58.6		<0.5	31	<1	8	37.3	76.9	
RMD-250	2014-09-03 00:00	<1	<1	<1	50	50.5		<0.5	29	<1	8	49.8	87.5	
RMD-250	2014-11-20 00:00	<1	<1	<1	29	29.5		<0.5	13	<1	4	14.9	32.8	
RMD-250	2015-02-18 00:00	<1	<1	<1	27	27.2	**41**	<0.5	8	<1	4	9.5	22.5	**55**
RMD-250	2015-05-20 00:00	<1	<1	<1	24	25.1	**33**	<0.5	8	<1	4	5.8	18.6	**40**
RMD-250	2015-08-19 00:00	<1	<1	<1	16	16.9	**25**	<0.5	12	<1	10	11.9	34.7	**27**
RMD-250	2015-11-25 00:00	<1	<1	<1	26	27.6	**24**	<0.5	10	<1	9	9.8	30.5	**27**
RMD-251	2014-06-04 00:00	<1	<1	<1	49	49.3		<0.5	28	<1	5	32.4	65.7	
RMD-251	2014-09-03 00:00	<1	<1	<1	46	46.4		0.5	31	<1	10	52.3	94.5	
RMD-251	2014-11-20 00:00	<1	<1	<1	26	26.9		<0.5	10	1	5	10.7	27.1	
RMD-251	2015-02-18 00:00	<1	<1	<1	26	26.9	**37**	<0.5	10	<1	4	12	27.7	**54**
RMD-251	2015-05-20 00:00	<1	<1	<1	22	22.9	**31**	<0.5	10	<1	4	10.3	25.3	**44**
RMD-251	2015-08-19 00:00	2	<1	<1	27	28.6	**26**	<0.5	14	<1	10	15	40.1	**30**
RMD-251	2015-11-25 00:00	<1	<1	<1	23	24.2	**26**	<0.5	9	<1	7	7.2	23.9	**29**
RMD-258	2014-06-04 00:00	<1	<1	<1	54	54.9		<0.5	28	<1	6	36.5	72	
RMD-258	2014-09-03 00:00	<1	<1	<1	49	49.5		0.5	31	<1	8	59.1	99.5	
RMD-258	2014-11-20 00:00	<1	<1	<1	30	30		<0.5	12	<1	4	14.8	31.6	
RMD-258	2015-02-18 00:00	<1	<1	<1	24	24.9	**40**	<0.5	7	<1	3	6.8	17.7	**55**
RMD-258	2015-05-20 00:00	<1	<1	<1	25	25.4	**32**	<0.5	10	<1	5	13.2	29.1	**44**
RMD-258	2015-08-19 00:00	2	<1	<1	29	30.5	**28**	<0.5	18	<1	8	16.7	43.6	**31**
RMD-258	2015-11-25 00:00	<1	<1	<1	25	26.6	**27**	<0.5	10	<1	9	9.1	29.7	**30**
RMD-259	2014-06-04 00:00	<1	<1	<1	58	58.9		<0.5	31	<1	7	36.4	74.2	
RMD-259	2014-09-03 00:00	<1	<1	<1	48	48.6		<0.5	27	<1	7	50.2	85.2	
RMD-259	2014-11-20 00:00	<1	<1	<1	29	29.8		<0.5	11	<1	4	15.2	31	
RMD-259	2015-02-18 00:00	<1	<1	<1	28	28.3	**41**	<0.5	15	<1	4	20.4	40.9	**58**
RMD-259	2015-05-20 00:00	<1	<1	<1	14	14.3	**30**	<0.5	10	<1	4	11.8	26.7	**46**
RMD-259	2015-08-19 00:00	1	<1	<1	34	35.1	**27**	<0.5	19	<1	9	20.2	48.9	**37**
RMD-259	2015-11-25 00:00	<1	<1	<1	25	26.3	**26**	<0.5	10	<1	7	10.7	29.7	**37**

Sample	Date Sampled	THM (ppb)					HAA (ppb)						Extras
		Bromodichloromethane	Bromoform	Chlorodibromomethane	Chloroform	**Total Trihalomethanes**	Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	**Total Haloacetic Acid**	pH units pH
RMD-250	2015-11-25 00:00	<1	<1	<1	26	27.6	<0.5	10	<1	9	9.8	30.5	
RMD-251	2015-11-25 00:00	<1	<1	<1	23	24.2	<0.5	9	<1	7	7.2	23.9	
RMD-258	2015-11-25 00:00	<1	<1	<1	25	26.6	<0.5	10	<1	9	9.1	29.7	
RMD-259	2015-11-25 00:00	<1	<1	<1	25	26.3	<0.5	10	<1	7	10.7	29.7	7.2

PWT - 119

APPENDIX 6: 2015 HEAVY METAL TESTING RESULTS

Metro Vancouver
Quality Control Division - Chemistry
1299 Derwent Way, Delta BC V3M 5V9
Phone: 604-523-7173 / 7174 Fax: 604-525-0932

		RMD-250	RMD-257	RMD-263
Metal	**Sample Description**	6071 Azure Rd.	6640 Blundell Rd.	12560 Cambie Rd.
	Sample Date	2015-10-21 15:10	2015-10-21 15:00	2015-10-21 12:30
	Sample Type	GRAB	GRAB	GRAB
Aluminum Total	**µg/L**	26	23	24
Antimony Total	**µg/L**	<0.5	<0.5	<0.5
Arsenic Total	**µg/L**	<0.5	<0.5	<0.5
Barium Total	**µg/L**	3.8	3.9	3.9
Boron Total	**µg/L**	<10	<10	<10
Cadmium Total	**µg/L**	<0.2	<0.2	<0.2
Calcium Total	**µg/L**	4380	4220	4240
Chromium Total	**µg/L**	0.25	0.21	0.19
Cobalt Total	**µg/L**	<0.5	<0.5	<0.5
Copper Total	**µg/L**	14.3	1.9	2.3
Iron Total	**µg/L**	6	<5	<5
Lead Total	**µg/L**	1.0	<0.5	<0.5
Magnesium Total	**µg/L**	176	204	201
Manganese Total	**µg/L**	3.8	6.1	5.9
Mercury Total	**µg/L**	<0.05	<0.05	<0.05
Molybdenum Total	**µg/L**	<0.5	<0.5	<0.5
Nickel Total	**µg/L**	<0.5	<0.5	<0.5
Potassium Total	**µg/L**	245	251	247
Selenium Total	**µg/L**	<0.5	<0.5	<0.5
Silver Total	**µg/L**	<0.5	<0.5	<0.5
Sodium Total	**µg/L**	2040	2160	2040
Zinc Total	**µg/L**	4.4	<3	<3

APPENDIX 7: SAMPLE DRINKING WATER QUALITY ADVISORY

CITY OF RICHMOND ANNUAL WATERMAIN FLUSHING NOTIFICATION

On Sunday, February 21, the Water Services section will begin the annual watermain flushing program. To minimize disruptions, this work will be conducted from Sunday to Friday, 9:00 p.m. to 6:30 a.m. for the duration of approximately nine weeks.

Flushing watermains is required to maintain water quality. Your water will not be turned off; however, during this time you may experience water pressure fluctuation or discolouration. This is not a health concern and should only last for a short time. It is recommended that you run the cold water until the discolouration clears.

If you have any questions, please contact 604-270-8721. For more information on Richmond's high-quality tap water and other water education programs, visit: www.richmond.ca/water.

APPENDIX 8: SPECIFIC EMERGENCY RESPONSE PLANS

Positive Response for Fecal or E. coli

If a water sample tests positive for fecal coliform, the following response plan will occur:

- The municipality's water quality personnel and the Medical Health Officer will be notified by the Metro Vancouver laboratory.
- Interim samples from the site will be examined. Interim samples are samples in the period between when the fecal positive sample was taken, and when it was determined to be fecal positive.
- Arrangements will be made for the immediate collection of a repeat sample including, where possible, samples from upstream and downstream of the fecal positive sample.
- 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 occurred.
- All water utility personnel will be contacted to determine if there was any loss of pressure, or other unusual events, that may have led to contaminants entering the system.
- The need for a boil-water advisory will be evaluated by the City and the Medical Health Officer. If a boil-water advisory is deemed necessary, the municipality will carry out various means to inform the public. Metro Vancouver will be informed of this public advisory.
- The City, in consultation with the Medical Health Officer, will determine the need and extent for a boil-water advisory.
- The Metro Vancouver laboratory will initiate procedures to identify species of the fecal positive organism with standard biochemical tests.
- The Medical Health Officer will be contacted with the repeat sample results and the results of the species identification on the fecal positive sample when these tests are complete.

In the event of possible E. coli or fecal coliform contamination, all steps to ensure public health and safety will be taken including banning water usage if necessary.

Chemical or Biological Contamination Response

In the event of chemical or biological contamination, in source waters or the City's distribution system, the following actions will be taken by both, the City of Richmond and Metro Vancouver:

- Immediately notify Vancouver Coastal Health.
- Identify the chemical and any public health risk factors associated with its presence in potable water.
- Isolate the contaminated zone area and determine the level of contamination.
- Issue a public advisory in consultation with the Medical Health Officer.

In the event of possible biological or chemical contamination, all steps to safety will be taken to ensure public health including banning water usage if necessary.

Turbidity Response

Turbidity (cloudy water) occurs during periods of heavy rain at and surrounding Metro Vancouver water sources. The City of Richmond, in conjunction with Vancouver Coastal Health, has developed a turbidity response plan, which considers the City's responsibility for due diligence without unreasonably constraining the water utility's ability to operate the system.

During turbidity events of >1 NTU the staff will:

- Begin a rigorous sampling program for microbiological activity and residual chlorine.
- Monitor the City's supervisory control and data acquisition (SCADA) system with updates sent to Vancouver Coastal Health on a predetermined schedule.
- Issue a public communication in consultation with the regional Health Authority.
- If necessary, issue a boil-water advisory to residents receiving turbid water.

Response to Interruption of Primary and/or Secondary Disinfection

Upon notification by Metro Vancouver Operations that an interruption in disinfection has occurred:

- Staff will monitor residual levels of chlorine at strategic locations in the Metro Vancouver supply area.
- The City's SCADA system will be monitored with updates sent to Vancouver Coastal Health on a predetermined schedule, as set by the health authority,
- In cases where chlorine residual is less than 0.2 ppm, City crews will flush the affected area until an acceptable level is achieved.
- These actions will continue until disinfection is resumed and adequate levels of residual chlorine have been reached in the distribution system.

Response to Loss of Pressure Due to High Demand

In the event of a pressure loss due to high demand:

- City staff will attempt to rectify the problem as soon as possible using various demands management techniques and by supplementing supply to problem areas.
- Metro Vancouver and the Medical Health Officer will be notified of any water quality issues.
- City staff will perform chlorine residual tests at various locations to determine if adequate disinfectant is present in the distribution.
- All water quality complaints from the public will be thoroughly investigated due to the potential for water contamination during low water pressure.

Response to Watermain Breaks with Suspected Contamination

All watermain breaks where chemical or microbiological contamination of the system is suspected will be immediately reported to the Medical Health Officer. The municipality will isolate the contaminated section from the rest of the distribution system. Once the watermain has been repaired, chlorine residual testing will be conducted at various locations affected by the main break. If low chlorine residuals are found, necessary actions to increase the levels of free chlorine will be carried out. If bacterial contamination is suspected, water samples will be analyzed and appropriate action taken.

City of Richmond
6911 No. 3 Road, Richmond, BC V6Y 2C1
Telephone: 604-276-4000
www.richmond.ca

City of Richmond

2015 Annual Water Quality Report Summary

In 2015, Richmond residents enjoyed high-quality and reliable drinking water. Water Services staff collected 2,027 water samples from 39 sampling sites to ensure excellent water quality.

Richmond is dedicated to promoting the value of municipal tap water, maximizing opportunities for use of tap water in municipal facilities and developing strategies for making tap water the "water of choice" in our community.

Water quality sampling

PRV station maintenance

Watermain tie-in

Project WET

Public Works Open House

How does Richmond provide high-quality tap water?

- By testing all 39 water quality sites on a regular basis.
- By continuous preventative maintenance and monitoring.
- By providing the water system with the highest degree of care to ensure that it's an inhospitable environment for any harmful bacteria or toxins.
- By proactive watermain replacement and maintenance projects.

Multi-Barrier Approach

Richmond recognizes that in order to provide the highest quality water, several methods must be used to ensure its superiority – hence the "Multi-Barrier Approach".

The "Multi-Barrier Approach" includes:

- disinfection of the water at the source;
- water quality monitoring at seven pressure reducing valve (PRV) stations where the water enters our system;
- weekly microbiological testing;
- system operators that are certified by the Environmental Operators Certification Program of BC;
- maintenance practices that are of the highest standard.

Heterotrophic Plate Count (HPC)

- The HPC count indicates the presence of nutrients that could facilitate the growth of harmful bacteria such as E. coli.
- By reducing the HPC levels, the possibility of bacteriological re-growth is essentially reduced.
- The minimal positive chlorine residual in our water also disinfects and eliminates harmful substances within our distribution system.

2015 Results

- Provided 34.6 million m^3 of the highest quality drinking water to nearly 213,900 Richmond residents.
- Conducted 2,027 microbiological tests.
- Maintained 13 pressure reducing value (PRV) stations.
- Maintained 4,765 fire hydrants to ensure water is available during an emergency.
- Repaired 41 watermain breaks without compromising the integrity of the water distribution system.
- Discovered and repaired 33 non-visible underground leaks through Richmond's leak detection program.
- Hosted over 500 students from Richmond elementary schools as part of the annual educational program: Project WET.
- Upgraded 3,000 m of new watermain through Capital projects and 347 water services for new developments.

Summary

Richmond residents will continue to enjoy drinking water that is fresh, reliable and of high-quality. It is without a doubt that the City of Richmond consistently excels at providing tap water of excellent quality!

Richmond

City of Richmond

Report to Committee

To:	Public Works and Transportation Committee	**Date:**	April 13, 2016
From:	John Irving, P.Eng. MPA Director, Engineering	**File:**	10-6600-10-02/2016-Vol 01
Re:	**Alexandra District Energy Utility Bylaw No 8641 Amendment Bylaw No 9555**		

Staff Recommendation

That the Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 9555 be introduced and given first, second and third reading.

John Irving, P.Eng. MPA
Director, Engineering
(604-276-4140)

Att. 4

REPORT CONCURRENCE		
ROUTED TO:	**CONCURRENCE**	**CONCURRENCE OF GENERAL MANAGER**
Finance	☑	
Law	☑	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	**INITIALS:** DW	**APPROVED BY CAO**

Staff Report

Origin

In 2010, Council adopted the Alexandra District Energy Utility Bylaw No. 8641, establishing the charges that constitute the rate for the service of delivering energy for space heating and cooling and domestic hot water heating within the Alexandra District Energy Utility (ADEU) service area. Further, in 2014, Council adopted a separate ADEU rate for services applicable to large format retail customers within the service area. This rate was defined for a specific portion of the ADEU service area, denoted as Area A.

The purpose of this report is to:

- Recommend an amendment to the 2016 rate and rate structure for large format retail customers within Area A of the ADEU service area; and

- Recommend an amendment to the capacity charge calculation for the residential buildings with mechanical systems which include gas-fired make-up air units

This report supports Council's 2014-2018 Term Goal #4 Leadership in Sustainability:

> *Continue advancement of the City's sustainability framework and initiatives to improve the short and long term livability of our City, and that maintain Richmond's position as a leader in sustainable programs, practices and innovations.*
>
> *4.1. Continued implementation of the sustainability framework.*
>
> *4.2. Innovative projects and initiatives to advance sustainability.*

Background

ADEU is a sustainable energy system that centralizes energy production for heating, cooling and domestic hot water heating for residential and commercial customers located in the Alexandra/West Cambie neighbourhood. The project is assisting in meeting the community-wide greenhouse gas emission reduction targets adopted as part of Richmond's Sustainability Framework by providing buildings with renewable, low carbon energy through geo-exchange technology.

The system started operation in 2012. In November 2015, the construction and commissioning of the Phase 3 expansion of the ADEU system was completed. This expansion more than doubled the capacity of ADEU's renewable energy generation by adding a second geo-exchange field. Additionally, it increased the size of the energy centre building while adding two 2,550 kW evaporative fluid coolers and three 1,500 kW condensing boilers. This will allow ADEU system to meet the energy demands of the rapidly growing West Cambie neighbourhood.

The system currently provides energy to six developments (Mayfair Place, Remy, Omega, Alexandra Court, Richmond Jamatkhana and Townline Oxford Lane) connecting over 1100

residential units and over 1 million square feet of floor area. See Attachment 1 for informational map with statistical summary.

As of March 30, 2016 (end of first billing quarter), the ADEU system has delivered 6751 MWh of energy to customers for space heating, cooling and domestic hot water heating. While some electricity is consumed for pumping and equipment operations, almost 100% of this energy was produced locally from the geo-exchange fields in the greenway corridor and the park. The backup and peaking natural gas boilers and cooling towers in the energy centre have operated only for a few days throughout the system's operation to date. Staff estimate that this has eliminated 1250 tonnes of GHG emissions[1] in the community (see Attachment 2) and are considering these reductions as GHG offsets for neutralizing corporate GHG emissions.

The system operation has been smooth and constant with only a few minor service interruptions scheduled as a part of the Phase 3 expansion. Incoming revenues and expenses have been increasing on pace with the gradual increase of serviced buildings and are meeting or exceeding the projected figures in the financial model.

Overall, the financial, operational and environmental results show outstanding performance of the ADEU system, as expected.

Analysis

Area A (SmartREIT) Rate Structure

Schedule C of the ADEU Bylaw No. 8641 defines the charges that constitute the rate for Area A. Total charges include a fixed capacity charge (tied to the building gross floor area) and a variable volumetric charge (tied to the energy consumed by the customer).

Phase 4 of construction is currently underway, which will see the addition of ADEU's first commercial customer – SmartREIT (previously Smart Centres). SmartREIT customers are within Area A and are subject to a rate that was developed specifically for this type of large format retail energy user. Large format retail buildings have a very different energy use profile when compared to residential buildings (one third the annual heat usage and four times more cooling loads). These differences are largely due to on-site waste heat recovery from refrigeration systems, heat that is gained from lighting systems and negligible hot water needs. The resulting large format retail rate calculations are not directly comparable to the residential rate calculations. As the detailed design of the Air Source Heat Pump (ASHP) system is complete and the construction is underway, staff is bringing forward recommendations to Council on how this rate should be structured to best serve ADEU and its new commercial customers.

At the time this rate structure was developed, information about the peak energy demand and annual energy consumption for the commercial buildings to be connected within Area A was limited. The only certain information was the gross floor area of the buildings. In order to provide certainty to the developers and their customers with respect to the cost of energy and assurance to the City that the revenue collected would support the utility business case, the rate was set with 100% weight on

[1] Assumed that all energy was provided for heating. The business-as-usual (BAU) assumed that 40% of the building heating load would be provided from electricity and the remaining 60% would be from gas make-up air units.

the charge tied to the floor area of the building. The current 2016 rate for Area A is $0.047 per square foot per month of the gross floor area, with the volumetric charge left at $0.00 per kilowatt hour as adopted by Council.

Since then, the City has received detailed energy modeling reports summarizing the expected heating and cooling loads for the developments in the area, providing a better understanding of the expected energy loads and consumption. This has allowed staff to change the rate to include a variable component, which in turn supports energy conservation.

ADEU was established on the basis that all capital and operating costs would ultimately be recovered through revenues from user fees, making ADEU financially self-sustaining over the long term. The intent of amending the rate structure is to ensure guaranteed revenue necessary to recover the capital and operating costs, and at the same time, to encourage energy conservation and high energy efficiency within the buildings.

The rate for Area A of $55/MWh was approved by Council in 2014, and agreed upon by SmartREIT as approximately equivalent to business as usual operating costs. Once included in the Bylaw, this rate was subject to the annual rate review adjustments of 4% year over year along with the other ADEU rate. Since the preliminary development of this rate structure, there have been several changes to the design of the SmartREIT development. Most critically, SmartREIT increased the peak cooling demands of the development. This and other smaller changes have increased ADEU's capital infrastructure costs that are required to service the development. Staff have calculated that this additional energy capacity provision results in a 2016 energy rate increase from $59.49/MWh to $66.92/MWh.

Three options of the rate structure are presented for consideration as follows:

1. Leave the rate structure as is (with an overall rate increase to reflect additional energy capacity provided).
2. Maintain a portion of the charge tied to the gross floor area, and introduce charge tied to annual energy demand (with an overall rate increase to reflect additional energy capacity provided).
3. Introduce charge tied solely to annual energy demand (with an overall rate increase to reflect additional energy capacity provided).

Option 1 – Leave the rate structure as is [2] (not recommended).

This rate would be comprised of:

1. Capacity Charge - monthly charge of $0.087 per square foot of the building gross floor area.

The rate structure under this option is strictly based on the cost per gross floor area serviced and it does not take in to account the energy consumption of the customer buildings. It would not encourage customers to conserve energy as there is no financial incentive to use less energy. Also,

[2] With an overall rate increase to reflect additional energy capacity provided

higher customer energy use will result in higher costs in the electricity and gas required to generate the energy delivered to customers. This would have a negative impact on the variable operating costs of ADEU.

Option 2 – Maintain a portion of the charge tied to the gross floor area, and introduce charge tied to annual energy demand[3] (not recommended).

This rate would be comprised of:

1. Capacity Charge - monthly charge of $0.0693 per square foot of the building gross floor area; and

2. Volumetric Charge - charge of $13.4 per megawatt hour of energy consumed by the building.

With this rate structure, the Capacity Charge aims to recover the capital investment and fixed operating costs, while the Volumetric Charge aims to recover the cost of consumed electricity and gas required to generate the energy delivered to a customer (variable operating costs). This rate structure is still largely (80%) based on the gross floor area of serviced buildings due to uncertainty of actual energy use of the buildings. This provides billing certainty for both the customer and ADEU, but it limits the value of reduced energy use for the customer - the charge tied to the annual energy demand will provide limited incentive to the customers to conserve energy. Also, in the case of high energy use by the customer, ADEU will incur high electricity and gas costs, which this rate structure will not be able to recover.

Option 3 –Introduce charge tied solely to annual energy demand[3] (recommended).

This rate would be comprised of:

1. Volumetric Charge -a basic supply charge of $66.92/MWh based on energy use of 2644 MWh per annum (60% of modelled energy use) plus $66.92/MWh for each megawatt hour used in excess of the basic supply charge amount.

The rate structure under this option solely takes into account the energy consumption of the customer buildings. This rate will strongly encourage customers to conserve energy by providing a financial incentive to use less energy. It provides a simple and consistent rate to customers that is linear based on their energy consumption. The basic supply charge will be set at 60% of the designed energy use of the buildings. This would allow customers to save up to 40% based on their energy conservation efforts and incentivize them to not excessively use energy that could lead to exceeding projected energy demand. Due to the linear nature of this structure, in the case of high customer energy use, ADEU is able to recover variable operating costs (gas and electricity) while maintaining a constant rate for the customers. Conversely, in the case of low energy use, the basic supply charge will ensure the guaranteed revenue necessary to recover the capital investment and operating costs while still providing the customers with an incentive to use less energy.

[3] With an overall rate increase to reflect additional energy capacity provided

City staff have reviewed the amended rate and structure with SmartREIT. SmartREIT provided several comments, mostly with respect to the administration of this proposed rate. Staff have addressed their comments.

Capacity Charge Calculation for the Residential Buildings with Natural Gas Operated Make-Up Air Units

Currently, buildings connecting to ADEU are prohibited from installing gas make-up air units in their mechanical systems as per Bylaw 8641, Part 22.2 (c). In traditional applications, gas make-up air units are often used to heat common spaces within residential apartment buildings. The inclusion of this technology in a building connected to ADEU does not allow for the building system to fully utilize the energy received from ADEU. With ADEU not able to provide heating energy to the common areas, this energy must come from burning natural gas. As a result, customers within these buildings would experience additional heating costs due to the use of the natural gas to heat common spaces serviced by the make-up air units. Different studies completed in recent years also showed that some amount of the heat from the common spaces/corridors is transferred by make-up air units into the residential suites. Staff have analysed energy data for one building in the service area that has natural gas make-up air units and concluded that approximately 50% of the energy supplied to common spaces is "pushed" into the suites.

Considering the above, staff is proposing to amend the capacity charge calculation for the buildings that have natural gas make-up air units to service common space. In those situations, as per the amended Bylaw (Attachment 3), common space floor area multiplied by factor 1.5 will be deducted from the building gross floor area when calculating capacity charge. This will ensure that customer's holistic costs for space heating energy are fair.

Financial Impact

With respect to the rate structure for Area A outlined in the proposed Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 9555, ensures full cost recovery for the delivery of energy within the ADEU service Area A.

With respect to the proposed amendment to the capacity charge calculation will provide a way to ensure that customers in buildings with gas make up air units are charged fairly for the heating and cooling services that they are receiving. This change will reduce ADEU revenue by approximately $40,000 annually based on the 2016 rate, which will have minimal impact on the ADEU financial model (Attachment 4).

Conclusion

The amendment bylaw presented with this report supports Council's objective to provide end users within the ADEU service area with annual energy costs that are competitive with the conventional system energy costs based on the same level of service. Staff will continuously monitor energy costs and review the rate structures with the objective of ensuring that the

average annual energy costs for end users will not exceed the conventional system energy cost for the same level of service.

The proposed rate structure for Area A encourages energy conservation and efficiency, while at the same time ensuring recovery of the costs necessary to offset initial capital investment and ongoing operating costs.

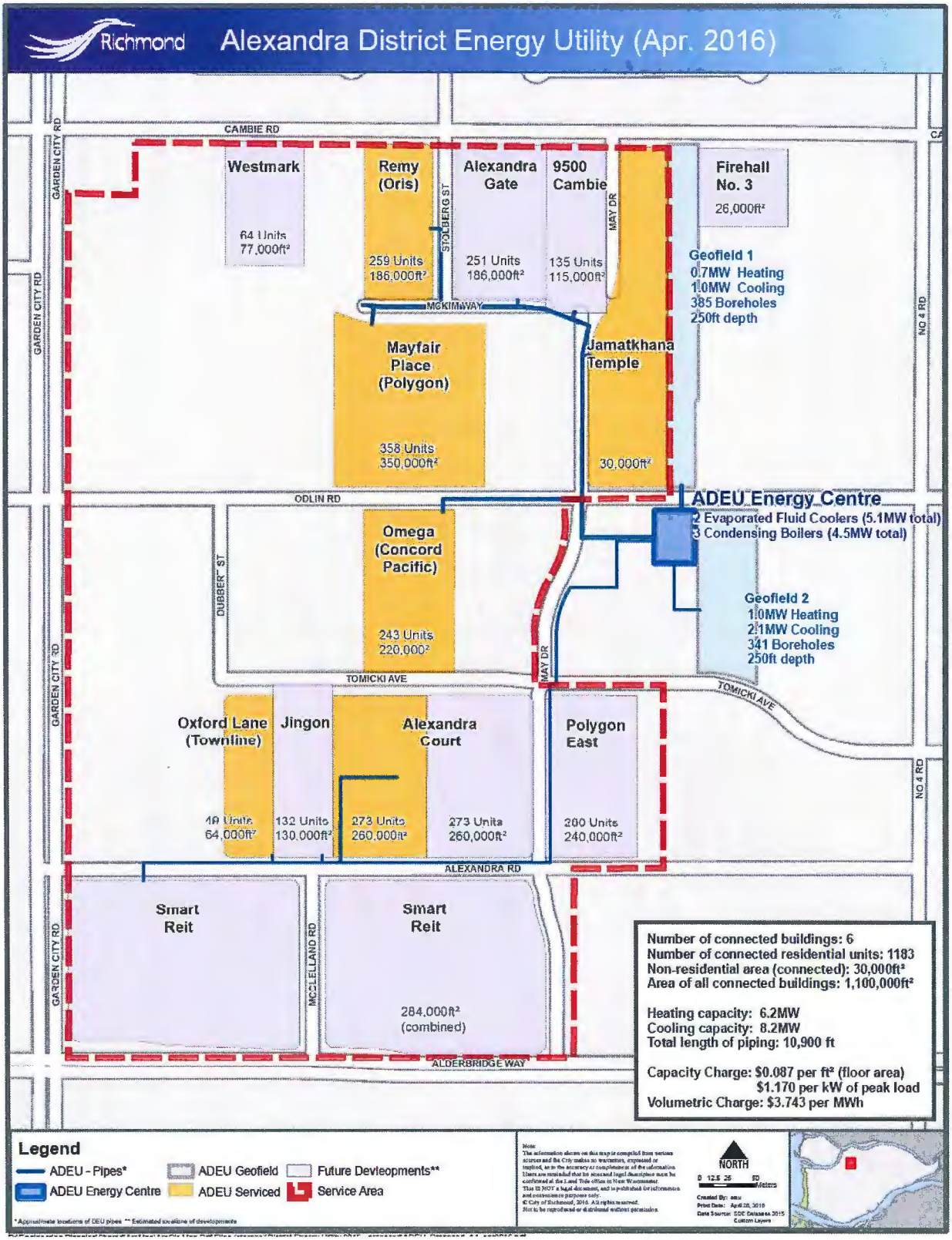
FOR:

Kevin Roberts
Project Engineer District Energy
(604-204-8512)

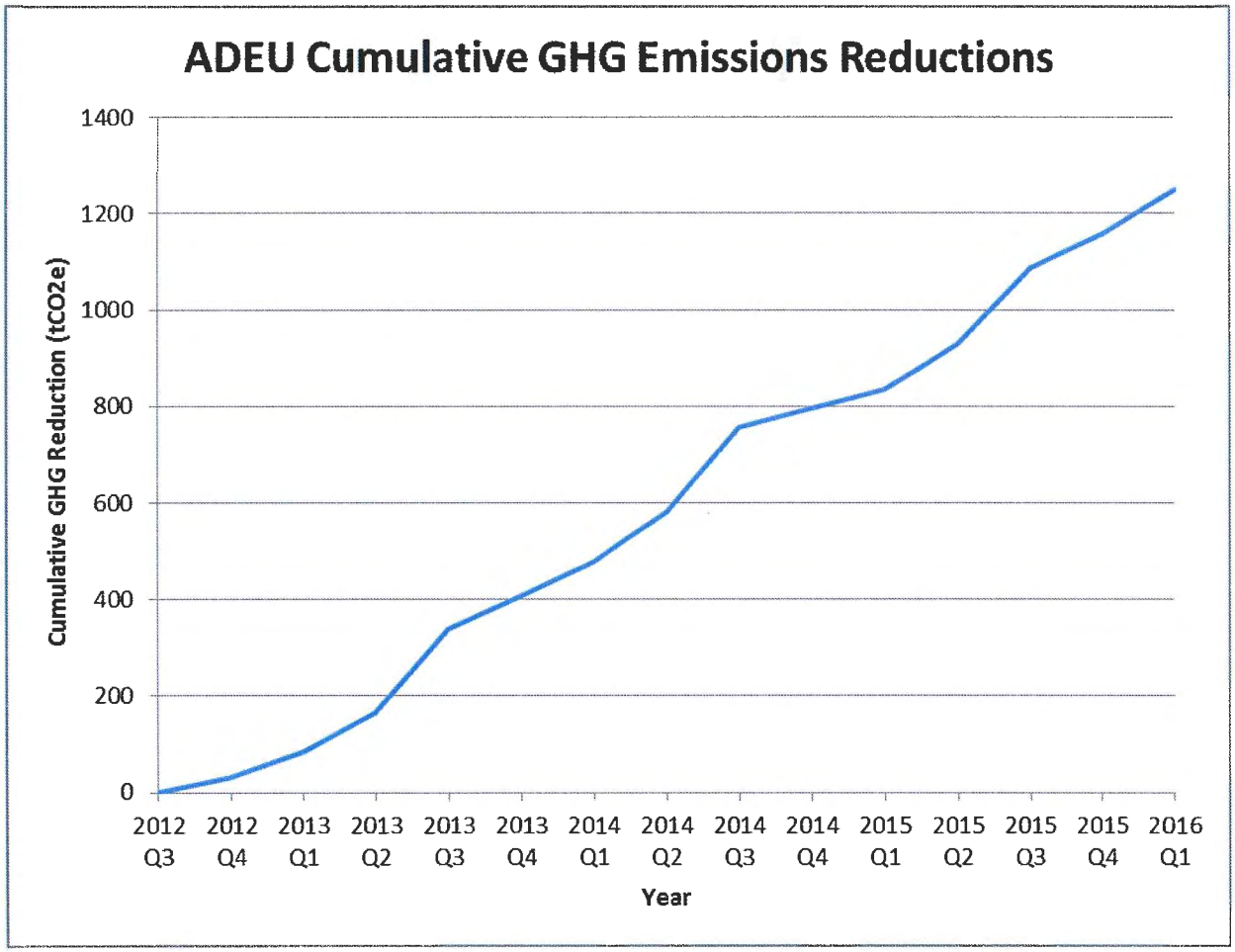
Alen Postolka, P.Eng.
Manager, District Energy
(604-276-4283)

Att. 1: Alexandra Neighbourhood and ADEU Service Area Informational Map
2: ADEU GHG Emission Informational Graph
3: Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 9555
4: ADEU Financial Analysis Model

Attachment 1 – Alexandra Neighbourhood and ADEU Service Area Informational Map



Attachment 2 – ADEU GHG Emission Informational Graph



City of Richmond

Bylaw 9555

Alexandra District Energy Utility Bylaw No. 8641 Amendment Bylaw No. 9555

The Council of the City of Richmond enacts as follows:

1. The **Alexandra District Energy Utility Bylaw No. 8641**, as amended, is further amended:

   (a) by adding a new Section 1.2(f) to read as follows, and by re-numbering all sub-sections in Section 1.2 as necessary so that they maintain sequential alphabetical order:

   1.2(f) *"**Common Space Floor Area**" means the total area of all horizontal floor space within a building used as common space or for giving access, including corridors, hallways, landings, foyers, staircases, stairwells, amenity spaces, mechanical/electrical rooms, laundry facilities and common storage facilities;*

   (b) by adding a new Section 1.2(k) to read as follows, and by re-numbering all sub-sections in Section 1.2 as necessary so that they maintain sequential alphabetical order:

   1.2(k) *"**Designated (GMAU) Property**" means a Designated Property that is utilizing gas make-up air units as approved by the City;*

   (c) by deleting the definition of Gross Floor Area from Section 1.2 in its entirety and replacing it with the following new definition:

   1.2(r) *"**Gross Floor Area**" means:*

   (i) *for Designated Properties, the total area of all horizontal floors, measured to the outer building limits, including all uses and all Common Space Floor Area, and includes enclosed balconies and mezzanines, enclosed porches or verandas, elevator shafts and accessory buildings, except those used for parking; and*

   (ii) *for Designated (GMAU) Properties, the total area of all horizontal floors, measured to the outer building limits, including all uses and all Common Space Floor Area, and includes enclosed balconies*

and mezzanines, enclosed porches or verandas, elevator shafts and accessory buildings, except those used for parking, less the Common Space Floor Area multiplied by a factor of 1.5;

(d) by deleting Schedule C (Rates and Charges) in its entirety and replacing with a new Schedule C attached as Schedule A to this Amendment Bylaw.

2. This Bylaw is cited as "**Alexandra District Energy Utility Bylaw No. 8641, Amendment Bylaw No. 9555**".

FIRST READING _____

SECOND READING _____

THIRD READING _____

ADOPTED _____

CITY OF RICHMOND
APPROVED for content by originating Dept.
APPROVED for legality by Solicitor

_____ MAYOR

_____ CORPORATE OFFICER

Schedule A to Amendment Bylaw No. 9555

SCHEDULE C to BYLAW NO. 8641

Rates and Charges

PART 1 - RATES FOR SERVICES

The following charges will constitute the Rates for Services for the Service Area excluding shaded Area A as shown in Schedule A to this Bylaw:

(a) Capacity charge – a monthly charge of $0.087 per square foot of Gross Floor Area, and a monthly charge of $1.170 per kilowatt of the annual peak heating load supplied by DEU as shown in the energy modeling report required under Section 21.1(c); and

(b) Volumetric charge – a charge of $3.743 per megawatt hour of Energy returned from the Heat Exchanger and Meter Set at the Designated Property.

PART 2 - RATES FOR SERVICES APPLICABLE TO AREA A

The following charges will constitute the Rates for Services applicable only to the Designated Properties identified within the shaded area (Area A) shown in Schedule A to this bylaw:

(a) Volumetric charge – a charge of $66.92 per megawatt hour of Energy returned from the Heat Exchanger and Meter Set at the Designated Property calculated on each of (i) an energy use of 2644 MWh per annum ("Basic Supply Amount"), and (ii) any energy use in excess of the Basic Supply Amount.

Attachment 4– ADEU Financial Analysis Model (to build-out)

*Preliminary draft based on current assumptions. Financial Model is subject to change as these facts and assumptions change.

	(All dollar figures are in thousands of dollars)										
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 10	Year 15	Year 20	Year 25	Year 30
	2011	2012	2013	2014	2015	2016	2020	2025	2030	2035	2040
TOTAL REVENUE	$ -	$ 72	$ 479	$ 601	$ 912	$ 1,310	$ 4,237	$ 7,507	$ 9,134	$ 11,113	$ 13,520
TOTAL EXPENSES	$ -	$ 6	$ 181	$ 206	$ 251	$ 1,087	$ 1,390	$ 2,073	$ 2,515	$ 3,050	$ 3,701
DEBT INTEREST EXPENSE	$ -	$ -	$ -	$ -	$ -	$ -	$ 528	$ 1,466	$ 416	$ 109	$ -
PROJECTED OPERATION INCOME (LOSS) BEFORE AMORTIZATION	$ -	$ 65	$ 298	$ 394	$ 661	$ 224	$ 2,319	$ 3,968	$ 6,203	$ 7,954	$ 9,819
Principal Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ 651	$ 4,135	$ 1,245	$ 109	$ -
PROJECTED CASHFLOW	$ -	$ 65	$ 298	$ 394	$ 661	$ 224	$ 1,668	($ 168)	$ 4,958	$ 7,845	$ 9,819
Cumulative Project Cashflow	$ -	$ 65	$ 363	$ 757	$ 1,418	$ 1,641	$ 8,107	$ 8,203	$ 14,767	$ 48,958	$ 94,402
Internal Rate of Return (IRR) over 30 years:											
CAPITAL INVESTMENT*	($ 2,300)	($ 2,066)	$ -	($ 1,634)	($ 18,100)	$ -	$ -	$ -	$ -	$ -	$ -
Annual Cash Inflow from Operation	$ -	$ 65	$ 298	$ 394	$ 661	$ 224	$ 2,319	$ 3,968	$ 6,203	$ 7,954	$ 9,819
Net Annual Cashflow of Investment	($ 2,300)	($ 2,001)	$ 298	($ 1,240)	($ 17,439)	$ 224	$ 2,319	$ 3,968	$ 6,203	$ 7,954	$ 10,384
CUMULATIVE DEBT LOAD	$ 2,412	$ 4,566	$ 4,646	$ 6,405	$ 25,731	$ 27,017	$ 36,149	$ 23,084	$ 2,582	($ 0)	($ 0)
CUMULATIVE PROJECTED NET INCOME	($ 49)	($ 106)	$ 69	$ 341	$ 521	($ 79)	$ 3,516	$ 14,526	$ 35,401	$ 66,348	$ 109,066

IRR:	10.93%	
NPV:	$ 18,214	
Payback Period:	17 year	(time to recover original investment of $30.8M from operation income)

The projections are based on prospective results based on assumptions about future conditions and courses of action.
The current model assumes internal borrowing for Phase 3 at an interest rate of 5% over 15 years.
*Includes an estimation of the remaining value of capital equipment.

City of Richmond

Report to Committee

To:	Public Works and Transportation Committee	**Date:**	April 20, 2016
From:	Victor Wei, P. Eng. Director, Transportation	**File:**	10-6460-01/2016-Vol 01
Re:	**Endorsement of Bike Right Initiative**		

Staff Recommendation

1. That the proposed Bike Right Provincial Framework for Cycling Education as outlined in the staff report titled "Endorsement of Bike Right Initiative" dated April 20, 2016 from the Director, Transportation, be endorsed;

2. That a letter indicating the City's support of the Bike Right Provincial Framework for Cycling Education Initiative be sent to the Premier of British Columbia and the Ministers of Children & Family Development, Environment, Health, and Transportation & Infrastructure; and

3. That a copy of above report be forwarded to the Richmond Council-School Board Liaison Committee for information.

Victor Wei, P. Eng.
Director, Transportation
(604-276-4131)

Att. 3

REPORT CONCURRENCE		
ROUTED TO:	**CONCURRENCE**	**CONCURRENCE OF GENERAL MANAGER**
Parks Recreation Sustainability	☑ ☑ ☑	
REVIEWED BY STAFF REPORT / AGENDA REVIEW SUBCOMMITTEE	**INITIALS:** DW	**APPROVED BY CAO**

Staff Report

Origin

Bike Right was initiated in 2011 by a group of Metro Vancouver-based cycling educators and active living advocates[1] concerned by decreasing rates of children cycling.[2] After researching a number of potential solutions, the group is advocating a comprehensive cycling education framework as the appropriate tool to address this trend in communities across the province.

Bike Right is seeking the support of local governments in BC to establish a cost-effective provincial cycling education standard and framework that will provide young people with the ability, awareness and confidence to choose cycling as a fun and healthy transportation option.

This report supports Council's 2014-2018 Term Goal #2 A Vibrant, Active and Connected City:

> *2.3. Outstanding places, programs and services that support active living, wellness and a sense of belonging.*

Analysis

Bike Right Initiative

The Bike Right initiative seeks the implementation of a provincial framework for cycling education in B.C. (Attachment 1). The framework would establish universal standards for cycling training, provide accreditation for instructors, and ensure accessibility to effective cycling education for children and youth across the province.

The bicycle has an important role to play if B.C. is to realize its ambitious health, environmental and economic goals. Encouraging cycling in B.C. has predominantly been focused on increasing access to and awareness of cycling through investments in infrastructure and facilities. A necessary complement to these measures is to engage those interested in cycling with the ability to do so confidently and safely through province-wide investments in education and training.

Bike Right is seeking collaboration with the Province of B.C. to implement a provincial framework for cycling education for B.C.'s children and youth, including certification, support, instructor training, and promotion. With the Province's support, the framework would establish a recognized standard for effective cycling education for children and youth, and would build the capacity needed to ensure access to, demand for and delivery of effective training in every community in the province. Bike Right is initially targeting children and youth but the Framework is adaptable for application to any age.

---

[1] Bike Right is led by a steering committee with representatives from several cycling and active-transportation organizations in Metro Vancouver including HASTe BC, HUB Cycling, PEDAL, and the British Columbia Cycling Coalition.

[2] http://www.theglobeandmail.com/news/national/education/fewer-canadian-students-walking-or-cycling-to-school-raises-concerns/article29535846/

The Bike Right Framework is modeled after Bikeability, the United Kingdom's national cycling training standard and its associated program. Since it was instituted as a national program of the Department of Transportation in 2006, Bikeability has demonstrated that trained children cycle more often, cycle more to school, cycle more on the road, cycle with more confidence on the road, and enjoy cycling more.

Support of Bike Right Initiative to Date

Bike Right is supported by a network of diverse groups that represent cycling and active living stakeholders from over 20 communities across B.C., including community groups, educators, researchers, local government, public health, and the private sector (Attachment 2). Municipalities that have endorsed the initiative include the City of Vancouver, City of Kelowna, City of Nanaimo, City of North Vancouver, and the City of Vernon. Financial support to develop the initiative has been provided by TransLink, ICBC, Mountain Equipment Co-op, and the Bullitt Foundation, a Seattle-based organization that provides grant funding for projects and initiatives that promote sustainability.

The City of North Vancouver also unanimously endorsed a motion at its April 18, 2016 Council meeting to submit a resolution to the Union of British Columbia Municipalities (UBCM) for consideration at the September 26-30, 2016 UBCM convention (Attachment 3).

Alignment of Bike Right Initiative with City Objectives

Richmond's *Official Community Plan* includes a target to reduce community greenhouse gas (GHG) emissions 33 per cent below 2007 levels by 2020, and 80 per cent below 2007 levels by 2050. Support of the Bike Right initiative would be consistent with the following City objectives within the *Official Community Plan*:

- Vibrant Cities: Section 4.2 – Recreation and Wellness
  Objective 4: Encourage people to make healthy, active lifestyle choices throughout their lives.
- Mobility and Access: Section 8.4 – Cycling
  Objective 2: Support skills training programs for cyclists, motorists and other road users (e.g., the mobility challenged).

Richmond's 2014 Community Energy and Emissions Plan (CEEP) outlines an array of strategies and actions for the City to take to reduce community energy use and GHG emissions, including:

- Strategy 4: Prioritize and Fund Walking, Rolling and Cycling
- Action 10: Prioritize Walking, Rolling and Cycling Infrastructure

By 2041, the City aims to have more than one-half of all trips in Richmond by non-vehicle modes – walking, cycling and transit. In 2008, the vast majority of trips in Richmond were automobile trips (83 per cent) with transportation GHG emissions from passenger vehicles representing 41 per cent of the City's total GHG emissions. Richmond has made significant investments in walking, rolling and cycling infrastructure and walkways through a variety of capital improvement programs to facilitate this shift.

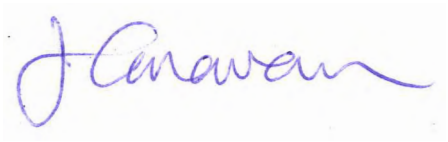
Adoption and implementation of the Bike Right initiative would support and complement the City's investment in cycling and rolling infrastructure by providing not only Richmond residents but all communities and individuals across B.C. with opportunities to adopt an active transportation lifestyle that results in long-term behaviour changes, healthier citizens and safer communities. Providing effective and accessible bicycle and traffic safety education across the province based on best practices and successful modelling will have a positive impact on the health, well-being and development of all children and youth in British Columbia.

Financial Impact

None. Implementation of the Bike Right Framework is expected to be fully funded by the Province of BC.

Conclusion

The proposed Bike Right Framework is consistent with the City's transportation, sustainability and wellness goals. City endorsement of the Framework would add impetus to efforts to initiate and establish a provincial cycling education standard and framework that will provide young people with the ability, awareness and confidence to choose cycling as a fun and healthy transportation option.



Joan Caravan
Transportation Planner
(604-276-4035)

JC:jc

Att. 1: Proposed Bike Right Framework
Att. 2: Sponsors to Date of Bike Right Framework
Att. 3: City of North Vancouver Resolution for UBCM Consideration

Bike Right Framework

Framework

OBJECTIVE

To increase cycling activity among British Columbia's children and youth, and thereby improve their safety, health, and quality of life, through effective and accessible cycling education.

APPROACH

Establish a provincially recognized standard for effective cycling skills & safety education.

Build capacity to ensure access to and demand for cycling skills & safety education throughout the province.

COMPONENTS

Certification process for cycling education curricula & programs based on evidence based, peer reviewed standard.

Resources to build local capacity for cycling education, and ensure access for remote, at-risk and marginalized communities.

Instructor training regime to train cycling educators who can teach to the standard.

Promotional campaign to bolster demand for youth cycling education by highlighting the positive connections between children and bicycles.

Sponsors to Date of Bike Right Framework

City of North Vancouver Proposed Resolution for UBCM
Endorsed at April 18, 2016 Council Meeting

22. Support for a BC-Wide Youth Cycling Education Framework – File: 16-8480-01-0001/2016

Submitted by: Mayor Mussatto

THAT Council support the submission of the following resolution to the Union of British Columbia Municipalities (UBCM) for consideration at the September 26-30, 2016 UBCM convention:

WHEREAS the transportation sector represents the largest part of British Columbia's total greenhouse gas emissions (GHG), with individuals generating over half of their own GHG emissions through transportation activities;

WHEREAS studies have shown that the number of cyclists increases significantly when investments in cycling infrastructure are complemented by education and awareness programming;

WHEREAS existing cycling education programs in British Columbia rely on local funding and are therefore unevenly available across the province, and do not have consistent, formally-instituted teaching standards or oversight;

AND WHEREAS emerging evidence suggests that consistent, comprehensive and effective cycling skills training for young people influences their future transportation decisions towards increased cycling;

NOW THEREFORE BE IT RESOLVED THAT UBCM urge the Province of British Columbia to implement and fund a province-wide cycling education framework for children and youth as proposed by BC Bike Right Network.