



2020 Annual Water Quality Report



Photo by Graeme Nolan

Engineering and Operations

Operations Division

City of Port Moody

Foreword

According to the British Columbia Drinking Water Protection Act and the British Columbia Drinking Water Protection Regulation (BCDWPA and BCDWPR), the City of Port Moody is required to conduct drinking water quality monitoring and to publish the results in an annual report. A summary of water quality, and an overview of projects and events related to drinking water in the City of Port Moody, is provided in this report.

Please visit the following web sites for further information:

- Health Canada
<http://www.hc-sc.gc.ca/ewh-semt/water-eau/drink-potab/guide/index-eng.php>
- Ministry of Health
<https://www2.gov.bc.ca/gov/content/governments/local-governments/infrastructure/water-systems>
- Metro Vancouver
<http://www.metrovancouver.org/services/water/Pages/default.aspx>

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Acronyms & Definitions

Acronym	Full Form	Definition
AO	Aesthetic Objective	Targeted levels of characteristics that do not result in objectionable qualities like taste, odour, or appearance
ASTTBC	Applied Science Technicians and Technologists of British Columbia	Body responsible for regulating standards of practice and training of technologists in the interest of the public
BCDWPA	British Columbia Drinking Water Protection Act	Act that establishes requirements for safe supply of drinking water
BCDWPR	British Columbia Drinking Water Protection Regulation	Regulation that prescribes specific actions and measurements related to the safe supply of drinking water
DBP	Disinfection by-products	Group of chemicals generated when chlorine used for drinking water disinfection that includes HAA and THM
E.coli	Escherichia coli	Large classification of bacteria commonly found in the natural environment, including in food and digestive tracts
EOCP	Environmental Operators Certification Program	Industry body legislatively required to conduct certification of water distribution system operators
GCDWQ	Guidelines for Canadian Drinking Water Quality	Document established through a collaborative provincial-federal committee that sets out limits for drinking water characteristics
HAA	Haloacetic Acid	Disinfection by-products
HPC	Heterotrophic Plate Count	Measurement of the overall amount of bacteria in drinking water
MAC	Maximum Acceptable Concentration	Highest tolerated amount of a characteristic in drinking water
Mg/l	Milligrams per Litre	A ratio that expresses the mass of a substance per litre of water
NTU	Nephelometric Turbidity Units	Measurement of light passing through water that indicates its appearance and presence of suspended particles
PPB	Parts Per Billion	A ratio that expresses a quantity of a characteristic amongst 1000 million units of drinking water
PPM	Parts Per Million	A ratio that expresses a quantity of a characteristic amongst 1 million units of drinking water
PRV	Pressure Regulating Valve	A valve used to regulate or reduce operating pressure in the water distribution system
PV	Polyvinyl Chloride	Commonly used plastic pipe material
SCADA	Supervisory Control and Data Acquisition	Electronic system used for remote communication and control of water distribution system infrastructure
THM	Trihalomethane	Disinfection by-products
UDF	Uni-directional Flushing	A method used to clean pipes in the water distribution system

Executive Summary

The City of Port Moody supplies drinking water to residential, industrial, commercial, and institutional customers within city limits. In 2020, the City purchased and distributed over 5.3 million cubic metres of treated drinking water with a value of \$4.2 million.

This report fulfills the requirements of the City set out in the British Columbia Drinking Water Protection Act (BCDWPA) by providing an overview of the City's water distribution system and assessment of key performance indicators. Metro Vancouver collects and analyzes water samples from the City's distribution system on behalf of the City of Port Moody. This report includes a summary and discussion of these results, and a complete record of 2020 water quality sampling results.

The sampling that Metro Vancouver conducts on behalf of the City analyzes chemical, physical, and bacterial parameters. The sample results for Port Moody's water were well under their respective Maximum Acceptable Concentration (MAC) values.

As part of its commitment to continual improvement, reliable service, and a high level of water quality, the City completes operational and capital improvement programs on an ongoing basis. These programs are continually evaluated and adjusted to ensure that high-quality drinking water is delivered with maximum efficiency.

A summary of notable incidents related to the water distribution system is outlined in Section 2.0.

1.0 Water Distribution System

1.1 System Infrastructure

The tables in this section provide a snapshot of the City of Port Moody's water distribution system. All of the components listed are operated and maintained by City of Port Moody staff.

Table #1: Water Distribution System Assets

Appurtenance	Quantity
Total length of all water mains	Approximately 120km
Fire Hydrants	Approximately 600
Pressure Regulating Valve (PRV) Stations	15
Pump Stations	3
Reservoirs	3
Rechlorination Stations	2

There are many other smaller components to Port Moody's water distribution system, including:

- water meters;
- air valves;
- blowdown chambers;
- line valves;
- sampling stations;
- automatic flushing units; and
- residual chlorine analyzers.

All of these components work together to distribute safe, high-quality drinking water throughout the city. As of December 31, 2020, the net book value of all these components, which together comprise the City's water distribution system, was \$23,883,416.

1.2 Staff Certification

The City's water system is monitored, operated, and maintained by a team of qualified personnel who are certified by the Environmental Operators Certification Program (EOCP) and the Applied Science Technologists and Technicians of British Columbia (ASTTBC). Port Moody's water distribution system is classified as a Class III system by the EOCP, and is required to have a minimum number and level of certified staff. The City exceeds these requirements, with some staff certified as Level III and Level IV water distribution operators.

2.0 2020 Event Summary

2.1 Water Main Breaks

The City repaired 4 water main breaks in 2020 at the following locations:

- 600 block Ioco Road;
- 2500 block St. Johns Street;
- Seaforth Way at St. George Street; and
- Pinda Drive.

The City strives to make repairs immediately and to be on-site within one half hour on weekdays from 07:00 to 15:30 and within one hour on weekends, holidays, and weekdays from 15:30 to 07:00.

After repairs are completed, the water main is disinfected per the American Water Works Association C651-99 AWWA Standard for Disinfecting Water Mains (AWWA, 2000). Following completion of these procedures, the water main is flushed until field water quality parameters match background values.

2.2 PHO Memo to Drinking Water System Owners Regarding COVID-19

The City activated our Emergency Operations Centre (EOC) in February 2020 in response to the COVID-19 pandemic. On April 9, 2020 the Provincial Health Officer (PHO) notified drinking water system owners of her support for a variety of temporary measures intended to safeguard business continuity for drinking water systems. These measures included consideration of mutual aid agreements, emergency plan updates, training, and the flexibility to temporarily integrate other staff into the operation of the City's water utility.

In response to the PHO's memo, the City implemented a system of cross-functional task forces along with 7 day a week operational staffing for the water distribution system. The task forces were made up of integrated staff groups that included water distribution system operators, wastewater collection system operators, and other public works staff. Regular operation and maintenance tasks related to the water distribution system carried on normally during this period. The task forces were stood down in September 2020, and organizational structures and assignments for water distribution system operators returned to normal.

2.3 Dewdney Trunk Road PRV Repairs and Reinstatement

The City's Dewdney Trunk Road PRV building was damaged in a series of motor vehicle accidents on November 21 2019. Trucks and equipment from an adjacent construction site repeatedly impacted the building, causing severe structural damage to the exterior walls and roof.

As a result of the structural damage, electrical supply to the building was shut off and all electronics were removed. The PRV station was placed out of service temporarily, and isolated from Metro Vancouver's Port Moody No. 1 transmission water main. Structural repairs to the building were initiated in late 2019 under the supervision of a structural engineer and continued into early 2020. After electrical repairs were completed to the station in June 2020, it was returned to normal operating conditions.

2.4 BA Line Water Quality Sampling Error

The British American(BA) Line water main was originally constructed to provide process water and fire protection at Suncor's Port Moody Terminal at 1155 Glenayre Drive. This large diameter transmission water main connects directly to Metro Vancouver's Port Moody No. 1 Main near the City's Dewdney Trunk Road Pressure Reducing Valve(PRV) Station, and supplies Suncor's private water pump station at 1923 St. Johns Street. While this water main is not intended to supply customers other than Suncor, it may be used to supply water to the City's conventional water distribution system in response to issues like water main breaks or as part of ongoing operation and maintenance.

As part of the integration of sample station PMY-516 into the City's regular sampling routine, a preliminary sample from the station was taken. This sample showed elevated levels of xylene. In response the City activated our EOC, notified Fraser Health, and began to shut down the BA Line. After extensive communication with the laboratory that completed the preliminary sample, an error in the sampling information was identified. The wrong units of measure were used to assess the results, and resulted in the levels of xylene appearing to be one thousand times higher than the actual level. After this was discovered, the EOC was stood down and the operation of the water system was returned to normal. Sample station PMY-516 was included in regular sampling in late 2020, with no further water quality issues identified in subsequent samples.

2.5 Water Quality Customer Service

Operations Customer Service, which is available by phone 24 hours a day, 7 days a week, received a total of 5 calls related to water quality in 2020. Of these calls, three were related to aesthetic water quality concerns like taste or odour, and two were related to private plumbing issues.

3.0 Water Main Flushing Program

The City of Port Moody conducts uni-directional flushing to maintain a high level of water quality in the distribution system. Uni-directional flushing involves strategically closing valves and opening fire hydrants in sections of the distribution system in order to attain high water velocities in target water mains. This produces a scouring action that is more effective at cleaning the interior pipe wall than regular flushing and consumes less water. In 2020, the City completed uni-directional flushing on approximately 47 kilometres of water main, or just over one-third of the City's total water distribution system.

4.0 Water Quality Sampling and Testing

Generally, Metro Vancouver's source water quality met or exceeded standards set by the Guidelines for Canadian Drinking Water Quality (GCDWQ) as well as the BCDWPA and BCDWPR for bacteriological, physical, and chemical water quality.

Sampling and analysis for water quality parameters in Port Moody are conducted on a regular basis by Metro Vancouver staff on behalf of the City. This monitoring is conducted for bacterial, chemical, and physical characteristics.

The BCDWPR requires one monthly sample per 1,000 population. The City's 2020 population was approximately 34,000, meaning that at least 33 monthly samples were required to be taken. Port Moody exceeded the requirements for sampling, with an average of approximately 60 samples taken every month in 2020, and no fewer than 40 were taken in any given month. A total of 746 samples were collected from the City's distribution system in 2020. Appendix #2 shows the location of sampling stations.

4.1 Chemical and Physical Quality

Water quality sampling for chemical and physical parameters, including disinfection by-products, vinyl chloride, and metals, is carried out on varying schedules. Table #2 outlines the frequency with which these qualities are sampled and analyzed.

Table #2: Chemical and Physical Monitoring Frequency

Parameter	Sampling Source	Frequency
Free chlorine residual	Municipal distribution system	Collected with bacteriological samples
Metals(including copper, iron, lead, and zinc)	Municipal distribution system	Semi-annually
Disinfection by-products(including haloacetic acids and trihalomethanes)	Municipal distribution system	Quarterly
Odour	As required	Complaint basis
pH	Municipal distribution system	Quarterly
Taste	As required	Complaint basis
Temperature	Municipal distribution system	Quarterly
Turbidity	Municipal distribution system	Collected with bacteriological samples
Vinyl chloride	Municipal distribution system locations where PVC is used	Semi-annually

4.1.1 Metals

Metals can enter drinking water from the source watershed or the distribution system itself. The City of Port Moody's drinking water has historically contained very low concentrations of metal compounds. A complete record of 2020 metals sampling results can be found in Appendix #3.

4.1.2 Disinfection By-Products

Disinfection by-product (DBP) formation occurs when chlorine in drinking water reacts with dissolved organic compounds. These reactions produce two main groups of DBPs, trihalomethanes (THM) and haloacetic acids (HAA). A complete record of 2020 DBP sampling results can be found in Appendix #4.

4.1.3 Vinyl Chloride

Approximately 660 metres of water main, located in the Klahanie Drive area, is constructed with polyvinyl chloride (PVC) pipe. Studies have shown that under extreme conditions, PVC pipes can leach vinyl chloride into drinking water. The Guidelines for Canadian Drinking Water Quality(GCDWQ) set a MAC for vinyl chloride at 0.002 mg/l (Health Canada, 2017). The City takes samples from these water mains and submits them to Metro Vancouver's laboratory for analysis on a semi-annual basis. All vinyl chloride monitoring results obtained in 2020 were well below MAC values and equipment detection limits. A complete record of 2020 Vinyl Chloride sampling results can be found in Appendix #5.

4.2 Bacteriological Quality

All samples collected from the City's water distribution system are analyzed for three key indicators:

- total coliform;
- E. coli bacteria; and
- Heterotrophic plate count (HPC) bacteria.

Total coliform and E. coli analysis indicates whether adequate disinfection is present in the water distribution system. HPC analysis indicates the potential for further bacterial growth within drinking water, but does not indicate a direct drinking water safety issue.

The quantity of bacterial samples collected from municipal water distribution systems is based on the population served. Figures #1 and #2 display the number of bacteriological samples collected from the city's water distribution system and the percentage of samples collected that returned HPC results greater than 500 CFU/mls each month. Figure #3 demonstrates City compliance with the BCDWPR total coliform bacteria requirements (Health Canada, 2017; Province of British Columbia, 2011).

A complete record of 2020 bacteriological water quality sampling results can be found in Appendix #1.

Figure#1: Number of Bacterial Samples Analyzed per Month

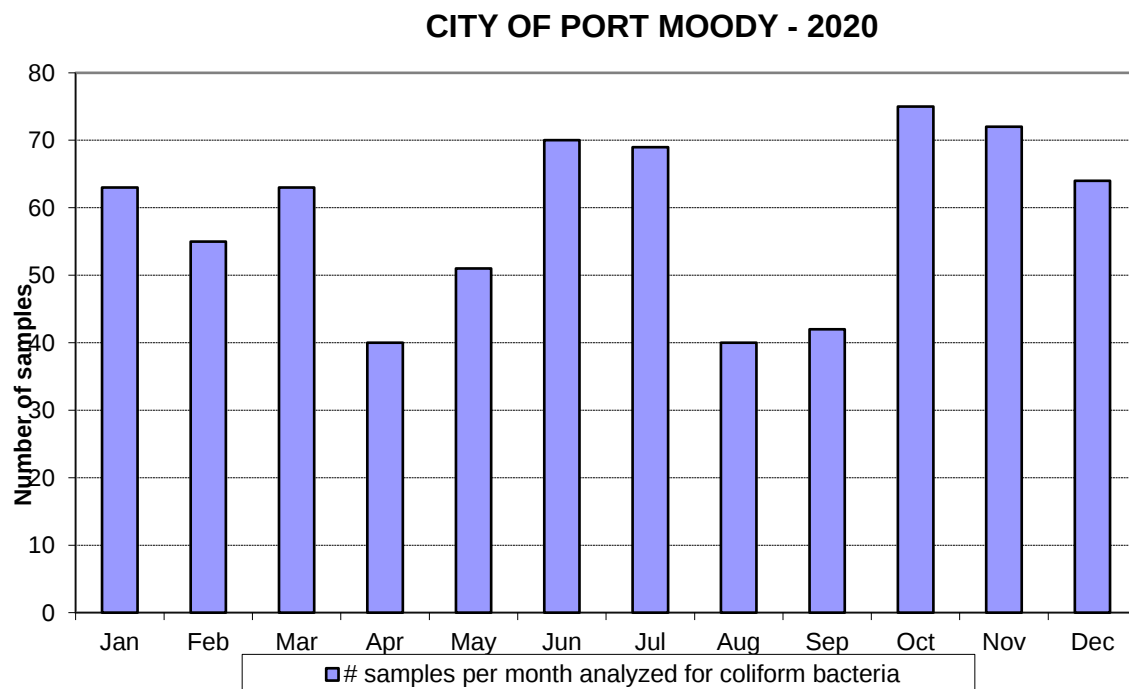


Figure #2: 2020 Monthly Heterotrophic Plate Count Results >500 CFU/mls

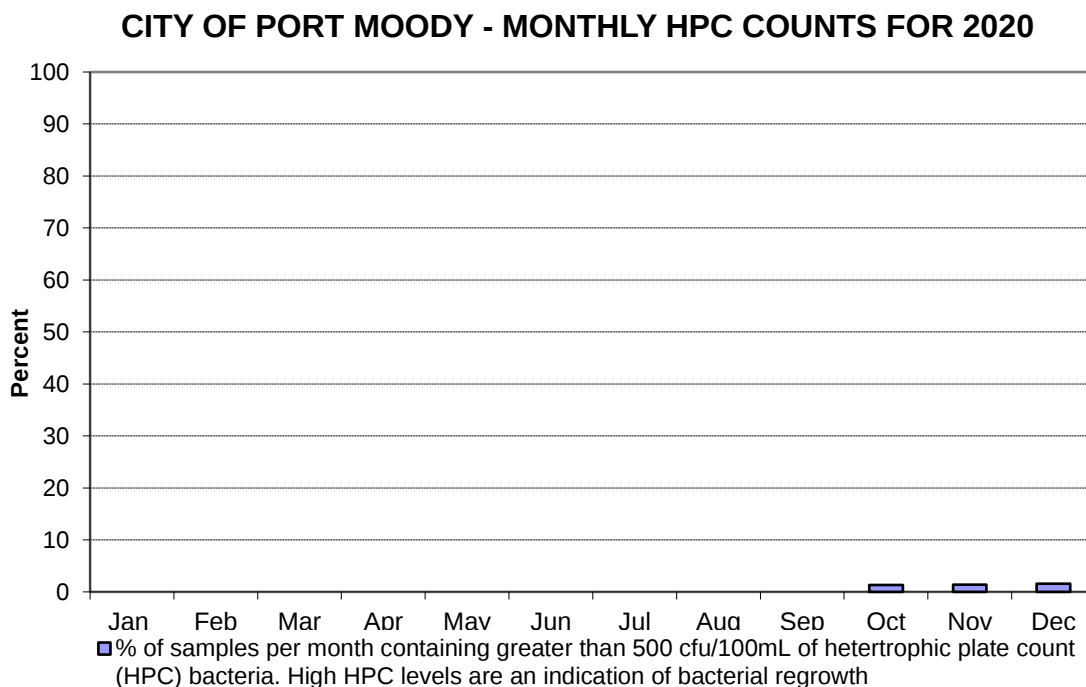
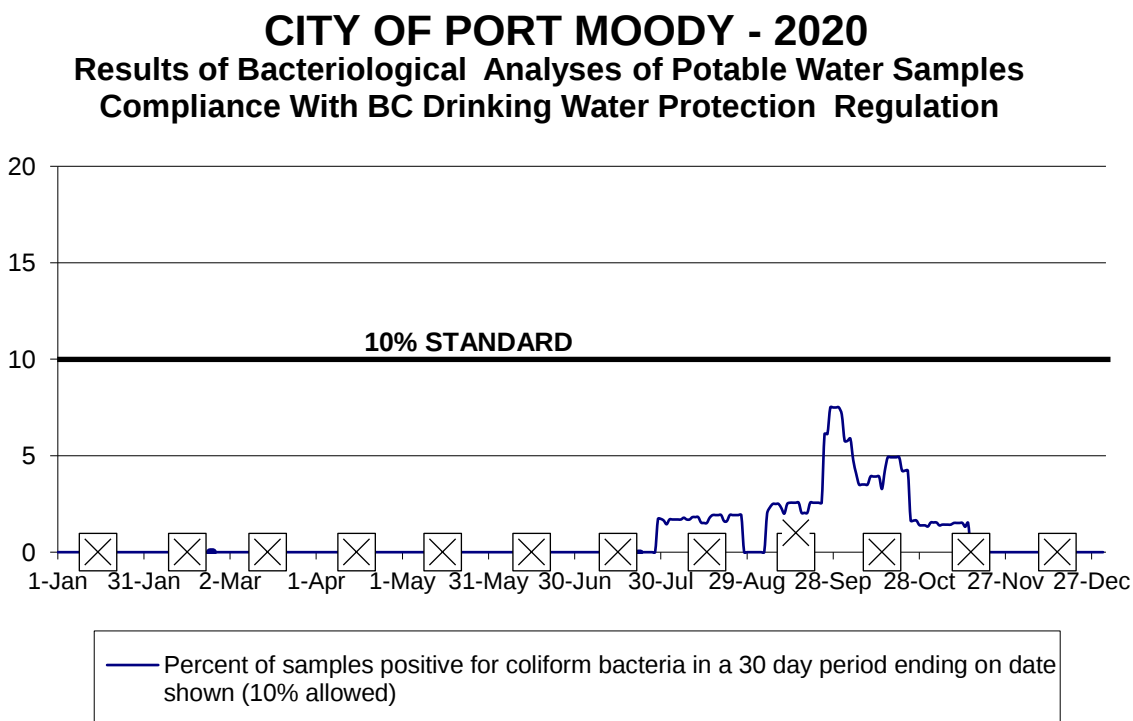


Figure #3: Results of Bacteriological Analysis of Potable Water Samples and Compliance with BCDWPR



4.3 Chlorine Residual

The water supplied to the City by Metro Vancouver is chlorinated at Metro Vancouver's water treatment facilities, and again throughout their transmission system. The City rechlorinates water at Ioco Road Rechlorination Station and at Chestnut Way Rechlorination Station to provide for disinfection and bacterial regrowth prevention in extended areas of the City's water distribution system. These facilities provide this necessary function in the Pleasantside, Ioco, Sunnyside, Sentinel Hill, Heritage Mountain, and Heritage Woods neighbourhoods.

Maintaining adequate chlorine residual in a potable water distribution system is vital to preserving public health. The City strives to achieve a balance of aesthetics and disinfection when maintaining chlorine residuals.

5.0 Water Distribution System Projects

Two water distribution system projects were completed in 2020, including:

- an interim engineering design for valve improvements at Chestnut Way Reservoir, which allow for the reservoir to be safely isolated; and
- establishment of a statutory right-of-way over private property in the 1250-block of Alderside Road, and installation of a 100mm water main owned and operated by the City.

Other water distribution system projects were ongoing in 2020, including:

- an updated Water Distribution System Emergency Plan;
- engineering designs for seismic retrofits at Chestnut Way Reservoir; and
- water distribution system capital replacement program development.

6.0 Water Distribution System Emergency Plan

In the event of an emergency, such as an earthquake, the City may enact its Emergency Water Supply and Distribution Plan. The BCDWPR requires water utilities to maintain effective emergency plans.

In 2019, the City awarded a contract to an engineering consulting firm for the development of a new emergency plan for the water distribution system. A task force led by the consulting firm, which includes City staff from a variety of functional areas, was created to manage this project. Communication with stakeholders as well as an evaluation of community hazards, risks and vulnerabilities took place in 2020. The revised emergency plan is anticipated to be complete in 2021. The new emergency plan will fulfill the City's requirement to maintain an effective emergency plan, and will be easily integrated within the City's emergency management function. It will also consider the City's approach to emergency management and response for the water distribution system within a regional context.

7.0 Conclusion

In 2020, drinking water in the City of Port Moody met or exceeded the requirements of both the Guidelines for Canadian Drinking Water Quality and the British Columbia Drinking Water Act and Regulation. The City works closely with stakeholders, including Fraser Health and Metro Vancouver, in the operation of the City's water distribution system. Port Moody Operations staff work to ensure safe, clean, reliable, drinking water is delivered to the City's residents at a reasonable cost.

References

American Water Works Association. (2000). *ANSI/AWWA C651-99 – AWWA Standard for Disinfecting Water Mains*.

Drinking Water Protection Regulation, BC Reg 237/2018.

Health Canada. (2009). *Guidelines for Canadian Drinking Water Quality: Guideline Technical Document – Chlorine*. Ottawa: Health Canada.

Health Canada. (2013). *Guidelines for Canadian Drinking Water Quality: Guideline Technical Document – Heterotrophic Plate Counts*. Ottawa: Health Canada.

Metro Vancouver. (2011). *Metro Vancouver Drinking Water Management Plan*.
<http://www.metrovancouver.org/services/water/WaterPublications/DWMP-2011.pdf>

Appendix #1

Bacterial Analysis

PMY 506 – 22 Crawford Bay

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 10:59	0.32	<1	4	8.4	<1	0.42
2020-01-07 08:47	0.09	<1	220	8.2	<1	0.27
2020-01-08 09:34	0.26	<1	4	8	<1	0.33
2020-01-14 09:29	0.21	<1	200	7.4	<1	0.28
2020-01-21 11:04	0.12	<1	2	6.9	<1	0.25
2020-01-29 11:21	0.4	<1	2	7.2	<1	0.41
2020-02-05 09:30	0.11	<1	6	7.6	<1	0.67
2020-02-12 13:15	0.43	<1	<2	7.1	<1	0.79
2020-02-20 09:32	0.16	<1	<2	5.6	<1	0.44
2020-02-22 11:01	0.09	<1	4	7.1	<1	0.43
2020-02-27 08:41	0.06	<1	<2	6.9	<1	0.55
2020-03-04 11:31	0.69	<1	<2	6.4	<1	0.57
2020-03-06 09:59	0.26	<1	<2	6	<1	0.7
2020-03-09 11:01	0.44	<1	<2	6.1	<1	0.6
2020-03-22 07:45	0.46	<1	<2	5.4	<1	0.35
2020-03-24 11:24	0.16	<1	<2	6.8	<1	0.32
2020-03-31 11:16	0.18	<1	<2	7.1	<1	0.36
2020-04-08 11:38	0.51	<1	<2	8.1	<1	0.44
2020-04-17 08:40	0.33	<1	<2	9.2	<1	0.44
2020-04-23 08:34	0.14	<1	<2	10.4	<1	0.33
2020-04-29 08:30	0.33	<1	<2	10.5	<1	0.34
2020-05-06 08:31	0.5	<1	<2	10.5	<1	0.72
2020-05-13 08:37	0.53	<1	<2	12	<1	0.3
2020-05-14 11:18	0.27	<1	2	10.2	<1	0.36
2020-05-21 10:47	0.23	<1	<2	10.7	<1	0.34
2020-05-27 12:02	0.59	<1	<2	11	<1	0.35
2020-06-02 08:32	0	<1	<2	13.4	<1	0.33
2020-06-03 08:44	0.35	<1	<2	13.4	<1	0.22
2020-06-04 11:23	0.03	<1	<2	14	<1	0.24
2020-06-09 12:18	0.17	<1	<2	14.7	<1	0.25
2020-06-16 12:06	0.13	<1	LA [Contamination.]	13.6	<1	0.26
2020-06-23 12:03	0.18	<1	2	14.5	<1	0.2
2020-07-02 10:59	0.17	<1	<2	15.3	<1	0.21
2020-07-07 11:34	0.15	<1	16	16.3	<1	0.24
2020-07-16 11:03	0.04	<1	2	15.6	<1	0.34
2020-07-23 11:19	0.28	<1	6	16.8	<1	0.24
2020-07-28 10:48	0.18	<1	<2	16.8	1	0.24
2020-08-07 10:18	0.04	<1	6	17.1	<1	0.25
2020-08-12 08:50	0.26	<1	<2	17.1	<1	0.26
2020-08-20 08:53	0.24	<1	<2	17.5	<1	0.24
2020-09-04 11:03	0.31	<1	<2	17	<1	0.38
2020-09-10 10:21	0.13	<1	18	18.1	<1	0.29
2020-09-16 12:31	0.35	<1	<2	20	<1	0.38
2020-09-24 09:31	0.15	<1	28	16.1	<1	0.22
2020-10-01 10:21	0.12	<1	26	17.4	<1	0.42
2020-10-05 11:25	0.24	<1	8	16.3	<1	0.63
2020-10-06 11:53	0.15	<1	10	16.6	<1	0.5
2020-10-14 12:10	0.11	<1	12	16.4	<1	0.53
2020-10-15 09:25	0.04	<1	200	15.3	1	0.5
2020-10-21 12:12	0.15	<1	130	14.3	<1	0.5
2020-10-27 12:08	0.11	<1	430	13.9	<1	0.42
2020-11-03 13:02	0.18	<1	210	11.6	<1	0.26
2020-11-12 11:04	0.11	<1	<2	11.1	<1	0.32

PMY 506 – 22 Crawford Bay continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-11-19 09:27	0.04	<1	<2	11.1	<1	0.26
2020-11-22 10:15	0.36	<1	8	11.1	<1	0.26
2020-11-24 11:10	0.09	<1	2	11.7	<1	0.27
2020-11-27 11:37	0.08	<1	4	10.6	<1	0.37
2020-12-01 11:21	0.13	<1	2	10.7	<1	0.25
2020-12-03 12:45	0	<1	10	10.6	<1	0.25
2020-12-10 11:37	0.06	<1	6	8.7	<1	0.45
2020-12-15 12:01	0.19	<1	4	7.9	<1	0.38
2020-12-22 08:47	0.14	<1	NA	7.6	<1	0.45
2020-12-31 11:13	0.24	<1	NA	8.4	<1	0.31
2020-07-30 07:33	0.29	<1	8	17	<1	0.26
2020-07-31 12:38	0.47	<1	<2	16.3	<1	0.36
2020-08-01 07:57	0.39	<1	<2	16.4	<1	0.27
2020-10-17 07:38	0	<1	210	15.8	<1	0.33
2020-10-18 08:23	0.43	<1	170	15.4	<1	0.53
2020-10-19 10:49	0.04	<1	46	14.4	<1	0.62

PMY 507 – 206 Edward Crescent

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 09:02	0.48	<1	<2	7.5	<1	0.32
2020-01-07 08:00	0.26	<1	<2	7.2	<1	0.27
2020-01-08 08:21	0.36	<1	2	7.4	<1	0.32
2020-01-14 08:54	0.39	<1	<2	6	<1	0.28
2020-01-21 07:19	0.46	<1	<2	6.1	<1	0.25
2020-01-29 09:04	0.57	<1	42	6.7	<1	0.31
2020-02-05 08:54	0.53	<1	<2	6.3	<1	0.97
2020-02-12 08:45	0.54	<1	<2	6.3	<1	0.73
2020-02-13 11:19	0.76	<1	<2	5.7	<1	0.65
2020-02-20 07:32	0.44	<1	<2	4.5	<1	0.5
2020-02-22 09:00	0.47	<1	<2	5.7	<1	0.49
2020-02-27 08:05	0.27	<1	<2	6.2	<1	0.62
2020-03-04 09:39	0.18	<1	<2	6.3	<1	0.49
2020-03-09 08:58	0.36	<1	<2	5.4	<1	0.44
2020-03-21 07:09	0.63	<1	<2	6.5	<1	0.44
2020-03-24 09:06	0.58	<1	<2	5.7	<1	0.45
2020-03-31 09:08	0.4	<1	<2	6	<1	0.42
2020-04-08 07:22	0.61	<1	<2	7	<1	0.33
2020-04-17 08:04	0.52	<1	<2	8.8	<1	0.34
2020-04-23 08:02	0.57	<1	<2	9.4	<1	0.41
2020-04-29 07:56	0.4	<1	<2	9.5	<1	2.3
2020-05-06 07:53	0.66	<1	<2	9.9	<1	0.28
2020-05-13 08:10	0.66	<1	<2	11	<1	0.26
2020-05-14 07:48	0.48	<1	<2	9	<1	0.37
2020-05-21 08:54	0.49	<1	<2	8.1	<1	0.36
2020-05-27 10:00	0.55	<1	<2	9.5	<1	0.26
2020-06-02 07:54	0.6	<1	<2	11.8	<1	0.35
2020-06-03 08:15	0.58	<1	<2	12	<1	0.2
2020-06-04 08:57	0.39	<1	2	11.9	<1	0.25
2020-06-09 09:44	0.37	<1	<2	12.7	<1	0.25
2020-06-12 11:58	0.6	<1	<2	13.3	<1	0.32
2020-06-16 09:30	0.53	<1	<2	11.1	<1	0.27
2020-06-23 09:21	0.42	<1	<2	13.7	<1	0.22
2020-06-25 07:39	0.65	<1	<2	13.3	<1	0.3
2020-06-26 11:25	0.62	<1	<2	13.2	<1	0.28
2020-07-02 13:14	0.54	<1	<2	14	<1	0.42
2020-07-07 10:02	0.59	<1	<2	13.1	<1	1.8
2020-07-10 08:11	0.64	<1	<2	14	<1	0.25
2020-07-16 07:53	0.63	<1	<2	13.9	<1	0.23
2020-07-23 09:11	0.31	<1	<2	15.4	<1	0.28
2020-07-28 08:48	0.46	<1	<2	15.2	<1	0.33
2020-07-30 12:11	0.41	<1	<2	15.8	<1	0.35
2020-07-31 08:30	0.58	<1	<2	15.3	<1	0.25
2020-08-06 10:27	0.37	<1	4	16.6	<1	0.39
2020-08-12 08:09	0.42		30	15.3		10
2020-08-13 08:25	0.35	<1	<2	16.5	<1	0.22

PMY 507 – 206 Edward Crescent continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-08-20 08:06	0.24	<1	<2	17.3	<1	0.25
2020-08-27 10:25	0.36	<1	<2	17.1	<1	0.21
2020-09-04 08:25	0.33	<1	<2	17.3	<1	0.26
2020-09-09 12:49	0.29	<1	<2	15.1	<1	0.23
2020-09-16 11:10	0.25	<1	<2	17.1	<1	0.25
2020-09-24 07:34	0.25	<1	6	15.4	<1	0.27
2020-10-01 08:19	0.22	<1	20	16.4	<1	0.53
2020-10-06 09:04	0.11	<1	22	13.1	<1	0.47
2020-10-09 07:24	0.34	<1	<2	15.4	<1	0.55
2020-10-14 09:42	0.14	<1	<2	13.1	<1	0.38
2020-10-15 08:15	0.08	<1	120	14.1	<1	0.42
2020-10-21 10:07	0.14	<1	4	13.1	<1	0.43
2020-10-27 08:58	0.15	<1	8	11.7	<1	0.51
2020-11-03 10:56	0.18	<1	<2	11.4	<1	0.35
2020-11-05 09:00	0.1	<1	14	12	<1	0.34
2020-11-12 09:05	0.17	<1	<2	10	<1	0.37
2020-11-19 08:46	0.16	<1	<2	9.3	<1	0.25
2020-11-22 09:24	0.28	<1	4	9.7	<1	0.31
2020-11-24 09:10	0.15	<1	10	9.4	<1	0.3
2020-11-27 07:45	0.04	<1	8	9.7	<1	0.3
2020-12-01 09:16	0.27	<1	4	8.1	<1	0.29
2020-12-03 07:32	0.11	<1	2	8.9	<1	0.25
2020-12-10 09:02	0.2	<1	<2	8.1	<1	0.47
2020-12-15 09:07	0.19	<1	10	7.4	<1	1.5
2020-12-22 12:45	0.35	<1	NA	7.7	<1	0.38
2020-12-31 09:10	0.33	<1	NA	7.1	<1	0.43

PMY 508 – 518 Ailsa Avenue

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 12:45	0.4	<1	<2	7.6	<1	0.23
2020-01-07 07:03	0.36	<1	<2	7.5	<1	0.19
2020-01-08 07:10	0.4	<1	<2	7.9	<1	0.23
2020-01-14 07:35	0.4	<1	<2	6.2	<1	0.31
2020-01-21 10:24	0.5	<1	<2	6.3	<1	0.17
2020-01-29 12:03	0.65	<1	<2	7.2	<1	0.38
2020-02-05 07:56	0.4	<1	<2	5.9	<1	0.31
2020-02-12 09:49	0.36	<1	<2	6.3	<1	0.37
2020-02-20 10:38	0.42	<1	<2	6.9	<1	0.24
2020-02-22 12:08	0.36	<1	<2	6.7	<1	0.25
2020-02-27 07:08	0.33	<1	<2	7.1	<1	0.84
2020-03-04 12:45	0.65	<1	<2	7.5	<1	0.28
2020-03-05 13:42	0.32	<1	2	7	<1	0.35
2020-03-06 10:29	0.48	<1	<2	6.6	<1	0.35
2020-03-09 12:19	0.45	<1	<2	6.6	<1	0.35
2020-03-13 10:10	0.34	<1	<2	6.1	<1	0.27
2020-03-22 06:57	0.56	<1	<2	6	<1	0.26
2020-03-24 13:02	0.32	<1	<2	6.1	<1	0.28
2020-03-27 13:08	0.39	<1	<2	6.7	<1	0.27
2020-03-30 13:31	0.42	<1	<2	5.8	<1	0.5
2020-03-31 12:31	0.36	<1	<2	6.8	<1	0.24
2020-04-08 07:48	0.35	<1	<2	9.1	<1	0.34
2020-04-17 07:07	0.2	<1	<2	10.7	<1	0.44
2020-04-23 06:54	0.65	<1	<2	11.9	<1	0.28
2020-04-29 06:56	0.45	<1	<2	11.7	<1	0.21
2020-05-06 07:01	0.46	<1	4	11.7	<1	0.33
2020-05-11 13:02	0.42	<1	<2	9.6	<1	0.42
2020-05-13 07:04	0.15	<1	<2	13.6	<1	0.8
2020-05-14 12:49	0.46	<1	<2	10	<1	0.19
2020-05-21 11:19	0.37	<1	<2	8.9	<1	0.21
2020-05-27 13:12	0.33	<1	<2	10.7	<1	0.2
2020-06-02 06:55	0.38	<1	<2	14.3	<1	0.29
2020-06-03 07:04	0.41	<1	<2	14.3	<1	0.34
2020-06-04 12:55	0.28	<1	<2	14.7	<1	0.15
2020-06-08 13:23	0.5	<1	<2	14.8	<1	0.21
2020-06-09 13:27	0.29	<1	<2	15	<1	0.16
2020-06-12 12:58	0.48	<1	<2	14.8	<1	0.22
2020-06-16 12:49	0.29	<1	<2	15.3	<1	0.19
2020-06-23 13:27	0.26	<1	<2	16	<1	0.19
2020-06-24 13:12	0.38	<1	<2	16.2	<1	0.21
2020-06-25 13:35	0.05	<1	<2	16.3	<1	0.22
2020-07-02 11:53	0.27	<1	<2	16.8	<1	0.17
2020-07-07 12:44	0.32	<1	<2	16.4	<1	0.28
2020-07-10 12:36	0.3	<1	<2	17	<1	0.24
2020-07-16 08:15	0.25	<1	<2	16.7	<1	0.29
2020-07-17 13:18	0.29	<1	<2	17.4	<1	0.25
2020-07-23 12:29	0.32	<1	<2	18	<1	0.19

PMY 508 – 518 Ailsa Avenue continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-07-28 12:21	0.39	<1	<2	18.1	<1	0.18
2020-07-30 13:22	0.27	<1	<2	18.5	<1	0.27
2020-07-31 09:03	0.3	<1	2	17.9	<1	0.28
2020-08-06 12:53	0.18	<1	<2	19.2	<1	0.24
2020-08-12 07:03	0.21	<1	<2	18.2	<1	0.23
2020-08-20 07:02	0.12	<1	<2	18.6	<1	0.22
2020-08-27 11:08	0.26	<1	<2	18.7	<1	0.14
2020-09-04 07:10	0.12	<1	<2	18.6	<1	0.15
2020-09-09 13:58	0.24	<1	<2	19.1	<1	0.27
2020-09-16 13:30	0.21	<1	<2	19.7	<1	0.22
2020-09-24 10:47	0.13	<1	2	18	<1	0.18
2020-10-01 11:46	0.14	<1	<2	17.9	<1	0.25
2020-10-05 12:42	0.1	<1	6	17.8	<1	0.2
2020-10-06 13:19	0.17	<1	34	18	<1	0.2
2020-10-09 10:50	0.07	<1	40	17.1	<1	0.19
2020-10-14 13:19	0.11	<1	6	16.9	<1	0.17
2020-10-15 07:15	0.04	<1	4	15.5	<1	0.22
2020-10-21 12:54	0.19	<1	<2	15.3	<1	0.67
2020-10-27 12:57	0.35	<1	<2	12.9	<1	0.78
2020-10-30 13:25	0.16	<1	<2	13.8	<1	0.2
2020-11-04 07:37	0.23	<1	2	12.7	<1	0.18
2020-11-05 07:54	0.17	<1	<2	12.7	<1	0.24
2020-11-12 12:24	0.22	<1	<2	12.8	<1	0.28
2020-11-19 07:18	0.08	<1	<2	10.5	<1	0.14
2020-11-22 07:10	0.44	<1	2	10.7	<1	0.23
2020-11-24 12:41	0.23	<1	<2	9.3	<1	0.2
2020-11-30 14:03	0.27	<1	<2	8.8	<1	0.26
2020-12-01 12:38	0.21	<1	<2	9.9	<1	0.25
2020-12-03 06:43	0	<1	<2	9.7	<1	0.2
2020-12-10 13:11	0.51	<1	<2	8.1	<1	0.26
2020-12-15 13:32	0.28	<1	<2	9	<1	2.2
2020-12-22 10:23	0.35	<1	NA	7.8	<1	0.15
2020-12-31 12:48	0.42	<1	NA	8.4	<1	0.2

PMY 509 – 1240 Alderside Road

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 10:52	0.97	<1	<2	8.1	<1	0.47
2020-01-07 08:53	0.71	<1	<2	7.8	<1	0.23
2020-01-08 09:42	1.13	<1	<2	8.1	<1	0.51
2020-01-14 09:38	0.97	<1	<2	6.9	<1	0.34
2020-01-21 11:12	0.73	<1	<2	6.3	<1	0.25
2020-01-23 11:28	0.89	<1	<2	6.2	<1	0.39
2020-01-29 11:28	0.87	<1	<2	6.8	<1	0.31
2020-02-05 09:36	1.07	<1	6	7.2	<1	1.6
2020-02-12 13:20	0.71	<1	<2	7.2	<1	0.75
2020-02-13 12:18	1.03	<1	<2	5.9	<1	0.57
2020-02-20 09:15	0.8	<1	<2	5.9	<1	0.48
2020-02-22 11:17	0.81	<1	<2	7.1	<1	0.45
2020-02-27 08:47	0.67	<1	<2	7.2	<1	0.47
2020-03-04 11:18	1.29	<1	<2	6.7	<1	0.59
2020-03-06 09:53	0.77	<1	<2	5.9	<1	0.82
2020-03-09 10:53	0.85	<1	<2	5.6	<1	0.76
2020-03-22 07:35	0.85	<1	<2	7.6	<1	0.37
2020-03-24 10:53	0.67	<1	<2	6.1	<1	0.39
2020-03-31 10:52	0.69	<1	<2	6.6	<1	0.36
2020-04-08 11:45	1.13	<1	<2	8.9	<1	0.43
2020-04-17 08:45	0.32	<1	<2	10.2	<1	0.47
2020-04-23 08:41	0.4	<1	<2	11	<1	0.29
2020-04-29 08:40	0.37	<1	<2	11.1	<1	0.38
2020-05-06 08:36	0.39	<1	<2	11.4	<1	0.47
2020-05-13 08:45	0.24	<1	<2	12.6	<1	0.31
2020-05-14 10:32	0.35	<1	6	9.2	<1	0.31
2020-05-21 10:44	0.12	<1	2	10.2	<1	0.28
2020-05-27 11:44	0.6	<1	<2	10.2	<1	0.32
2020-06-02 08:38	0.01	<1	<2	13.8	<1	0.41
2020-06-03 08:52	0.5	<1	<2	13.5	<1	0.27
2020-06-04 11:07	0.06	<1	<2	13.8	<1	0.26
2020-06-09 12:08	0.12	<1	<2	14	<1	0.25
2020-06-16 11:54	0.15	<1	2	14.8	<1	0.22
2020-06-23 11:49	0.19	<1	<2	13	<1	0.22
2020-07-02 10:55	0.2	<1	<2	14.9	<1	0.23
2020-07-07 11:28	0.19	<1	<2	15.3	<1	0.26
2020-07-16 11:11	0.1	<1	<2	14.8	<1	0.23
2020-07-17 12:52	0.33	<1	<2	15.7	<1	0.34
2020-07-23 11:06	0.88	<1	<2	14.1	<1	0.24
2020-07-28 10:37	0.71	<1	<2	17	<1	0.23
2020-07-31 12:47	0.46	<1	<2	17	<1	0.4
2020-08-07 10:13	0.06	<1	<2	17.9	<1	0.32
2020-08-12 08:59	0.79	<1	<2	17.6	<1	0.41
2020-08-20 09:01	0.61	<1	<2	18.1	<1	0.25
2020-08-27 13:18	0.13	<1	<2	16.7	<1	0.21
2020-09-04 11:23	0.87	<1	<2	17.2	<1	0.37
2020-09-10 10:14	0.77	<1	<2	16.4	<1	0.25

PMY 509 – 1240 Alderside Road continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-09-16 12:22	0.16	<1	<2	18.1	<1	0.42
2020-09-24 09:13	0.49	<1	<2	15.9	<1	0.24
2020-10-01 09:51	0.53	<1	<2	15.7	<1	0.4
2020-10-05 11:09	0.66	<1	<2	15.1	<1	0.75
2020-10-06 11:30	0.48	<1	<2	15.2	<1	0.52
2020-10-14 11:53	0.63	<1	2	14.2	<1	0.42
2020-10-15 10:19	0.42	<1	<2	15.2	<1	0.5
2020-10-21 11:57	0.58	<1	<2	11.4	<1	0.63
2020-10-27 12:03	0.36	<1	<2	13.6	<1	0.48
2020-10-30 12:58	0.38	<1	<2	14	<1	0.45
2020-11-03 12:51	0.3	<1	<2	10.8	<1	0.27
2020-11-04 10:24	0.67	<1	<2	10.8	<1	0.49
2020-11-05 09:37	0.38	<1	2	12.4	<1	0.38
2020-11-12 10:47	0.55	<1	2	10	<1	0.37
2020-11-19 09:33	0.55	<1	4	10.4	<1	0.2
2020-11-22 10:23	0.41	<1	<2	10.3	<1	0.26
2020-11-24 11:05	0.15	<1	<2	8.9	<1	0.32
2020-11-27 11:43	0.58	<1	<2	9.3	<1	0.32
2020-12-01 11:07	0.56	<1	<2	9.6	<1	0.24
2020-12-03 13:00	0.64	<1	<2	9.6	<1	0.25
2020-12-10 11:17	0.53	<1	<2	7.8	<1	0.43
2020-12-15 11:43	0.63	<1	<2	8	<1	0.27
2020-12-22 08:36	0.6	<1	NA	6.6	<1	0.39
2020-12-31 10:51	0.67	<1	NA	7.8	<1	0.35

PMY 510 – 2000 Panorama Drive

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 10:11	0.48	<1	12	7.8	<1	0.26
2020-01-07 09:21	0.26	<1	6	7	<1	0.33
2020-01-08 10:17	0.65	<1	72	7.3	<1	0.31
2020-01-23 10:46	0.94	<1	10	6.7	<1	0.39
2020-01-29 10:31	0.92	<1	30	6	<1	0.37
2020-02-05 10:02	0.79	<1	26	5.1	<1	1.2
2020-02-12 11:25	0.79	<1	12	5.8	<1	0.87
2020-02-20 08:22	0.7	<1	6	4.9	<1	1.8
2020-02-22 10:11	0.91	<1	8	5.4	<1	0.73
2020-02-27 09:16	0.85	<1	2	5.5	<1	0.73
2020-03-04 10:24	0.98	<1	<2	5.8	<1	0.59
2020-03-09 09:55	0.51	<1	<2	5.7	<1	0.54
2020-03-22 08:05	0.95	<1	8	6.1	<1	0.59
2020-03-24 10:16	0.76	<1	<2	5.8	<1	0.5
2020-03-31 10:12	0.57	<1	2	5.8	<1	0.41
2020-04-08 11:02	0.74	<1	<2	6.8	<1	0.35
2020-04-17 09:18	0.43	<1	<2	7.9	<1	0.38
2020-04-23 09:08	0.96	<1	2	8.4	<1	0.35
2020-04-29 09:17	0.84	<1	<2	8.7	<1	0.73
2020-05-06 09:03	0.97	<1	4	9	<1	0.36
2020-05-13 09:10	0.44	<1	<2	10	<1	0.33
2020-05-14 09:26	0.82	<1	<2	9.1	<1	0.39
2020-05-21 09:59	0.88	<1	8	9.4	<1	0.48
2020-05-27 10:51	0.59	<1	<2	9.6	<1	0.33
2020-06-02 09:14	0.47	<1	<2	10.6	<1	0.39
2020-06-03 09:18	0.95	<1	58	10.5	<1	0.33
2020-06-04 10:01	0.67	<1	8	10.9	<1	0.27
2020-06-09 10:58	0.39	<1	4	11.1	<1	0.3
2020-06-16 11:05	0.46	<1	10	12	<1	0.29
2020-06-23 10:42	0.8	<1	6	12.8	<1	0.27
2020-07-02 10:17	0.93	<1	20	10.9	<1	0.25
2020-07-07 10:43	0.91	<1	10	12.8	<1	0.31
2020-07-16 10:07	1.07	<1	200	11.8	<1	0.31
2020-07-23 10:10	0.7	<1	16	12.1	<1	0.3
2020-07-28 09:33	0.32	<1	28	12.8	<1	0.28
2020-07-31 12:09	0.63	<1	220	12.4	<1	0.44
2020-08-06 11:15	0.73	<1	74	12.9	<1	0.3
2020-08-12 09:31	0.84	<1	56	14.6	<1	0.28
2020-08-20 09:33	0.75	<1	110	15	<1	0.31
2020-08-27 11:28	0.83	<1	190	14.9	<1	0.26
2020-09-04 10:02	0.61	<1	380	15	4	0.28
2020-09-10 09:42	0.88	<1	180	15.9	<1	0.34
2020-09-16 11:46	0.71	<1	160	16.1	<1	0.31
2020-09-24 08:30	0.71	<1	52	14.9	<1	0.32
2020-10-01 09:15	1.19	<1	140	14.9	<1	0.62
2020-10-06 10:39	0.85	<1	190	13.7	<1	0.64
2020-10-09 10:06	1.16	<1	280	13.9	<1	0.69

PMY 510 – 2000 Panorama Drive continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-10-14 10:55	0.17	<1	150	13.3	<1	0.5
2020-10-15 09:53	0.31	<1	150	13.7	<1	0.47
2020-10-21 11:02	0.48	<1	240	13.5	<1	0.47
2020-10-27 11:14	0.46	<1	190	11.1	<1	0.48
2020-10-30 12:25	0.52	<1	110	12.2	<1	0.45
2020-11-03 12:10	0.49	<1	180	10.3	<1	0.37
2020-11-05 10:03	0.8	<1	210	10.1	<1	0.34
2020-11-12 10:05	0.57	<1	120	10.4	<1	0.35
2020-11-19 10:02	0.87	<1	120	9.1	<1	0.32
2020-11-22 10:48	0.71	<1	200	9.4	<1	0.32
2020-11-24 10:22	0.51	<1	88	9.3	<1	0.29
2020-11-27 11:05	0.65	<1	3100	9	<1	0.5
2020-12-01 10:25	0.76	<1	94	8.3	<1	0.3
2020-12-03 11:46	0.77	<1	1900	8.7	<1	0.3
2020-12-10 10:31	0.77	<1	<2	8.9	<1	0.58
2020-12-15 10:26	0.71	<1	<2	7.8	<1	0.33
2020-12-22 07:59	0.62	<1	NA	6.8	<1	0.64
2020-12-31 10:04	0.75	<1	NA	7.3	<1	0.43
2020-09-05 08:32	0.73	<1	200	15.6	<1	0.37
2020-09-06 08:56	0.92	<1	110	15.2	<1	0.27
2020-09-07 08:53	0.84	<1	130	15.8	<1	0.42

PMY 511 – 2701 Clarke Street

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 12:29	0.28	<1	<2	7.8	<1	0.29
2020-01-07 07:20	0.31	<1	<2	7.5	<1	0.28
2020-01-08 07:38	0.2	<1	2	8	<1	0.25
2020-01-10 11:33	0.51	<1	14	6.3	<1	0.39
2020-01-14 08:01	0.32	<1	<2	7	<1	0.29
2020-01-21 07:07	0.33	<1	<2	6.4	<1	0.27
2020-01-23 12:41	0.48	<1	<2	7	<1	0.36
2020-01-29 11:42	0.36	<1	<2	7.3	<1	0.23
2020-02-04 13:05	0.77	<1	<2	5.1	<1	1
2020-02-05 08:16	0.44	<1	<2	6.8	<1	0.82
2020-02-12 08:54	0.51	<1	<2	6.7	<1	0.78
2020-02-20 10:09	0.49	<1	<2	5.6	<1	0.44
2020-02-22 09:08	0.43	<1	<2	6.5	<1	0.48
2020-02-27 07:26	0.4	<1	<2	6.7	<1	0.48
2020-03-04 12:34	0.73	<1	<2	6.5	<1	0.45
2020-03-06 10:19	0.78	<1	<2	7.1	<1	0.49
2020-03-09 12:09	0.57	<1	<2	6.1	<1	0.42
2020-03-13 09:53	0.4	<1	<2	5.5	<1	0.4
2020-03-21 07:27	0.44	<1	<2	5	<1	0.35
2020-03-24 12:45	0.48	<1	<2	6.8	<1	0.39
2020-03-31 12:19	0.42	<1	<2	6.2	<1	0.4
2020-04-08 07:30	0.39	<1	2	7.3	<1	0.32
2020-04-17 07:25	0.27	<1	<2	8.8	<1	0.38
2020-04-23 07:22	0.41	<1	<2	9.8	<1	0.32
2020-04-29 07:16	0.23	<1	<2	10.4	<1	0.26
2020-05-06 07:22	0.25	<1	<2	10.8	<1	0.29
2020-05-13 07:25	0.3	<1	<2	11.7	<1	0.27
2020-05-14 11:56	0.34	<1	<2	9.3	<1	0.3
2020-05-21 11:08	0.37	<1	2	8.8	<1	0.31
2020-05-27 13:01	0.38	<1	<2	10.5	<1	0.26
2020-06-02 07:12	0.17	<1	<2	13.1	<1	0.39
2020-06-03 07:23	0.47	<1	<2	12.9	<1	0.2
2020-06-04 12:44	0.54	<1	<2	12.8	<1	0.23
2020-06-09 13:12	0.41	<1	<2	12.3	<1	0.36
2020-06-16 12:33	0.39	<1	<2	12.8	<1	0.24
2020-06-23 13:12	0.51	<1	<2	11.9	<1	0.23
2020-06-24 12:57	0.45	<1	<2	13.1	<1	0.2
2020-07-02 11:41	0.49	<1	<2	13.8	<1	0.28
2020-07-07 12:30	0.51	<1	<2	14	<1	0.45
2020-07-16 08:31	0.39	<1	<2	14.8	<1	0.19
2020-07-23 12:20	0.28	<1	<2	16.1	<1	0.25
2020-07-28 12:08	0.27	<1	<2	15.1	<1	0.28
2020-07-31 09:18	0.38	<1	<2	16	<1	0.27
2020-08-06 12:42	0.33	<1	<2	14.9	<1	0.24
2020-08-12 07:21	0.22	<1	<2	16.7	<1	0.22
2020-08-20 07:21	0.13	<1	<2	17.3	<1	0.22
2020-08-27 10:39	0.15	<1	<2	16.9	<1	0.27

PMY 511 – 2701 Clarke Street continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-09-04 07:21	0.31	<1	<2	16.8	<1	0.21
2020-09-09 13:49	0.23	<1	<2	16.7	<1	0.25
2020-09-16 13:20	0.31	<1	<2	16.4	<1	0.29
2020-09-24 10:39	0.18	<1	<2	15.8	<1	0.24
2020-10-01 11:33	0.19	<1	12	14.8	<1	0.48
2020-10-05 12:32	0.21	<1	2	14.1	<1	0.52
2020-10-14 13:08	0.25	<1	<2	13	<1	0.31
2020-10-15 07:32	0.07	<1	4	14.5	<1	0.43
2020-10-21 12:38	0.14	<1	4	14.4	<1	0.46
2020-10-27 12:48	0.19	<1	2	12.1	<1	0.45
2020-11-04 08:03	0.11	<1	2	10.9	<1	0.33
2020-11-05 08:09	0.03	<1	18	12.2	<1	0.37
2020-11-12 12:00	0.18	<1	6	10	<1	0.31
2020-11-19 08:05	0.18	<1	2	10	<1	0.22
2020-11-22 08:30	0.28	<1	12	10	<1	0.33
2020-11-24 12:17	0.27	<1	<2	9.1	<1	0.27
2020-11-27 07:24	0.07	<1	<2	9.7	<1	0.32
2020-12-01 12:19	0.35	<1	<2	9.3	<1	0.29
2020-12-03 07:21	0.11	<1	<2	8	<1	0.25
2020-12-10 12:42	0.25	<1	<2	7.8	<1	0.5
2020-12-15 13:04	0.36	<1	<2	8.6	<1	0.35
2020-12-22 09:52	0.23	<1	NA	7.5	<1	0.43
2020-12-31 11:55	0.36	<1	NA	7.7	<1	0.42

PMY 512 – 202 Cecile Drive

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 13:00	0.69	<1	<2	7.6	<1	0.1
2020-01-06 12:32	0.66	<1	<2	7.1	<1	0.19
2020-01-07 07:11	0.54	<1	<2	6.3	<1	0.16
2020-01-08 07:24	0.66	<1	<2	6.4	<1	0.16
2020-01-10 11:53	0.66	<1	4	6.3	<1	0.14
2020-01-14 12:10	0.64	<1	<2	5.3	<1	0.26
2020-01-21 10:33	0.56	<1	<2	4.6	<1	0.16
2020-01-23 13:06	0.59	<1	<2	6.1	<1	0.23
2020-01-29 11:54	0.87	<1	<2	6.7	<1	0.15
2020-02-04 13:28	0.63	<1	<2	5.8	<1	0.21
2020-02-05 08:05	0.46	<1	<2	5.4	<1	0.25
2020-02-12 09:37	0.59	<1	<2	5.6	<1	0.41
2020-02-20 10:59	0.47	<1	<2	5.8	<1	0.18
2020-02-22 11:55	0.48	<1	<2	5	<1	0.17
2020-02-27 07:16	0.48	<1	<2	5.5	<1	0.18
2020-03-04 12:57	0.64	<1	<2	6.9	<1	0.26
2020-03-06 10:42	0.45	<1	<2	6.3	<1	0.31
2020-03-09 12:33	0.44	<1	<2	5.9	<1	0.22
2020-03-13 10:24	0.41	<1	<2	6	<1	0.18
2020-03-22 07:08	0.66	<1	<2	6	<1	0.2
2020-03-24 13:25	0.47	<1	<2	6	<1	0.24
2020-03-27 13:22	0.53	<1	<2	7	<1	0.18
2020-03-30 13:39	0.4	<1	<2	6.6	<1	0.27
2020-03-31 12:40	0.29	<1	<2	6	<1	0.24
2020-04-08 07:40	0.59	<1	<2	7.1	<1	0.16
2020-04-17 07:17	0.48	<1	<2	8.6	<1	0.24
2020-04-23 07:10	0.46	<1	<2	10.1	<1	0.21
2020-04-29 07:07	0.6	<1	<2	10.3	<1	0.11
2020-05-06 07:11	0.6	<1	<2	10.4	<1	0.12
2020-05-13 07:15	0.5	<1	<2	12.3	<1	0.16
2020-05-14 12:16	0.53	<1	<2	9	<1	0.23
2020-05-21 11:27	0.48	<1	<2	8.1	<1	0.13
2020-05-27 13:24	0.58	<1	<2	9.6	<1	0.16
2020-06-02 07:04	0.6	<1	<2	12.7	<1	0.19
2020-06-03 07:14	0.49	<1	<2	12.9	<1	0.1
2020-06-04 13:07	0.31	<1	<2	12.8	<1	0.12
2020-06-09 13:38	0.49	<1	<2	12.9	<1	0.17
2020-06-16 13:10	0.39	<1	<2	13	<1	0.11
2020-06-23 13:43	0.43	<1	<2	13.7	<1	0.14
2020-06-24 13:30	0.52	<1	<2	13.3	<1	0.16
2020-06-25 13:44	0.62	<1	<2	15.1	<1	0.16
2020-07-02 12:03	0.34	<1	<2	14.9	<1	0.11
2020-07-07 12:54	0.37	<1	<2	13.3	<1	0.14
2020-07-10 12:20	0.61	<1	<2	13	<1	0.18
2020-07-16 08:06	0.68	<1	<2	15.1	<1	0.26
2020-07-17 13:26	0.3	<1	<2	13.3	<1	0.17
2020-07-23 12:45	0.37	<1	<2	15.3	<1	0.19

PMY 512 – 202 Cecile Drive continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-07-28 12:31	0.33	<1	<2	17.2	<1	0.24
2020-07-30 13:32	0.37	<1	<2	17.6	<1	0.27
2020-07-31 08:47	0.58	<1	2	16.9	<1	0.26
2020-08-06 13:05	0.23	<1	<2	15.5	<1	0.15
2020-08-12 07:13	0.42	<1	<2	16.4	<1	0.17
2020-08-20 07:11	0.41	<1	4	17.8	<1	0.17
2020-08-27 10:52	0.51	<1	<2	16.8	<1	0.21
2020-09-04 06:59	0.39	<1	<2	16.6	<1	0.14
2020-09-09 14:07	0.41	<1	<2	16.8	<1	0.18
2020-09-16 13:39	0.38	<1	<2	15.8	<1	0.2
2020-09-24 10:56	0.38	<1	2	16	1	0.15
2020-09-30 07:06	0.61	<1	<2	14.9	<1	0.18
2020-10-01 11:58	0.36	<1	<2	16.1	<1	0.17
2020-10-05 12:53	0.31	<1	<2	15.6	<1	0.17
2020-10-06 13:01	0.42	<1	<2	14.6	<1	0.18
2020-10-09 11:16	0.33	<1	4	15.5	<1	0.14
2020-10-14 13:29	0.28	<1	<2	14.1	<1	0.14
2020-10-15 07:24	0.3	<1	<2	13.4	<1	0.24
2020-10-21 13:18	0.38	<1	<2	13.1	<1	0.34
2020-10-27 13:12	0.4	<1	<2	12.6	<1	0.22
2020-10-30 13:39	0.22	<1	<2	11.1	<1	0.16
2020-11-04 07:47	0.3	<1	<2	11.4	<1	0.21
2020-11-05 08:01	0.42	<1	<2	10.6	<1	0.16
2020-11-12 12:33	0.48	<1	<2	9.9	<1	0.2
2020-11-19 07:26	0.42	<1	<2	8.6	<1	0.12
2020-11-22 08:19	0.44	<1	<2	9	<1	0.22
2020-11-24 13:02	0.25	<1	<2	9.6	<1	0.19
2020-12-01 12:50	0.51	<1	<2	8.9	<1	0.17
2020-12-03 06:51	0.61	<1	<2	8	<1	0.12
2020-12-10 13:23	0.51	<1	<2	8	<1	0.1
2020-12-15 13:43	0.57	<1	<2	8.2	<1	0.1
2020-12-22 10:46	0.51	<1	NA	7.4	<1	0.11
2020-12-31 13:04	0.51	<1	NA	8.1	<1	0.14
2020-09-26 13:13	0.45	<1	<2	13.8	<1	0.25
2020-09-28 07:25	0.25	<1	<2	15.2	<1	0.14
2020-09-29 08:57	0.46	<1	2	15.6	<1	0.16

PMY 513 – 485 Guildford Drive

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 11:29	0.91	<1	<2	7.3	<1	0.42
2020-01-07 09:45	0.89	<1	<2	5.8	<1	0.34
2020-01-08 11:19	0.72	<1	<2	6.3	<1	0.47
2020-01-14 10:35	0.77	<1	<2	5	<1	0.36
2020-01-23 11:54	0.78	<1	2	5.9	<1	0.4
2020-01-29 10:16	0.79	<1	<2	6	<1	0.31
2020-02-05 10:28	0.84	<1	<2	5.5	<1	1.2
2020-02-12 11:11	0.67	<1	<2	5.1	<1	0.91
2020-02-20 09:49	0.6	<1	<2	5.3	<1	0.62
2020-02-22 09:58	0.69	<1	<2	5.2	<1	0.62
2020-02-27 09:48	0.8	<1	<2	5.8	<1	0.73
2020-03-04 11:52	1	<1	<2	7.2	<1	0.54
2020-03-09 11:16	0.72	<1	<2	5.8	<1	0.44
2020-03-22 07:22	0.99	<1	<2	5.8	<1	0.42
2020-03-24 11:46	0.86	<1	<2	6.6	<1	0.47
2020-03-31 11:28	0.71	<1	<2	7	<1	0.44
2020-04-08 10:48	1.09	<1	<2	7.3	<1	0.42
2020-04-17 09:40	0.71	<1	2	8.3	<1	0.36
2020-04-23 09:48	0.96	<1	2	9	<1	0.32
2020-04-29 09:49	0.62	<1	<2	8.7	<1	0.31
2020-05-06 09:31	1.03	<1	<2	8.7	<1	0.35
2020-05-13 09:38	0.85	<1	<2	9.8	<1	0.29
2020-05-14 11:41	0.84	<1	<2	8.9	<1	0.37
2020-05-21 10:58	0.81	<1	<2	9.2	<1	0.51
2020-05-27 12:14	0.86	<1	<2	9.9	<1	0.33
2020-06-02 09:37	0.94	<1	<2	10.7	<1	1.1
2020-06-03 09:53	1.05	<1	<2	10	<1	0.27
2020-06-09 12:33	0.77	<1	<2	12.2	<1	0.29
2020-06-16 12:24	0.35	<1	<2	12.5	<1	0.23
2020-06-23 12:24	0.95	<1	2	11.9	<1	0.22
2020-06-25 11:46	1.04	<1	<2	12	<1	0.24
2020-07-02 11:20	0.87	<1	<2	14	<1	0.24
2020-07-07 11:51	0.75	<1	4	12.4	<1	0.27
2020-07-10 11:56	1.17	<1	<2	11	<1	0.26
2020-07-16 09:48	0.97	<1	<2	12.7	<1	0.31
2020-07-23 11:31	0.72	<1	<2	12.9	<1	0.29
2020-07-28 10:59	0.88	<1	<2	15.1	<1	0.26
2020-07-31 11:33	0.83	<1	<2	13.1	<1	0.27
2020-08-06 12:12	0.65	<1	<2	14.2	<1	0.23
2020-08-12 09:57	0.89	<1	<2	14.4	<1	0.27
2020-08-20 10:14	0.82	<1	<2	15.9	<1	0.3
2020-08-27 07:31	0.7	<1	<2	16	<1	0.21
2020-09-03 07:35	0.92	<1	<2	15.5	<1	0.29
2020-09-10 12:07	0.77	<1	<2	16.7	<1	0.26
2020-09-16 12:41	0.57	<1	<2	15.1	<1	0.25
2020-09-24 09:42	0.59	<1	12	15.8	16	0.24
2020-09-30 07:21	0.76	<1	<2	14	<1	0.63

PMY 513 – 485 Guildford Drive continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-10-01 10:41	0.72	<1	<2	14.7	<1	0.65
2020-10-05 11:37	0.61	<1	<2	14.5	<1	0.65
2020-10-14 12:24	0.52	<1	<2	14.5	<1	0.41
2020-10-15 10:30	0.5	<1	<2	13	<1	0.5
2020-10-21 12:26	0.44	<1	<2	12	<1	0.47
2020-10-27 12:26	0.65	<1	<2	11.9	<1	0.63
2020-10-28 06:46	0.65	<1	<2	11.9	<1	0.46
2020-11-03 13:14	0.63	<1	8	10	<1	0.32
2020-11-12 11:16	0.46	<1	<2	10.4	<1	0.4
2020-11-19 10:25	0.67	<1	<2	9	<1	0.3
2020-11-22 11:39	1	<1	<2	9.2	<1	0.35
2020-11-24 11:32	0.41	<1	2	9.3	<1	0.33
2020-11-27 10:52	0.69	<1	<2	9.1	<1	0.31
2020-12-01 11:33	0.15	<1	<2	9.2	<1	0.42
2020-12-03 11:14	0.57	<1	<2	8	<1	0.28
2020-12-10 11:59	0.84	<1	<2	7.9	<1	0.53
2020-12-15 12:14	0.8	<1	<2	8.1	<1	0.37
2020-12-22 09:00	0.76	<1	NA	6.8	<1	0.5
2020-12-31 11:35	0.77	<1	NA	7.8	<1	0.73
2020-09-26 11:34	0.68	<1	<2	14.1	<1	0.78
2020-09-28 07:43	0.52	<1	<2	14.9	<1	0.63
2020-09-29 08:42	0.87	<1	<2	14.3	<1	0.67

PMY 514 – 200 Parkside Drive

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 10:37	0.27	<1	50	8.2	<1	0.32
2020-01-07 09:04	0.17	<1	4	7.1	<1	0.27
2020-01-08 10:06	0.24	<1	<2	7.4	<1	0.29
2020-01-14 10:03	0.45	<1	<2	6	<1	0.34
2020-01-21 11:24	0.43	<1	<2	6	<1	0.24
2020-01-29 11:07	0.29	<1	12	6.4	<1	0.31
2020-02-05 09:47	0.36	<1	6	6.1	<1	0.96
2020-02-12 12:31	0.47	<1	2	6.2	<1	0.73
2020-02-13 11:59	0.45	<1	2	6.2	<1	0.65
2020-02-20 09:00	0.36	<1	<2	6	<1	0.59
2020-02-22 10:48	0.21	<1	<2	5.7	<1	0.53
2020-02-27 09:01	0.32	<1	<2	6.2	<1	0.5
2020-03-04 11:01	0.64	<1	<2	5.9	<1	0.59
2020-03-06 09:40	0.67	<1	<2	6.1	<1	0.57
2020-03-09 10:28	0.27	<1	<2	5.9	<1	0.43
2020-03-22 08:20	0.48	<1	<2	6.6	<1	0.44
2020-03-24 10:40	0.44	<1	<2	6	<1	0.39
2020-03-31 10:36	0.37	<1	<2	6.8	<1	0.41
2020-04-06 13:21	0.28	<1	<2	6.1	<1	1.2
2020-04-17 09:01	0.46	<1	2	7.6	<1	0.43
2020-04-23 08:56	0.41	<1	<2	7.6	<1	0.32
2020-04-29 08:56	0.3	<1	<2	8.5	<1	0.32
2020-05-06 08:52	0.37	<1	<2	9.6	<1	0.31
2020-05-13 08:59	0.3	<1	<2	10.8	<1	0.29
2020-05-15 13:12	0.35	<1	<2	9.1	<1	0.34
2020-05-21 10:19	0.27	<1	14	9.4	<1	0.28
2020-05-27 11:26	0.27	<1	<2	10.3	<1	0.3
2020-06-02 08:59	0.31	<1	<2	12	<1	0.51
2020-06-03 09:08	0.34	<1	<2	12	<1	0.3
2020-06-04 10:48	0.19	<1	<2	12.7	<1	0.24
2020-06-09 11:55	0.15	<1	<2	11.8	<1	0.25
2020-06-16 11:41	0.16	<1	6	11	<1	0.22
2020-06-23 11:35	0.16	<1	<2	13.1	<1	0.2
2020-07-02 10:43	0.23	<1	<2	14	<1	0.2
2020-07-07 11:15	0.22	<1	<2	15.1	<1	0.27
2020-07-16 10:59	0.34	<1	<2	13.9	<1	0.21
2020-07-17 12:39	0.19	<1	<2	14.2	<1	0.24
2020-07-23 10:43	0.3	<1	<2	13.1	<1	0.25
2020-07-28 10:01	0.3	<1	<2	14.5	<1	0.27
2020-07-31 12:23	0.53	<1	<2	14.7	<1	0.27
2020-08-07 10:00	0.1	<1	6	15.5	<1	0.32
2020-08-12 09:14	0.18	<1	8	14.7	<1	0.29
2020-08-20 09:15	0.13	<1	<2	16.3	<1	0.25
2020-08-27 12:00	0.19	<1	6	15	<1	0.21
2020-09-04 11:49	0.21	<1	<2	16	<1	0.25
2020-09-10 10:03	0.29	<1	16	16.8	<1	0.31
2020-09-16 12:08	0.23	<1	<2	17	<1	0.28

PMY 514 – 200 Parkside Drive continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-09-24 08:58	0.17	<1	18	16.7	<1	0.23
2020-10-01 09:39	0.15	<1	30	16	<1	0.49
2020-10-05 10:57	0.11	<1	72	14.6	<1	0.41
2020-10-06 11:16	0.17	<1	24	16.2	<1	0.55
2020-10-14 11:33	0.13	<1	160	15.7	<1	0.45
2020-10-15 09:38	0.02	<1	170	15	<1	0.44
2020-10-21 11:43	0.12	<1	140	11.9	<1	0.38
2020-10-27 11:45	0.26	<1	910	14	<1	0.41
2020-10-30 12:40	0.11	<1	390	13	<1	0.41
2020-11-03 12:37	0.11	<1	250	12.3	<1	0.26
2020-11-04 10:12	0.19	<1	230	12	<1	0.32
2020-11-05 09:48	0.04	<1	210	11.9	<1	0.37
2020-11-12 10:31	0.13	<1	380	12.2	<1	0.43
2020-11-19 09:44	0.03	<1	180	9.6	<1	0.27
2020-11-22 10:38	0.1	<1	170	9.9	<1	0.33
2020-11-24 10:48	0.11	<1	160	9.7	<1	0.3
2020-11-27 11:26	0	<1	110	9.6	<1	0.27
2020-12-01 10:49	0.18	<1	150	9.7	<1	0.26
2020-12-10 11:04	0.19	<1	48	8.1	<1	0.42
2020-12-15 11:20	0.14	<1	LA [Contamination.]	7.6	<1	0.33
2020-12-22 08:23	0.16	<1	NA	6.9	<1	0.39
2020-12-31 10:30	0.19	<1	NA	7.9	<1	0.47

PMY 515 – Hickory Reservoir

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-01-03 10:25	0.55	<1	<2	6.5	<1	0.31
2020-01-07 09:30	0.39	<1	<2	6	<1	0.31
2020-01-23 10:59	0.62	<1	<2	5.9	<1	0.33
2020-01-29 10:42	0.53	<1	<2	5.7	<1	0.37
2020-02-05 10:15	0.23	<1	<2	5.2	<1	0.95
2020-02-12 12:14	0.54	<1	<2	5	<1	0.91
2020-02-20 08:32	0.44	<1	<2	4.4	<1	0.64
2020-02-22 10:32	0.4	<1	<2	5.4	<1	0.68
2020-02-27 09:25	0.51	<1	2	5.3	<1	0.57
2020-03-04 10:38	0.64	<1	<2	5.8	<1	0.57
2020-03-09 10:10	0.33	<1	<2	4.7	<1	0.55
2020-03-24 10:24	0.55	<1	<2	6.3	<1	0.49
2020-03-31 10:17	0.42	<1	<2	5.4	<1	0.52
2020-04-08 11:13	0.43	<1	<2	6.2	<1	0.4
2020-04-17 09:27	0.43	<1	<2	7.2	<1	0.41
2020-04-24 10:14	0.51	<1	<2	7.7	<1	0.38
2020-04-29 09:29	0.27	<1	<2	7.9	<1	0.39
2020-05-06 09:14	0.6	<1	<2	8.3	<1	0.34
2020-05-13 09:24	0.42	<1	<2	8.9	<1	0.36
2020-05-15 12:43	0.4	<1	<2	7.9	<1	0.36
2020-05-21 10:09	0.46	<1	<2	7.9	<1	0.46
2020-05-27 11:05	0.36	<1	2	10	<1	0.35
2020-06-02 09:22	0.42	<1	<2	9.5	<1	0.39
2020-06-03 09:30	0.6	<1	<2	9.6	<1	0.28
2020-06-04 10:12	0.25	<1	<2	9.9	<1	0.31
2020-06-09 11:08	0.31	<1	<2	10	<1	0.33
2020-06-16 11:14	0.4	<1	<2	9.8	<1	0.27
2020-06-23 10:57	0.34	<1	<2	12	<1	0.28
2020-07-02 10:26	0.3	<1	<2	10.4	<1	0.27
2020-07-07 11:00	0.33	<1	<2	12.3	<1	0.49
2020-07-16 10:20	0.66	<1	<2	11.7	<1	0.28
2020-07-23 10:19	0.33	<1	<2	12.8	<1	0.31
2020-07-28 09:43	0.45	<1	6	13.7	<1	0.3
2020-08-06 11:28	0.23	<1	<2	14.8	<1	0.3
2020-08-12 09:40	0.27	<1	<2	13.7	<1	0.28
2020-08-20 09:42	0.26	<1	<2	14.6	<1	0.27
2020-08-27 11:39	0.25	<1	<2	14.9	<1	0.24
2020-09-04 12:05	0.31	<1	<2	15.3	<1	0.37
2020-09-10 09:52	0.35	<1	4	15.1	<1	0.32
2020-09-16 11:56	0.32	<1	<2	15.9	<1	0.37
2020-09-24 08:41	0.2	<1	<2	12.8	<1	0.26
2020-10-01 09:27	0.23	<1	<2	15.4	<1	0.45
2020-10-06 10:56	0.29	<1	2	13.7	<1	0.63
2020-10-14 11:07	0.17	<1	52	12.7	<1	0.51
2020-10-15 10:02	0.14	<1	44	12.8	<1	0.52
2020-10-21 11:19	0.13	<1	28	11.1	<1	0.51
2020-10-27 11:24	0.23	<1	120	11.1	<1	0.51

PMY 515 – Hickory Reservoir continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-11-03 12:22	0.2	<1	22	10.8	<1	0.39
2020-11-05 10:12	0.21	<1	22	10.7	<1	0.43
2020-11-12 10:18	0.23	<1	80	9.6	<1	0.37
2020-11-19 10:10	0.35	<1	<2	8.9	<1	0.32
2020-11-22 11:21	0.36	<1	<2	9	<1	0.36
2020-11-24 10:36	0.26	<1	18	7.9	<1	0.3
2020-11-27 11:13	0.32	<1	<2	8.9	<1	0.32
2020-12-01 10:34	0.37	<1	<2	7.4	<1	0.33
2020-12-10 10:47	0.29	<1	<2	6.9	<1	0.37
2020-12-15 10:54	0.31	<1	<2	7	<1	0.41
2020-12-31 10:13	0.41	<1	NA	6.3	<1	0.46

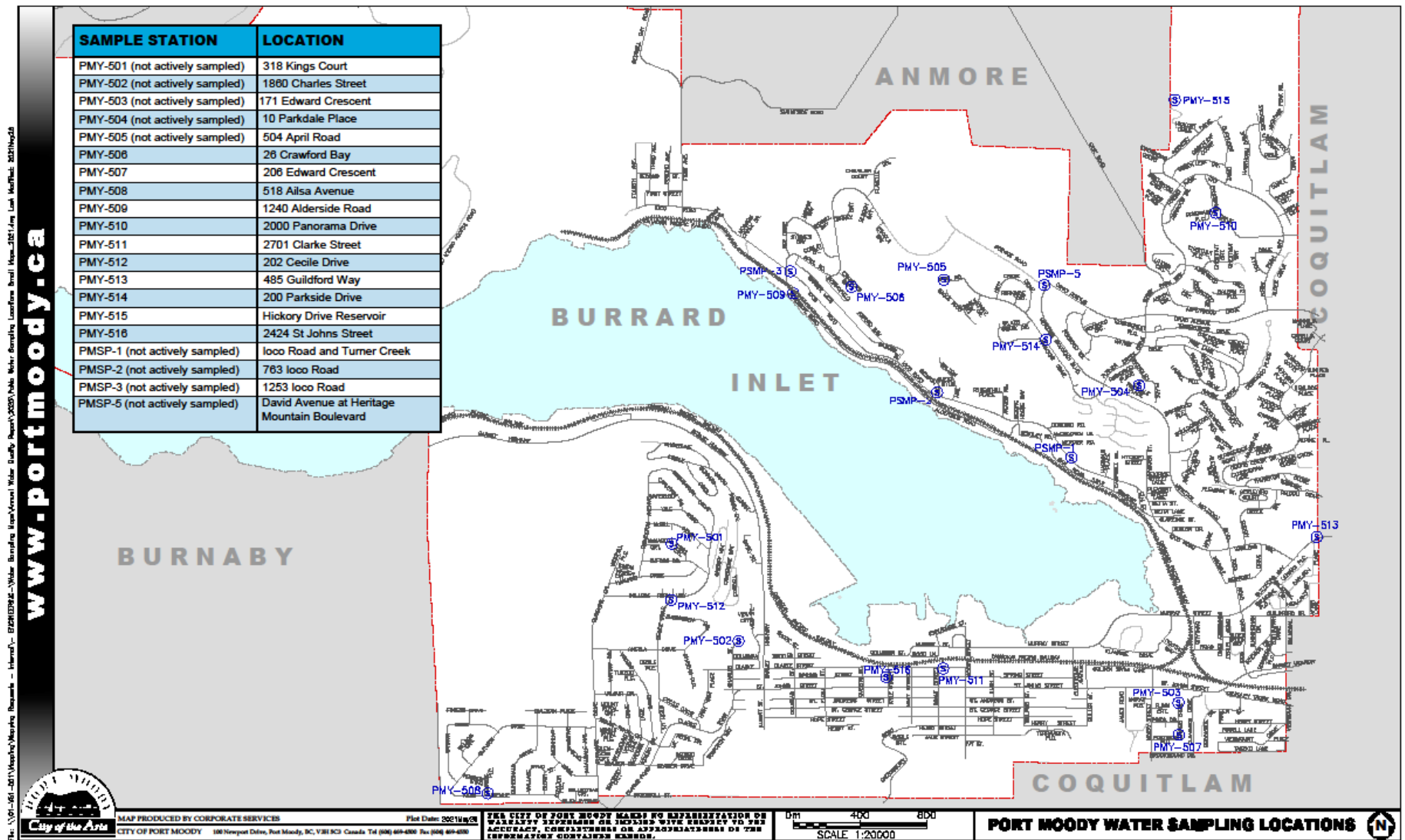
PMY 516 – 2424 St. Johns Street

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2020-11-19 08:00	0.41	<1	26	8	<1	0.4
2020-11-24 12:29	0.3	<1	<2	9.2	<1	0.35
2020-11-30 13:52	0.23	<1	<2	8.8	<1	0.68
2020-12-01 12:25	0.31	<1	<2	8.8	<1	0.27
2020-12-03 07:09	0.38		<2	7.7		6.9
2020-12-04 06:51	0.53	<1	<2	8	<1	0.3
2020-12-10 12:59	0.35	<1	<2	8.4	<1	0.61
2020-12-15 13:20	0.4	<1	<2	7.6	<1	0.51
2020-12-22 10:15	0.38	<1	NA	8	<1	0.49
2020-12-31 12:10	0.55	<1	NA	8	<1	0.64

Appendix #2

Sample Station Locations

2019 Annual Water Quality Report



Appendix #3

Metals Monitoring

2020 Metals Monitoring Data for GCDWQ Parameters

January-June 2020

	Sample Location	PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
		206 Edward Crescent	518 Ailsa Ave	1240 Alderside	2000 Panorama Drive	202 Cecile Drive
		Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
		24/03/2020 9:05	24/03/2020 12:58	24/03/2020 10:53	24/03/2020 10:15	24/03/2020 13:23
Aluminum Total	µg/L	88	41	83	92	42
Antimony Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Barium Total	µg/L	2.3	2.1	2.4	2.3	2.1
Boron Total	µg/L	<10	<10	<10	<10	<10
Cadmium Total	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Calcium Total	µg/L	938	3360	1030	882	3410
Chromium Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Cobalt Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Total	µg/L	2.9	3.3	1	22.2	17.2
Iron Total	µg/L	65	131	66	68	23
Lead Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	µg/L	98	140	99	97	143
Manganese Total	µg/L	3.7	3.2	1.9	5.8	1.6
Mercury Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Potassium Total	µg/L	112	151	120	111	161
Selenium Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Silver Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Sodium Total	µg/L	4860	2530	6120	4780	2520
Zinc Total	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0

2020 Annual Water Quality Report

July-December 2020

	Sample Location	PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
		206 Edward Crescent	518 Ailsa Ave	1240 Alderside	2000 Panorama Drive	202 Cecile Drive
		27/10/2020 8:58	27/10/2020 12:57	27/10/2020 12:02	27/10/2020 11:13	27/10/2020 13:12
Aluminum Total	µg/L	85	48	83	87	34
Antimony Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Barium Total	µg/L	2.4	3.4	2.8	2.4	3.4
Boron Total	µg/L	<10	<10	<10	<10	<10
Cadmium Total	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2
Calcium Total	µg/L	1010	4190	1110	937	4240
Chromium Total	µg/L	0.05	0.05	0.06	0.05	<0.05
Cobalt Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Total	µg/L	3.4	5.3	1.0	24.4	12.6
Iron Total	µg/L	68	192	71	67	10
Lead Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	µg/L	96	184	101	99	184
Manganese Total	µg/L	2.3	17.8	1.7	2.1	3.6
Mercury Total	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Potassium Total	µg/L	121	194	136	122	196
Selenium Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Silver Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Sodium Total	µg/L	5110	2190	6710	5370	2090
Zinc Total	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0

Appendix #4
Disinfection By-Product Monitoring

2020 Trihalomethane Monitoring Results

Station	Date Sampled	THM (ppb)				
		Bromodichloromethane (MAC 16 ppb)	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes (MAC 100 ppb)
PMY-506	27/05/2020 12:02	<1	<1	<1	33	34
	27/02/2020 8:41	<1	<1	<1	33	35
	12/08/2020 8:50	1	<1	<1	42	44
	02/12/2020 11:20	<1	<1	<1	35	35
PMY-507	27/02/2020 8:41	<1	<1	<1	33	35
	27/05/2020 10:00	<1	<1	<1	29	30
	12/08/2020 8:09	<1	<1	<1	42	44
	02/12/2020 9:13	<1	<1	<1	28	29
PMY-508	27/02/2020 7:08	<1	<1	<1	26	28
	27/05/2020 13:12	<1	<1	<1	31	32
	12/08/2020 7:03	1	<1	<1	44	46
	02/12/2020 12:38	<1	<1	<1	28	29

2020 Haloacetic Acid Monitoring Results

Station	Date Sampled	HAA (ppb)					
		Dibromoacetic Acid	Dichloroacetic Acid	Monobromoacetic Acid	Monochloroacetic Acid	Trichloroacetic Acid	Total Haloacetic Acid (MAC 80 ppb)
PMY-506	27/02/2020 8:41	<0.5	3	<1	<2	7.9	11.4
	27/05/2020 12:02	<0.5	11	<1	<2	19.4	31.4
	12/08/2020 8:50	<0.5	11	<1	<2	19.9	30.8
	02/12/2020 11:20	<0.5	6	<1	<2	27.3	34.8
PMY-507	27/02/2020 8:05	<0.5	5	<1	<2	5.3	11.8
	27/05/2020 10:00	<0.5	11	<1	<2	13.1	25.3
	12/08/2020 8:09	<0.5	9	<1	<2	10.9	19.5
	02/12/2020 9:13	<0.5	6	<1	<2	9.7	18.1
PMY-508	27/02/2020 7:08	<0.5	6	<1	<2	6.4	12.7
	27/05/2020 13:12	<0.5	9	<1	<2	14.5	24.3
	12/08/2020 7:03	<0.5	5	<1	<2	18.2	22.9
	02/12/2020 12:38	<0.5	3	<1	<2	12.2	15.6

Appendix #5

Vinyl Chloride Monitoring

2020 Vinyl Chloride Monitoring Results

Address	Sample Reported Name	Sampled Date	Vinyl Chloride (mg/L)
100 Klahanie Drive	PMY-1 (Hydrant #2129)	2020-06-16 9:30	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	2020-06-16 10:10	<1
100 Klahanie Drive	PMY-1 (Hydrant #2129)	2020-11-25 9:55	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	2020-11-25 9:25	<1