



2021 Annual Water Quality Report



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 2021, the City purchased and distributed over 5.2 million cubic metres of treated drinking water with a value of over \$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 2021 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, 2021, the net book value of all these components, which together comprise the City's water distribution system, was \$23,746,667.

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 2021 Event Summary

2.1 Water Main Breaks

The City repaired 3 water main breaks in 2021 at the following locations:

- Moody Street at St. George Street;
- 600 block Ioco Road;
- 1200 block Ioco Road; and
- 2000 block St. Johns Street on the BA Line transmission main.

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 Summer 2021 Peak Demand

Warmer than typical temperatures in late summer 2021 caused periods of high demand in the City's water distribution system and across the region. During periods of particularly high demand, operation of the Noons Creek Drive Pump Station was temporarily modified to ensure that flow was supplied downstream to Chestnut Way Reservoir and Pump Station. During these periods, the available suction pressure at Noons Creek Drive Pump Station dropped slightly below the lower operating limit of the station. Ongoing communication, planning, and coordination with Metro Vancouver was required to effectively modify the operation of Port Moody's water distribution system in concert with regional supply pressure trends. City staff have identified the opportunity for further operational adjustments to be made at Noons Creek Drive Pump Station in anticipation of future peak demand periods.

2.3 Water Quality Customer Service

Operations Customer Service, which is available by phone 24 hours a day, 7 days a week, received a total of 2 calls related to aesthetic water quality concerns in 2021.

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 2021, the City completed uni-directional flushing on 40 kilometres of water main, or about 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 2021 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 2021, and no fewer than 48 were taken in any given month. A total of 721 samples were collected from the City's distribution system in 2021. 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 2021 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 2021 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 of 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 2021 were well below MAC values and equipment detection limits. A complete record of 2021 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:

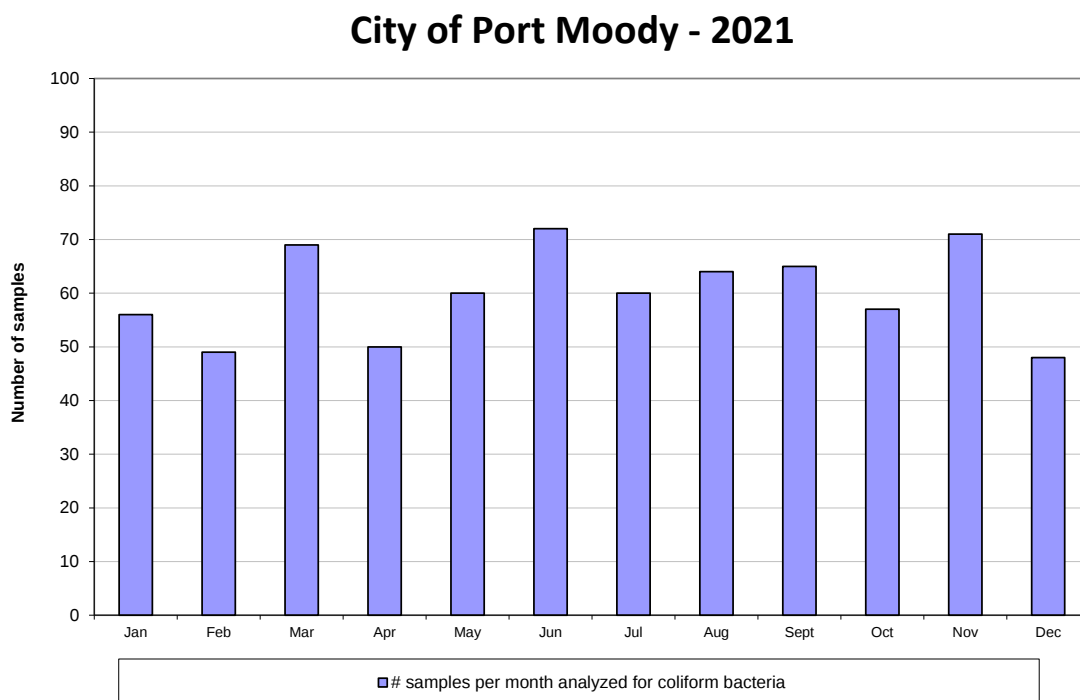
- total coliform;
- E. coli bacteria; and
- Heterotrophic plate count (HPC) bacteria.

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 2021 bacteriological water quality sampling results can be found in Appendix #1.

Figure#1: Number of Bacterial Samples Analyzed per Month



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Figure #2: 2021 Monthly Heterotrophic Plate Count Results >500 CFU/mls

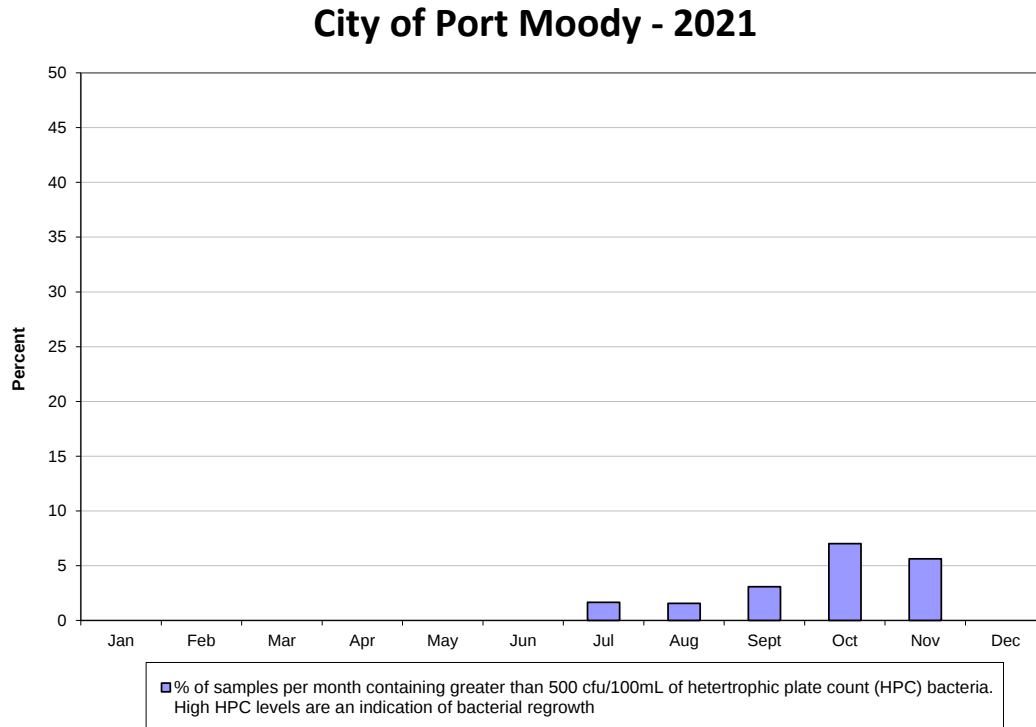
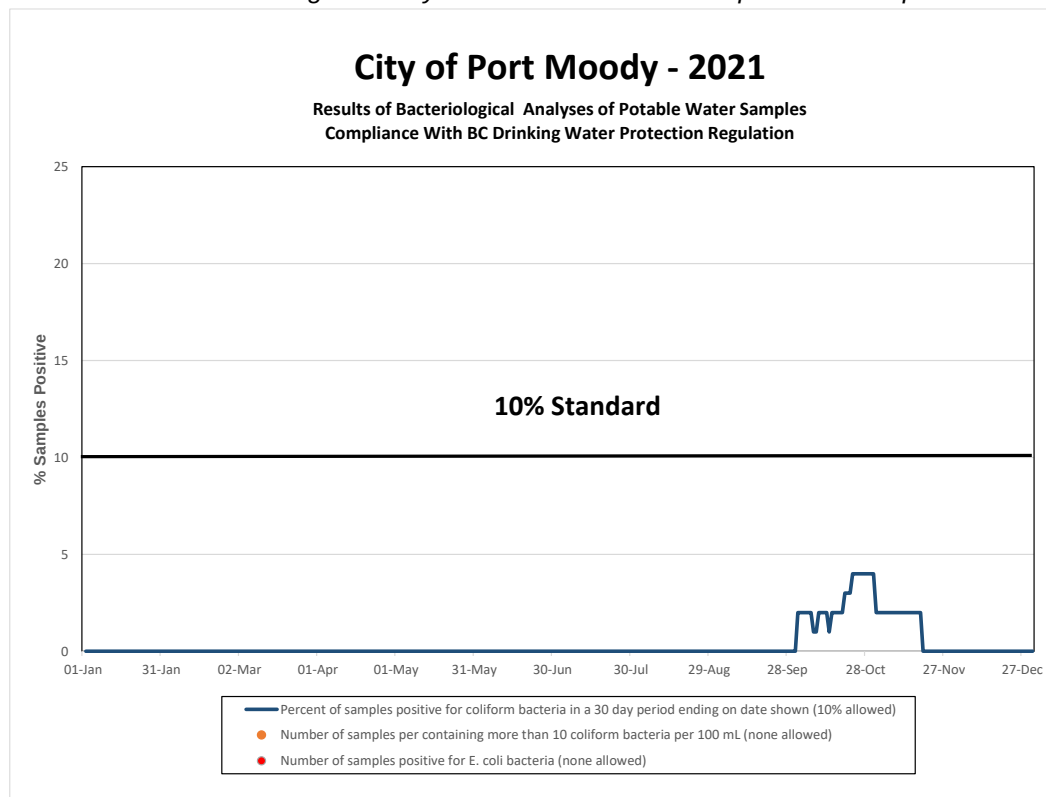


Figure #3: Results of Bacteriological Analysis of Potable Water Samples and Compliance with BCDWPR



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 Pleasantville, 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

A section of 300mm diameter water main connecting Ailsa Avenue to North Road, as well as a section of 300mm diameter water main on Douglas Street were replaced in 2021.

Additionally, a new power supply and controls for April Road Pump Station were installed.

A project to upgrade the City's SCADA system was initiated in late 2021. The project will improve overall system security, and allow greater flexibility for remote access from phones and tablets. The work completed in 2021 included project scoping and the initial evaluation of proposals.

6.0 Conclusion

In 2021, 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
2021-01-05 09:01	0.07	<1	2	8.3	<1	0.31
2021-01-16 12:17	0	<1	<2	8.3	<1	1
2021-01-20 10:34	0.21	<1	<2	7.8	<1	0.56
2021-01-23 10:45	0.14	<1	<2	8	<1	0.32
2021-01-28 12:04	0.2	<1	<2	7.2	<1	0.33
2021-02-02 12:00	0.15	<1	2	7.6	<1	0.28
2021-02-09 12:09	0.36	<1	<2	7.3	<1	0.21
2021-02-18 12:23	0.47	<1	<2	7.5	<1	0.24
2021-02-26 09:44	0.54	<1	<2	6.3	<1	0.82
2021-03-02 11:56	0.31	<1	<2	5.9	<1	0.38
2021-03-04 11:25	0.26	<1	<2	6.6	<1	0.31
2021-03-10 11:20	0.67	<1	<2	6	<1	0.55
2021-03-17 12:06	0.39	<1	2	7.4	<1	0.8
2021-03-23 12:07	0.5	<1	<2	7.7	<1	0.33
2021-03-25 12:05	0.41	<1	<2	7.8	<1	0.26
2021-03-30 10:58	0.19	<1	6	7.4	<1	0.29
2021-04-11 10:36	0.29	<1	10	8.7	<1	0.24
2021-04-15 11:56	0.37	<1	<2	9.2	<1	0.26
2021-04-19 11:39	0.55	<1	<2	9.9	<1	0.31
2021-04-22 07:50	0.39	<1	<2	9.7	<1	0.32
2021-04-27 10:46	0.25	<1	4	9.9	<1	0.25
2021-05-07 09:18	0.25	<1	<2	10.4	<1	0.33
2021-05-11 13:44	0.2	<1	6	10.2	<1	0.24
2021-05-18 11:59	0.14	<1	4	12.8	<1	0.25
2021-05-19 09:40	0.21	<1	<2	12	<1	0.22
2021-05-28 09:38	0.12	<1	<2	14	<1	0.32
2021-06-01 11:13	0.24	<1	<2	13.9	<1	0.22
2021-06-09 12:55	0.21	<1	2	15	<1	0.3
2021-06-15 11:30	0.27	<1	<2	14.2	<1	0.22
2021-06-17 12:48	0.27	<1	<2	15	<1	0.17
2021-06-20 11:22	0.47	<1	<2	15.1	<1	0.23
2021-06-28 13:09	0.35	<1	2	16	<1	0.26
2021-07-06 10:24	0.58	<1	<2	17	<1	0.42
2021-07-12 11:09	0.59	<1	2	16.5	<1	0.39
2021-07-20 11:10	0.19	<1	<2	18.2	<1	0.19
2021-07-27 11:40	0.12	<1	<2	18.7	<1	0.21
2021-08-04 09:09	0.18	<1	2	19.1	<1	0.24
2021-08-05 08:55	0.18	<1	<2	19.7	<1	0.19
2021-08-11 11:32	0.31	<1	4	20	<1	0.35
2021-08-19 10:23	0.31	<1	<2	20	<1	0.26
2021-08-24 12:06	0.11	<1	4	17.7	<1	0.23
2021-08-30 12:34	0.15	<1	<2	19.1	<1	0.37
2021-09-01 11:30	0.21	<1	92	18.7	<1	0.34
2021-09-09 07:58	0.01	<1	<2	18.9	<1	0.23
2021-09-14 12:41	0.29	<1	4	17	<1	0.27
2021-09-16 11:34	0.07	<1	6	16.1	<1	0.24
2021-09-21 12:56	0.1	<1	16	15.9	<1	0.39
2021-09-23 11:29	0.04	<1	2	17.9	<1	0.41
2021-10-01 11:49	0.14	<1	90	16.8	1	0.49
2021-10-14 07:36	0	<1	20	14.5	<1	0.45
2021-10-19 12:37	0	<1	48	14.6	1	0.43
2021-11-02 08:07	0	<1	110	13.6	<1	0.41
2021-11-10 14:03	0.08	<1	18	12.4	<1	0.45

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
2021-11-15 12:56	0.19	<1	12	11.5	<1	0.32
2021-11-17 09:58	0.08	<1	48	11.3	<1	0.43
2021-11-18 11:11	0.2	<1	4	10	<1	0.81
2021-11-24 11:33	0.11	<1	<2	10.7	<1	0.75
2021-11-29 10:30	0.09	<1	12	10.3	<1	0.71
2021-12-08 08:50	0.09	<1	20	10.2	<1	0.62
2021-12-16 08:25	0.04	<1	190	9.1	<1	0.43
2021-12-17 11:15	0.13	<1	<2	8.5	<1	0.51
2021-12-23 11:45	0.2	<1	NA	7.7	<1	0.44
2021-12-29 08:11	0.37	<1	NA	5.1	<1	0.54

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
2021-01-05 08:26	0.26	<1	<2	7.4	<1	0.3
2021-01-16 07:18	0.17	<1	<2	7.3	<1	0.33
2021-01-20 10:04	0.39	<1	<2	7.3	<1	0.29
2021-01-22 07:48	0.33	<1	<2	6.5	<1	0.29
2021-01-29 07:55	0.43	<1	<2	6.4	<1	0.35
2021-02-02 09:01	0.41	<1	<2	5.7	<1	0.28
2021-02-04 08:08	0.37	<1	<2	6.7	<1	0.26
2021-02-09 10:01	0.42	<1	<2	5.7	<1	0.26
2021-02-18 09:58	0.42	<1	<2	6.8	<1	0.3
2021-02-26 08:36	0.35	<1	<2	6	<1	0.33
2021-03-02 09:54	0.4	<1	<2	5.2	<1	0.34
2021-03-04 10:22	0.37	<1	<2	6.3	<1	0.31
2021-03-10 09:24	0.53	<1	<2	5.8	<1	0.27
2021-03-17 09:46	0.33	<1	<2	5.8	<1	0.26
2021-03-23 10:04	0.29	<1	2	7.1	<1	0.3
2021-03-30 09:18	0.4	<1	<2	7.1	<1	0.35
2021-04-11 09:48	0.38	<1	<2	7.6	<1	0.29
2021-04-15 10:08	0.27	<1	<2	8.7	<1	0.32
2021-04-19 09:10	0.44	<1	<2	9.4	<1	0.23
2021-04-22 07:26	0.46	<1	<2	8.5	<1	0.26
2021-04-23 13:29	0.46	<1	<2	9.6	<1	0.3
2021-04-27 08:51	0.27	<1	2	9.1	<1	0.24
2021-05-03 12:43	0.2	<1	<2	10	<1	0.23
2021-05-11 09:23	0.36	<1	<2	9.9	<1	0.27
2021-05-12 10:40	0.31	<1	<2	9.7	<1	0.28
2021-05-15 10:50	0.43	<1	<2	11.7	<1	0.47
2021-05-18 09:41	0.38	<1	<2	11	<1	0.33
2021-05-21 07:54	0.61	<1	<2	10.4	<1	0.37
2021-05-28 08:01	0.24	<1	<2	11.9	<1	0.19
2021-06-01 08:57	0.45	<1	<2	12.7	<1	0.25
2021-06-10 09:27	0.29	<1	<2	13.7	<1	0.18
2021-06-15 09:14	0.44	<1	<2	12.3	<1	0.21
2021-06-17 10:11	0.37	<1	<2	14	<1	0.23
2021-06-20 10:15	0.65	<1	<2	14.5	<1	0.28
2021-06-28 10:54	0.57	<1	<2	16.1	<1	0.26
2021-07-06 08:27	0.47	<1	<2	16.9	<1	0.23
2021-07-12 08:52	0.56	<1	<2	17.3	<1	0.25
2021-07-20 09:02	0.36	<1	2	17.3	<1	0.19
2021-07-22 09:07	0.4	<1	<2	17.5	<1	0.18
2021-07-27 09:09	0.47	<1	<2	17.8	<1	0.31
2021-08-04 08:14	0.37	<1	6	18.3	<1	0.28
2021-08-05 10:19	0.42	<1	<2	18.7	<1	0.27
2021-08-11 12:52	0.37	<1	<2	19	<1	0.35
2021-08-19 09:49	0.08	<1	2	19	<1	0.27
2021-08-24 07:05	0.33	<1	8	17.2	<1	0.4

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
2021-09-01 09:51	0.27	<1	2	17.3	<1	0.33
2021-09-09 09:16	0.2	<1	4	17.8	<1	0.26
2021-09-14 08:48	0.16	<1	<2	18.1	<1	0.22
2021-09-16 07:17	0.22	<1	<2	16.2	<1	0.46
2021-09-22 07:35	0.51	<1	4	14.3	<1	0.52
2021-09-23 13:27	0.11	<1	2	16.2	<1	0.51
2021-10-01 09:42	0.35	<1	<2	15.4	<1	0.49
2021-10-07 09:46	0.03	<1	2	14.6	<1	0.68
2021-10-13 13:01	0.13	<1	4	13.5	<1	0.44
2021-10-21 11:19	0.16	<1	<2	12.9	<1	0.45
2021-10-28 10:31	0.57	<1	2	12.1	<1	0.4
2021-11-02 10:33	0.49	<1	<2	11.5	<1	0.57
2021-11-10 09:51	0.22	<1	<2	10.7	<1	0.36
2021-11-17 06:56	0.09	<1	<2	9	<1	0.9
2021-11-18 09:10	0.4	<1	<2	9.5	<1	1.7
2021-11-24 09:27	0.32	<1	<2	8.8	<1	0.87
2021-11-29 09:53	0.22	<1	6	9.7	<1	1.6
2021-12-08 08:11	0.38	<1	<2	8.1	<1	0.75
2021-12-16 11:55	1.32	<1	<2	7.8	<1	0.51
2021-12-17 07:00	0.37	<1	<2	6.1	<1	0.51
2021-12-23 09:48	0.4	<1	NA	7.5	<1	0.47

2021 Annual Water Quality Report

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
2021-01-05 07:16	0.32	<1	<2	8.1	<1	0.15
2021-01-16 10:07	0.21	<1	<2	8.2	<1	0.17
2021-01-20 09:00	0.3	<1	<2	8.1	<1	0.27
2021-01-21 13:54	0.38	<1	<2	7	<1	0.2
2021-01-23 12:31	0.23	<1	<2	8	<1	0.29
2021-01-28 13:30	0.36	<1	<2	7.1	<1	0.3
2021-02-02 13:39	0.28	<1	<2	6.1	<1	0.23
2021-02-04 10:31	0.28	<1	<2	7.5	<1	0.16
2021-02-09 13:34	0.33	<1	<2	5.9	<1	0.25
2021-02-11 13:43	0.29	<1	<2	7	<1	0.22
2021-02-18 13:50	0.54	<1	<2	6	<1	0.28
2021-02-26 07:20	0.57	<1	<2	5.3	<1	0.1
2021-03-01 13:57	0.52	<1	<2	5.3	<1	0.17
2021-03-02 13:15	0.52	<1	<2	5.3	<1	0.17
2021-03-04 09:31	0.54	<1	<2	4.9	<1	0.31
2021-03-10 13:19	0.47	<1	<2	4.9	<1	0.11
2021-03-16 13:57	0.76	<1	<2	6.4	<1	0.22
2021-03-17 13:02	0.36	<1	<2	6.4	<1	0.22
2021-03-23 13:27	0.47	<1	<2	7.2	<1	0.12
2021-03-25 13:24	0.48	<1	<2	7.2	<1	0.13
2021-03-30 12:32	0.55	<1	<2	7.1	<1	0.13
2021-04-11 08:51	0.54	<1	<2	7.5	<1	0.15
2021-04-14 12:26	0.5	<1	<2	8.3	<1	0.17
2021-04-15 13:38	0.39	<1	<2	8.4	<1	0.15
2021-04-19 13:50	0.52	<1	<2	9.1	<1	0.14
2021-04-22 13:24	0.56	<1	<2	11.3	<1	0.13
2021-04-27 12:00	0.39	<1	<2	8.9	<1	0.19
2021-04-28 12:11	0.42	<1	<2	9.9	<1	0.18
2021-05-03 09:35	0.14	<1	<2	12	<1	0.41
2021-05-07 13:35	0.27	<1	<2	10.4	<1	0.25
2021-05-12 13:34	0.31	<1	<2	11	<1	0.21
2021-05-18 13:30	0.31	<1	2	13.9	<1	0.18
2021-05-21 12:22	0.53	<1	<2	14	<1	0.24
2021-05-28 10:28	0.31	<1	<2	12	<1	0.21
2021-06-01 12:05	0.28	<1	<2	14.8	<1	0.24
2021-06-04 07:14	0.3	<1	<2	15	<1	0.19
2021-06-10 07:13	0.24	<1	<2	15.4	<1	0.16
2021-06-11 11:12	0.38	<1	<2	14.1	<1	0.19
2021-06-15 13:00	0.25	<1	<2	15.4	<1	0.15
2021-06-17 13:45	0.35	<1	<2	15.6	<1	0.11
2021-06-20 08:46	0.53	<1	<2	15.6	<1	0.14
2021-06-28 07:46	0.38	<1	<2	17.2	<1	0.18
2021-07-06 11:53	0.42	<1	<2	19	<1	0.19
2021-07-07 13:15	0.43	<1	<2	18.4	<1	0.25
2021-07-08 13:25	0.22	<1	<2	18.4	<1	0.17
2021-07-12 07:16	0.19	<1	22	18.7	<1	0.25
2021-07-20 12:47	0.27	<1	<2	18.2	<1	0.14

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
2021-07-22 07:06	0.07	<1	8	19.4	<1	0.22
2021-07-27 08:05	0.14	<1	6	19.3	<1	0.26
2021-08-04 07:06	0.08	<1	4	19.9	<1	0.4
2021-08-05 07:36	0	<1	32	20.5	<1	0.29
2021-08-11 07:35	0.16	<1	4	20	<1	1.2
2021-08-19 06:52	0.41	<1	42	20.6	<1	0.23
2021-08-24 12:43	0.05	<1	10	18.1	<1	0.22
2021-08-30 13:52	0.16	<1	20	20	<1	0.28
2021-08-31 13:28	0.19	<1	10	18.8	<1	0.25
2021-09-01 07:03	0.05	<1	20	19	<1	0.24
2021-09-09 07:09	0.09	<1	8	19.2	<1	0.18
2021-09-14 14:01	0.25	<1	LA	17.1	<1	0.17
2021-09-16 12:27	0.16	<1	<2	17.5	<1	0.16
2021-09-22 09:52	0.25	<1	12	15.8	<1	0.16
2021-10-01 12:47	0.25	<1	42	17.2	<1	0.14
2021-10-07 06:59	0.16	<1	14	16.3	<1	0.45
2021-10-13 11:57	0.1	<1	34	15.1	<1	0.21
2021-10-19 11:46	0.09	<1	12	14.6	<1	0.12
2021-10-28 07:28	0.24	<1	4	13.6	<1	0.17
2021-10-29 13:08	0.23	<1	2	13.3	<1	0.16
2021-11-02 07:13	0.29	<1	<2	12.9	<1	0.12
2021-11-10 07:23	0.22	<1	8	12	<1	0.12
2021-11-12 12:52	0.22	<1	6	12.4	<1	0.18
2021-11-15 13:16	0.33	<1	<2	11.2	<1	0.15
2021-11-17 07:49	0.31	<1	<2	11	<1	0.13
2021-11-18 12:42	0.22	<1	<2	9.9	<1	0.15
2021-11-24 12:49	0.2	<1	4	8.5	<1	0.23
2021-11-29 08:34	0.19	<1	<2	10.5	<1	0.12
2021-12-08 06:59	0.25	<1	2	9.4	<1	0.12
2021-12-10 13:23	0.18	<1	8	9.1	<1	0.2
2021-12-13 13:48	0.3	<1	<2	7.6	<1	0.23
2021-12-16 07:28	0.31	<1	<2	8.6	<1	0.12
2021-12-17 12:27	0.24	<1	<2	7.8	<1	0.15
2021-12-23 13:12	0.3	<1	NA	9.1	<1	0.3
2021-12-29 07:24	0.4	<1	NA	6	<1	0.14

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
2021-01-05 09:07	0.62	<1	<2	8.3	<1	0.31
2021-01-16 13:33	0.81	<1	<2	8.2	<1	0.36
2021-01-20 10:39	0.82	<1	<2	8	<1	0.53
2021-01-23 10:59	0.9	<1	<2	7.7	<1	0.33
2021-01-28 11:54	0.87	<1	<2	4.9	<1	0.32
2021-02-02 11:53	0.64	<1	<2	7.3	<1	0.26
2021-02-09 11:54	0.86	<1	<2	5.8	<1	0.25
2021-02-18 11:57	0.85	<1	<2	6.6	<1	0.24
2021-02-26 09:54	0.95	<1	<2	6.7	<1	0.73
2021-03-02 11:38	0.69	<1	<2	4.8	<1	0.31
2021-03-04 10:45	0.72	<1	<2	6.2	<1	0.33
2021-03-10 11:08	1	<1	<2	5.4	<1	0.65
2021-03-17 11:50	0.74	<1	<2	5.5	<1	2.3
2021-03-23 11:59	1.1	<1	<2	6.4	<1	0.33
2021-03-25 11:59	0.55	<1	<2	6.1	<1	0.25
2021-03-30 10:51	0.74	<1	<2	5.9	<1	0.41
2021-04-11 10:41	0.45	<1	<2	8.7	<1	0.24
2021-04-15 11:44	0.95	<1	<2	9.1	<1	0.31
2021-04-19 11:28	0.76	<1	<2	10.5	<1	0.31
2021-04-22 07:39	0.81	<1	<2	9.2	<1	0.33
2021-04-27 10:27	0.54	<1	<2	9.4	<1	0.24
2021-05-07 09:09	0.54	<1	<2	9.3	<1	0.42
2021-05-11 13:33	0.56	<1	<2	9.8	<1	0.46
2021-05-12 12:10	0.7	<1	<2	9.6	<1	0.27
2021-05-18 11:48	0.68	<1	<2	9.7	<1	0.25
2021-05-21 09:15	0.87	<1	<2	13.1	<1	0.4
2021-05-28 09:23	0.77	<1	<2	11.3	<1	0.29
2021-06-01 10:58	0.83	<1	<2	11.9	<1	0.19
2021-06-09 13:00	0.82	<1	<2	14	<1	0.27
2021-06-15 11:17	0.56	<1	<2	10.8	<1	0.29
2021-06-17 12:54	0.88	<1	<2	14.6	<1	0.18
2021-06-20 11:28	0.95	<1	<2	14.9	<1	0.26
2021-06-28 13:17	0.9	<1	<2	14.9	<1	0.28
2021-07-06 10:31	0.98	<1	6	16.3	<1	0.31
2021-07-08 12:18	0.77	<1	<2	14.1	<1	0.24
2021-07-12 11:34	0.94	<1	<2	17.4	<1	0.41
2021-07-16 12:48	0.76	<1	<2	17.2	<1	0.37
2021-07-20 10:59	0.58	<1	<2	15.5	<1	0.19
2021-07-27 11:48	0.91	<1	<2	18.2	<1	0.24
2021-08-04 09:16	0.91	<1	<2	18.1	<1	0.22
2021-08-05 09:06	0.95	<1	<2	18.7	<1	0.21
2021-08-11 11:25	0.92	<1	<2	18	<1	0.32
2021-08-19 10:39	1.54	<1	2	19.4	<1	0.25
2021-08-24 12:12	0.76	<1	<2	16.3	<1	0.2
2021-08-30 12:22	0.69	<1	2	18.4	<1	0.33

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
2021-08-31 11:26	0.69	<1	<2	15.9	<1	0.19
2021-09-01 11:36	0.82	<1	<2	18	<1	0.28
2021-09-09 08:04	0.64	<1	<2	18.4	<1	0.21
2021-09-14 12:33	0.63	<1	<2	15.4	<1	0.2
2021-09-16 11:40	0.59	<1	<2	16.8	<1	0.21
2021-09-21 12:38	0.51	<1	<2	14.4	<1	0.41
2021-09-23 11:36	0.44	<1	<2	17	<1	0.38
2021-10-01 11:32	0.6	<1	<2	14.4	<1	0.88
2021-10-07 08:05	0.57	<1	<2	15.3	<1	0.58
2021-10-14 07:39	0.29	<1	<2	14.2	<1	0.41
2021-10-19 12:44	0.2	<1	<2	13.7	<1	0.49
2021-10-28 08:30	0.11	<1	<2	12.9	<1	0.32
2021-11-02 08:15	0.57	<1	<2	12.3	<1	0.43
2021-11-10 13:57	0.17	<1	2	11.5	<1	0.4
2021-11-12 07:45	0.3	<1	10	11.1	<1	0.34
2021-11-17 10:13	0.6	<1	<2	10.8	<1	0.85
2021-11-18 11:00	0.56	<1	<2	10.4	<1	1
2021-11-24 11:16	0.4	<1	<2	8.8	<1	0.89
2021-11-29 10:36	0.34	<1	<2	10	<1	1.4
2021-12-08 08:56	0.41	<1	<2	9.1	<1	0.96
2021-12-16 08:37	0.4	<1	<2	8.2	<1	0.64
2021-12-17 11:31	0.44	<1	<2	8.4	<1	0.57
2021-12-23 11:39	0.62	<1	NA	8.1	<1	0.5
2021-12-29 08:03	0.63	<1	NA	5.2	<1	0.71

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
2021-01-05 09:37	0.71	<1	<2	6.9	<1	0.38
2021-01-16 11:36	0.77	<1	<2	6	<1	0.44
2021-01-20 11:04	0.75	<1	2	5.9	<1	0.35
2021-01-22 11:32	0.67	<1	<2	6.2	<1	0.35
2021-01-28 11:04	0.72	<1	<2	6.3	<1	0.38
2021-02-02 11:09	0.63	<1	<2	6	<1	0.32
2021-02-09 11:03	0.77	<1	<2	5.6	<1	0.27
2021-02-18 10:56	0.65	<1	2	7.3	<1	0.3
2021-02-26 10:23	0.67	<1	4	5.6	<1	0.43
2021-03-02 10:46	0.62	<1	<2	5	<1	0.44
2021-03-10 10:33	0.82	<1	<2	5.9	<1	0.32
2021-03-17 11:04	0.51	<1	<2	6.8	<1	0.3
2021-03-23 11:05	0.69	<1	<2	6.9	<1	0.32
2021-03-30 10:12	0.62	<1	<2	6.8	<1	0.45
2021-04-15 10:52	0.61	<1	<2	7.5	<1	0.4
2021-04-19 10:30	0.67	<1	<2	8.1	<1	0.31
2021-04-27 09:48	0.63	<1	<2	9.1	<1	0.25
2021-05-07 08:33	0.63	<1	4	8.4	<1	0.35
2021-05-11 10:44	0.62	<1	<2	8.3	<1	0.26
2021-05-12 10:56	0.67	<1	<2	9	<1	0.31
2021-05-18 10:49	0.31	<1	<2	10.4	<1	0.37
2021-05-21 10:29	0.6	<1	<2	9.6	<1	0.43
2021-05-28 08:47	0.32	<1	<2	12	<1	0.78
2021-06-01 09:58	0.54	<1	<2	12.3	<1	0.32
2021-06-04 13:46	0.79	<1	4	10	<1	0.37
2021-06-09 12:15	0.64	<1	<2	10	<1	0.24
2021-06-15 10:20	0.68	<1	<2	12	<1	0.23
2021-06-17 12:09	0.8	<1	<2	11	<1	0.27
2021-06-28 12:28	0.99	<1	<2	11.2	<1	0.34
2021-07-06 10:01	0.91	<1	<2	12.8	<1	0.26
2021-07-08 11:33	0.85	<1	<2	12.9	<1	0.34
2021-07-12 10:47	0.8	<1	2	13.8	<1	0.29
2021-07-20 10:13	0.89	<1	<2	14.2	<1	0.32
2021-07-27 10:56	0.69	<1	740	15	<1	0.27
2021-08-04 09:45	0.97	<1	190	15.2	<1	0.26
2021-08-05 09:42	0.83	<1	220	16.1	<1	0.28
2021-08-11 12:00	1	<1	8	16	<1	0.37
2021-08-19 11:34	1.12	<1	260	16.4	<1	0.28
2021-08-24 11:20	1.06	<1	620	15.7	<1	0.28
2021-09-01 10:48	1.05	<1	320	16.3	<1	0.27
2021-09-09 08:47	1.06	<1	170	16.6	<1	0.27
2021-09-14 11:44	0.4	<1	150	16.7	<1	0.23
2021-09-16 10:38	1.15	<1	860	15.2	<1	0.47
2021-09-21 11:44	0.68	<1	1700	13.3	<1	0.58
2021-09-23 12:16	0.36	<1	100	15.1	<1	0.46

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
2021-10-01 10:52	0.8	<1	610	14.9	<1	1.2
2021-10-07 08:56	0.79	<1	2100	13.4	<1	0.82
2021-10-14 13:33	0.32	<1	540	13.2	<1	0.56
2021-10-19 13:25	0.95	<1	LA	12	<1	0.82
2021-10-21 12:29	0.51	<1	1300	11.3	<1	0.61
2021-10-28 09:16	0.51	<1	320	10.8	<1	0.55
2021-11-02 08:54	0.64	<1	510	10.9	<1	0.5
2021-11-10 08:35	0.86	<1	320	9.9	<1	0.44
2021-11-17 09:08	0.73	<1	500	8.9	<1	1
2021-11-18 10:07	0.73	<1	1700	9.3	<1	1.2
2021-11-24 10:33	0.67	<1	590	9	<1	1
2021-11-29 11:05	0.76	<1	1400	8.7	<1	1.3
2021-12-08 09:27	0.73	<1	180	7.8	<1	0.91
2021-12-16 10:07	0.94	<1	<2	7	<1	0.56
2021-12-23 10:59	1	<1	NA	8.4	<1	0.55

2021 Annual Water Quality Report

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
2021-01-05 07:47	0.16	<1	2	7.7	<1	0.33
2021-01-16 09:50	0.27	<1	<2	7.7	<1	0.34
2021-01-20 09:25	0.43	<1	<2	7.6	<1	0.27
2021-01-23 07:36	0.31	<1	<2	6.9	<1	0.33
2021-01-28 13:02	0.43	<1	<2	6.8	<1	0.55
2021-02-02 12:57	0.49	<1	<2	6.4	<1	0.28
2021-02-09 13:12	0.49	LA	<2	5.5	LA	0.31
2021-02-11 13:28	0.47	<1	2	6.8	<1	0.28
2021-02-18 13:16	0.48	<1	<2	5.3	<1	0.26
2021-03-02 12:45	0.49	<1	<2	5.7	<1	0.61
2021-03-10 11:47	0.47	<1	<2	6	<1	0.29
2021-03-17 12:30	0.28	<1	2	5.7	<1	0.26
2021-03-23 13:06	0.2	<1	<2	7	<1	0.33
2021-03-30 12:05	0.25	<1	2	6.6	<1	0.35
2021-04-11 09:14	0.31	<1	2	8.6	<1	0.24
2021-04-15 12:57	0.29	<1	<2	9	<1	0.28
2021-04-19 12:48	0.32	<1	<2	9.9	<1	0.25
2021-04-27 11:43	0.35	<1	<2	10.1	<1	0.23
2021-05-07 09:38	0.23	<1	<2	9.1	<1	0.24
2021-05-12 13:19	0.41	<1	<2	9.2	<1	0.27
2021-05-18 13:00	0.25	<1	<2	11.7	<1	0.28
2021-05-28 10:04	0.3	<1	<2	11.3	<1	0.2
2021-06-01 11:39	0.24	<1	<2	12.8	<1	0.22
2021-06-04 07:56	0.25	<1	<2	14.3	<1	0.28
2021-06-10 08:20	0.23	<1	<2	15	<1	0.19
2021-06-15 12:38	0.25	<1	<2	12.8	<1	0.22
2021-06-17 13:18	0.31	<1	<2	14.7	<1	0.2
2021-06-20 09:13	0.33	<1	2	15.3	<1	0.28
2021-06-28 08:30	0.33	<1	<2	16.6	<1	0.22
2021-07-06 11:02	0.4	<1	<2	18.4	<1	0.22
2021-07-12 08:10	0.27	<1	2	19	<1	0.3
2021-07-20 12:22	0.27	<1	170	16.3	<1	0.22
2021-07-22 07:47	0.16	<1	<2	19.7	<1	0.17
2021-07-27 08:52	0.21	<1	<2	19.9	<1	0.21
2021-08-04 07:35	0.25	<1	<2	20.1	<1	0.24
2021-08-05 08:25	0.17	<1	<2	20.8	<1	0.28
2021-08-11 08:20	0.38	<1	<2	20	<1	0.26
2021-08-19 07:22	0.28	<1	6	20.2	<1	0.23
2021-08-24 07:12	0.14	<1	16	17.7	<1	0.22
2021-09-01 07:43	0.23	<1	12	17.9	<1	0.25
2021-09-09 07:41	0.19	<1	4	17.6	<1	0.23
2021-09-14 13:40	0.57	<1	<2	15.9	<1	0.23
2021-09-16 07:46	0.25	<1	2	16.8	<1	0.23
2021-09-22 09:20	0.26	<1	2	14.1	<1	0.56

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
2021-09-23 11:13	0.21	<1	<2	16.3	<1	0.49
2021-10-01 12:20	0.39	<1	2	14.3	<1	0.58
2021-10-07 07:29	0	<1	8	14.9	<1	0.46
2021-10-13 12:23	0.2	<1	2	13.9	<1	0.47
2021-10-19 12:17	0.24	<1	<2	13.1	<1	0.47
2021-10-28 08:04	0.62	<1	<2	12.2	<1	0.35
2021-11-02 07:47	0.54	<1	<2	11.9	<1	0.45
2021-11-10 08:01	0.26	<1	2	10.9	<1	0.34
2021-11-17 07:08	0.16	<1	2	9.5	<1	0.83
2021-11-18 11:43	0.4	<1	<2	9.6	<1	1
2021-11-24 12:27	0.56	<1	<2	8.8	<1	0.93
2021-11-29 09:09	0.29	<1	<2	9.3	<1	1.4
2021-12-08 07:27	0.18	<1	<2	7.8	<1	0.81
2021-12-16 07:53	0.43	<1	<2	7.3	<1	0.54
2021-12-23 12:47	0.77	<1	NA	7.5	<1	0.49

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
2021-01-05 07:25	0.56	<1	<2	6.6	<1	0.13
2021-01-16 10:00	0.51	<1	<2	6.7	<1	0.12
2021-01-20 09:07	0.57	<1	<2	6.5	<1	0.1
2021-01-22 13:04	0.33	<1	<2	6.3	<1	0.34
2021-01-28 13:40	0.46	<1	<2	5.5	<1	0.21
2021-02-02 13:19	0.74	<1	<2	5.9	<1	0.11
2021-02-04 10:42	0.5	<1	<2	6.2	<1	0.12
2021-02-09 13:52	0.61	<1	<2	5	<1	0.12
2021-02-18 13:42	0.46	<1	<2	6.1	<1	0.15
2021-02-26 07:32	0.58	<1	<2	4.6	<1	0.09
2021-03-02 13:07	0.46	<1	<2	6	<1	0.2
2021-03-04 09:45	0.52	<1	<2	5.8	<1	0.26
2021-03-10 13:34	0.49	<1	<2	5.7	<1	0.1
2021-03-17 13:14	0.45	<1	<2	5.9	<1	0.21
2021-03-23 13:38	0.39	<1	<2	7	<1	0.13
2021-03-30 12:42	0.66	<1	<2	7.1	<1	0.11
2021-04-11 08:59	0.54	<1	<2	6.8	<1	0.15
2021-04-14 12:37	0.49	<1	<2	7.5	<1	0.17
2021-04-15 13:24	0.43	<1	<2	8.1	<1	0.18
2021-04-19 14:00	0.48	<1	<2	9	<1	0.13
2021-04-27 12:09	0.45	<1	<2	8.3	<1	0.11
2021-04-28 12:20	0.42	<1	<2	9.8	<1	0.22
2021-05-03 09:51	0.57	<1	<2	10.8	<1	0.15
2021-05-14 08:00	0.31	<1	<2	9.1	<1	0.2
2021-05-18 13:40	0.45	<1	<2	12.1	<1	0.18
2021-05-21 11:53	0.52	<1	<2	12.4	<1	0.22
2021-05-28 10:21	0.3	<1	<2	11.1	<1	0.12
2021-06-01 12:17	0.44	<1	<2	13	<1	0.17
2021-06-04 07:30	0.47	<1	<2	14	<1	0.22
2021-06-10 07:26	0.42	<1	<2	13.4	<1	0.12
2021-06-15 13:10	0.49	<1	<2	13	<1	0.13
2021-06-17 13:36	0.54	<1	<2	13.9	<1	0.17
2021-06-20 08:58	0.65	<1	88	14.5	<1	0.21
2021-06-28 08:05	0.48	<1	<2	16.5	<1	0.12
2021-07-06 11:37	0.54	<1	4	17.7	<1	0.19
2021-07-12 07:31	0.62	<1	<2	17.5	<1	0.14
2021-07-20 12:58	0.3	<1	<2	17.2	<1	0.15
2021-07-22 07:18	0.35	<1	<2	17.8	<1	0.2
2021-07-27 08:23	0.51	<1	<2	18	<1	0.26
2021-08-04 07:14	0.37	<1	10	18.6	<1	0.22
2021-08-05 08:00	0.37	<1	4	18.9	<1	0.21
2021-08-11 07:49	0.45	<1	4	18	<1	0.19
2021-08-19 07:00	0.33	<1	2	18.7	<1	0.19
2021-08-24 12:32	0.27	<1	4	18.1	<1	0.19
2021-08-30 14:01	0.27	<1	<2	15.9	<1	0.24
2021-08-31 13:40	0.37	<1	4	15.7	<1	0.22
2021-09-01 07:17	0.05	<1	<2	17.1	<1	0.22

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
2021-09-09 07:19	0.37	<1	2	17.1	<1	0.19
2021-09-15 07:11	0.43	<1	2	17.4	<1	0.16
2021-09-16 12:16	0.35	<1	4	17.3	<1	0.15
2021-09-22 10:03	0.29	<1	<2	14.9	<1	0.18
2021-10-01 12:39	0.33	<1	<2	15	<1	0.13
2021-10-07 07:07	0.4	<1	<2	14	<1	0.26
2021-10-13 12:04	0.42	<1	<2	12.5	<1	0.13
2021-10-19 11:54	0.4	<1	<2	12.1	<1	0.18
2021-10-28 07:15	0.33	<1	8	11.5	<1	0.17
2021-11-02 07:01	0.43	<1	<2	10.5	<1	0.12
2021-11-10 07:35	0.34	<1	<2	10	<1	0.11
2021-11-17 07:28	0.25	<1	<2	8.9	<1	0.14
2021-11-18 12:30	0.56	<1	<2	9.1	<1	0.11
2021-11-24 13:00	0.44	<1	<2	9	<1	0.24
2021-11-29 08:43	0.5	<1	<2	8.6	<1	0.13
2021-12-08 07:07	0.37	<1	<2	7.5	<1	0.17
2021-12-10 13:33	0.52	<1	<2	7.4	<1	0.12
2021-12-16 07:13	0.78	<1	<2	6.5	<1	0.1
2021-12-17 12:42	0.57	<1	<2	6.1	<1	0.16
2021-12-23 13:25	0.41	<1	NA	7.7	<1	0.19
2021-12-29 07:37	0.5	<1	NA	4	<1	0.2

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
2021-01-05 10:01	0.8	<1	<2	7.2	<1	0.39
2021-01-16 11:20	0.73	<1	<2	7	<1	0.45
2021-01-20 11:30	0.93	<1	<2	6.8	<1	0.38
2021-01-22 09:31	0.63	<1	<2	6.9	<1	0.38
2021-01-28 12:17	0.73	<1	<2	5.4	<1	0.36
2021-02-02 12:14	0.68	<1	2	6.7	<1	0.38
2021-02-09 12:22	0.85	<1	<2	5.2	<1	0.25
2021-02-18 12:36	0.87	<1	<2	5.5	<1	0.29
2021-02-26 10:53	0.79	<1	<2	6.5	<1	0.39
2021-03-02 12:10	0.79	<1	<2	5.5	<1	0.39
2021-03-10 11:31	0.87	<1	<2	5.7	<1	0.35
2021-03-17 12:21	0.55	<1	<2	5.9	<1	0.3
2021-03-23 12:21	0.59	<1	<2	6.8	<1	0.3
2021-03-25 12:41	0.54	<1	22	5.6	<1	0.3
2021-03-30 11:15	0.77	<1	<2	5.9	<1	0.37
2021-04-11 10:58	0.56	<1	<2	8.4	<1	0.33
2021-04-15 12:10	0.63	<1	<2	8	<1	0.31
2021-04-19 11:52	0.61	<1	<2	8.8	<1	0.28
2021-04-22 08:07	0.64	<1	<2	8.7	<1	0.32
2021-04-27 11:01	0.65	<1	<2	8.9	<1	0.26
2021-05-07 09:29	0.67	<1	<2	9.8	<1	0.37
2021-05-12 12:29	0.64	<1	<2	9.3	<1	0.32
2021-05-18 12:13	0.65	<1	<2	10	<1	0.31
2021-05-28 09:50	0.5	<1	<2	10.4	<1	0.24
2021-06-01 11:29	0.58	<1	<2	12.6	<1	0.26
2021-06-04 13:26	1.32	-	<2	11.6	-	47
2021-06-09 11:50	0.83	<1	<2	14	<1	0.37
2021-06-15 11:43	0.67	<1	<2	12.2	<1	0.24
2021-06-17 13:07	0.83	<1	<2	14	<1	0.24
2021-06-20 11:56	0.96	<1	<2	14.5	<1	0.3
2021-06-28 11:46	1.14	<1	<2	17	<1	0.18
2021-07-06 09:10	1.11	<1	<2	17.6	<1	0.23
2021-07-12 09:57	0.95	<1	2	17.6	<1	0.23
2021-07-20 11:35	0.64	<1	<2	16.1	<1	0.25
2021-07-22 10:16	0.99	<1	16	18.4	<1	0.17
2021-07-27 10:30	1.05	<1	4	20	<1	0.24
2021-08-04 10:22	0.88	<1	8	21.7	<1	0.27
2021-08-05 09:20	0.91	<1	8	21.8	<1	0.27
2021-08-11 11:47	0.97	<1	4	22	<1	0.27
2021-08-19 11:49	0.74	<1	<2	22.1	<1	0.27
2021-08-24 11:05	0.99	<1	<2	18.4	<1	0.21
2021-09-01 13:53	0.94	<1	<2	21	<1	0.24
2021-09-09 09:05	0.83	<1	2	21.6	<1	0.23
2021-09-14 12:57	0.68	<1	<2	16.1	<1	0.26
2021-09-16 09:51	0.88	<1	<2	19.3	<1	0.45
2021-09-21 13:14	0.44	<1	<2	13.7	<1	0.76
2021-09-23 11:56	0.8	<1	<2	19.3	<1	0.54

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
2021-10-01 12:05	0.56	<1	<2	15.2	<1	0.76
2021-10-07 07:45	0.72	<1	<2	16.9	<1	0.83
2021-10-14 13:47	0.7	<1	<2	16.2	<1	0.45
2021-10-21 11:50	0.72	<1	<2	15.8	<1	0.74
2021-10-28 08:51	0.42	<1	<2	15.3	<1	0.5
2021-11-02 08:37	0.66	<1	<2	14.5	<1	0.51
2021-11-10 08:17	0.42	<1	<2	13.6	<1	0.33
2021-11-17 08:51	0.73	<1	4	12.2	<1	1.2
2021-11-18 11:29	0.67	<1	<2	9.7	<1	1
2021-11-24 11:46	0.69	<1	<2	8.6	<1	1.1
2021-11-29 11:45	0.97	<1	<2	7.8	<1	1.3
2021-12-08 10:15	0.86	<1	<2	7.6	<1	1.1
2021-12-16 10:47	1.42	<1	<2	7	<1	0.66
2021-12-17 08:33	0.71	<1	<2	6.8	<1	0.63
2021-12-23 12:02	0.85	<1	NA	7.7	<1	0.61

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
2021-01-05 09:19	0.22	<1	<2	7.1	<1	0.18
2021-01-16 12:00	0.14	<1	<2	6.8	<1	0.31
2021-01-20 10:50	0.24	<1	<2	6.8	<1	0.31
2021-01-22 12:09	0.16	<1	<2	6.5	<1	0.31
2021-01-28 11:40	0.28	<1	<2	6.1	<1	0.38
2021-02-02 11:39	0.29	<1	<2	6.3	<1	0.26
2021-02-04 10:06	0.28	<1	<2	6	<1	0.27
2021-02-09 11:39	0.32	<1	<2	5.7	<1	0.26
2021-02-18 11:38	0.31	<1	<2	7.6	<1	0.26
2021-02-26 10:08	0.29	<1	<2	5.7	<1	0.72
2021-03-02 11:21	0.24	<1	6	5.4	<1	0.4
2021-03-10 10:54	0.31	<1	<2	5.8	<1	0.71
2021-03-17 11:34	0.19	<1	<2	6.6	<1	0.27
2021-03-23 11:45	0.23	<1	<2	7.5	<1	0.28
2021-03-30 10:39	0.24	<1	<2	6.8	<1	0.31
2021-04-15 11:29	0.26	<1	<2	8	<1	0.33
2021-04-19 10:56	0.29	<1	<2	8.5	<1	0.24
2021-04-27 10:11	0.4	<1	<2	10.1	<1	0.38
2021-05-07 08:55	0.24	<1	<2	9	<1	0.25
2021-05-11 11:07	0.31	<1	<2	10.1	<1	0.25
2021-05-12 11:55	0.2	<1	<2	10	<1	0.24
2021-05-18 11:27	0.22	<1	<2	10.1	<1	0.39
2021-05-21 11:22	0.3	<1	<2	9.1	<1	0.27
2021-05-28 09:11	0.22	<1	<2	13.1	<1	0.23
2021-06-01 10:45	0.25	<1	<2	13.4	<1	0.31
2021-06-04 13:36	0.25	<1	<2	11.9	<1	0.28
2021-06-11 09:07	0.22	<1	<2	14	<1	0.25
2021-06-12 11:00	0.44	<1	<2	12	<1	0.21
2021-06-15 11:01	0.4	<1	4	14.1	<1	0.24
2021-06-17 12:35	0.26	<1	<2	12	<1	0.22
2021-06-28 12:55	0.53	<1	<2	13.5	<1	0.25
2021-07-06 09:26	0.46	<1	<2	13.2	<1	0.23
2021-07-08 12:05	0.52	<1	<2	15.5	<1	0.25
2021-07-12 11:01	0.39	<1	<2	13.8	<1	0.29
2021-07-16 12:34	0.41	<1	<2	15.3	<1	0.24
2021-07-20 10:45	0.41	<1	44	14.2	<1	0.21
2021-07-27 11:26	0.41	<1	6	15.8	<1	0.25
2021-08-04 09:28	0.3	<1	<2	16.2	<1	0.24
2021-08-05 08:42	0.4	<1	<2	16.2	<1	0.32
2021-08-11 12:22	0.32	<1	<2	16.5	<1	0.29
2021-08-19 10:59	0.2	<1	14	17	<1	0.3
2021-08-24 11:50	0.2	<1	<2	16.4	<1	0.23
2021-08-30 12:47	0.26	<1	16	15.5	<1	0.24
2021-08-31 11:48	0.19	<1	6	15.1	<1	0.25
2021-09-01 11:12	0.23	<1	42	16.4	<1	0.25
2021-09-09 08:16	0.16	<1	6	16.8	<1	0.24
2021-09-14 12:14	0.29	<1	<2	16.8	<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
2021-09-15 12:50	0.22	<1	<2	16.3	<1	0.27
2021-09-16 11:20	0.28	<1	4	15.9	<1	0.31
2021-09-21 12:21	0.32	<1	2	14.8	<1	0.42
2021-09-23 12:53	0.15	<1	42	15.8	<1	0.46
2021-10-01 11:18	0.47	<1	8	15.3	<1	0.41
2021-10-07 08:24	0.01	<1	18	14	<1	0.55
2021-10-14 07:52	0.58	<1	100	13	<1	0.5
2021-10-19 12:57	0.18	<1	38	12.6	<1	0.42
2021-10-21 13:33	0.25	<1	2	12	<1	0.42
2021-10-28 09:41	0.24	<1	30	11.7	<1	0.39
2021-11-02 09:29	0.03	<1	4	11.1	<1	0.45
2021-11-10 11:51	0.01	<1	42	10.8	<1	0.42
2021-11-15 12:40	0.22	<1	210	8.9	<1	0.34
2021-11-17 09:48	0.2	<1	120	8.5	<1	0.4
2021-11-18 10:36	0.35	<1	130	8.7	<1	0.68
2021-11-24 11:01	0.2	<1	30	8.8	<1	0.75
2021-11-29 10:48	0.09	<1	70	9.1	<1	0.73
2021-12-08 09:10	0.12	<1	6	7.8	<1	0.76
2021-12-16 09:06	0.21	<1	<2	7	<1	0.5
2021-12-17 10:37	0.22	<1	<2	6.7	<1	0.51
2021-12-23 11:24	0.4	<1	NA	7.7	<1	0.54
2021-12-29 08:29	0.23	<1	NA	4.5	<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
2021-01-05 09:46	0.33	<1	<2	6.3	<1	0.45
2021-01-16 11:47	0.29	<1	<2	6.1	<1	0.46
2021-01-20 11:15	0.41	<1	<2	5.9	<1	0.33
2021-01-22 11:52	0.41	<1	<2	5.8	<1	0.36
2021-01-28 11:14	0.51	<1	<2	6	<1	0.41
2021-02-02 11:20	0.4	<1	<2	4.7	<1	0.33
2021-02-09 11:21	0.34	<1	<2	5.1	<1	0.31
2021-02-18 11:11	0.38	<1	<2	5.8	<1	0.33
2021-02-26 10:36	0.43	<1	<2	5	<1	0.5
2021-03-02 11:00	0.43	<1	<2	5	<1	0.43
2021-03-10 10:41	0.44	<1	<2	4.9	<1	0.36
2021-03-17 11:13	0.33	<1	<2	6.2	<1	0.29
2021-03-23 11:26	0.25	<1	<2	5.9	<1	0.31
2021-03-30 10:23	0.35	<1	<2	5.7	<1	0.36
2021-04-15 11:10	0.3	<1	<2	7.6	<1	0.38
2021-04-19 10:42	0.28	<1	<2	7.5	<1	0.31
2021-04-27 09:58	0.5	<1	<2	8.2	<1	0.31
2021-05-07 08:42	0.18	<1	<2	8	<1	0.29
2021-05-11 10:54	0.36	<1	<2	8.1	<1	0.31
2021-05-12 11:37	0.19	<1	<2	8.5	<1	0.33
2021-05-18 11:04	0.35	<1	<2	8.6	<1	0.43
2021-05-21 11:03	0.43	<1	<2	8.7	<1	0.3
2021-05-28 08:56	0.33	<1	<2	8.2	<1	0.29
2021-06-01 10:26	0.28	<1	<2	9.1	<1	0.27
2021-06-04 13:53	0.29	<1	<2	10.1	<1	0.33
2021-06-09 12:30	0.4	<1	<2	10	<1	0.27
2021-06-15 10:33	0.35	<1	<2	11.4	<1	0.25
2021-06-17 12:19	0.33	<1	<2	10.4	<1	0.25
2021-06-28 12:39	0.37	<1	<2	11.7	<1	0.29
2021-07-06 09:44	0.38	<1	<2	11.9	<1	0.25
2021-07-08 11:44	0.28	<1	8	10.9	<1	0.28
2021-07-12 10:23	0.35	<1	<2	12.6	<1	0.44
2021-07-16 12:20	0.35	<1	6	12.9	<1	0.27
2021-07-20 10:26	0.35	<1	<2	14	<1	0.23
2021-07-27 11:10	0.23	<1	270	14.7	<1	0.31
2021-08-04 09:54	0.27	<1	12	15.5	<1	0.29
2021-08-05 09:59	0.32	<1	10	15.7	<1	0.28
2021-08-11 12:11	0.37	<1	<2	16	<1	0.33
2021-08-19 11:14	0.31	<1	6	16.4	<1	0.29
2021-08-24 11:36	0	<1	4	15.4	<1	0.26
2021-09-01 10:59	0.44	<1	4	16.1	<1	0.25
2021-09-09 08:32	0.36	<1	2	16.2	<1	0.34
2021-09-14 11:55	0.33	<1	<2	15.8	<1	0.3
2021-09-16 11:02	0.53	<1	<2	15.8	<1	0.36
2021-09-21 12:01	0.24	<1	<2	13.1	<1	0.53

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
2021-09-23 12:35	0.26	<1	4	14.5	<1	0.52
2021-10-01 11:03	0.44	<1	16	13.8	<1	0.58
2021-10-07 08:39	0.45	<1	84	13	<1	0.69
2021-10-14 08:04	0.28	<1	140	12.3	<1	0.68
2021-10-19 13:13	0.31	<1	220	11.7	<1	0.69
2021-10-21 12:45	0.4	<1	120	10.5	<1	0.62
2021-10-28 09:26	0.22	<1	<2	11	<1	0.54
2021-11-02 09:09	0.29	<1	14	10.4	<1	0.53
2021-11-10 08:44	0.37	<1	10	9.1	<1	0.43
2021-11-17 09:36	0.59	<1	10	8.5	<1	0.62
2021-11-18 10:17	0.48	<1	<2	8.5	<1	0.99
2021-11-24 10:48	0.41	<1	4	8.5	<1	1
2021-11-29 11:31	0.44	<1	<2	8	<1	1.4
2021-12-08 09:54	0.42	<1	<2	7.4	<1	1.1
2021-12-16 09:27	0.62	<1	<2	6.7	<1	0.77
2021-12-23 11:11	0.68	<1	NA	7.1	<1	0.63

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
2021-01-05 07:41	0.51	<1	<2	6.7	<1	0.44
2021-01-16 09:44	0.68	<1	<2	6.1	<1	0.53
2021-01-20 09:21	0.7	<1	<2	6.5	<1	0.32
2021-01-22 12:47	0.29	<1	<2	6.5	<1	0.34
2021-01-28 13:15	0.65	<1	<2	5.6	<1	0.41
2021-02-02 13:08	0.63	<1	2	5.8	<1	0.62
2021-02-09 13:24	0.56	<1	<2	4.9	<1	0.27
2021-02-18 13:31	0.74	<1	<2	5.1	<1	0.31
2021-02-26 07:47	0.56	<1	<2	5.5	<1	0.52
2021-03-02 12:56	0.48	<1	<2	5.8	<1	0.39
2021-03-04 11:49	0.5	<1	<2	6.1	<1	0.4
2021-03-11 07:24	0.83	<1	<2	4.8	<1	0.33
2021-03-17 12:52	0.44	<1	<2	7.1	<1	0.29
2021-03-18 13:20	0.55	<1	<2	6.8	<1	0.33
2021-03-23 13:18	0.61	<1	<2	7.1	<1	0.32
2021-03-25 13:15	0.59	<1	2	7.2	<1	0.3
2021-03-30 12:20	0.67	<1	<2	6.7	<1	0.36
2021-04-15 13:11	0.52	<1	<2	8.8	<1	0.33
2021-04-19 12:53	0.45	<1	<2	10.1	<1	0.28
2021-04-27 11:51	0.44	<1	<2	9.7	<1	0.27
2021-05-03 13:39	0.78	<1	<2	10.1	<1	0.26
2021-05-07 09:44	0.52	<1	<2	9.7	<1	0.29
2021-05-12 13:26	0.4	<1	<2	9.1	<1	0.31
2021-05-18 13:09	0.56	<1	<2	9.8	<1	0.41
2021-05-28 10:10	0.44	<1	<2	12.8	<1	0.21
2021-06-01 11:50	0.5	<1	<2	12.8	<1	0.25
2021-06-04 07:46	0.48	<1	<2	14	<1	0.25
2021-06-10 08:13	0.61	<1	<2	14.9	<1	0.3
2021-06-15 12:50	0.57	<1	<2	13.1	<1	0.27
2021-06-17 13:25	0.49	<1	<2	15	<1	0.21
2021-06-28 08:22	0.43	<1	<2	17.2	<1	0.19
2021-07-06 11:26	0.42	<1	<2	18.4	<1	0.34
2021-07-12 07:41	0.58	<1	<2	20.4	<1	0.27
2021-07-16 13:17	0.46	<1	2	19.2	<1	0.22
2021-07-20 12:31	0.63	<1	<2	17.6	<1	0.23
2021-07-22 07:41	0.69	<1	<2	19.9	<1	0.17
2021-07-27 08:40	0.23	<1	2	20.8	<1	0.29
2021-08-04 07:29	0.52	<1	<2	20.4	<1	0.28
2021-08-05 08:17	0.3	<1	<2	21.8	<1	0.26
2021-08-11 08:06	0.63	<1	<2	21.1	<1	0.28
2021-08-19 07:16	0.05	<1	<2	20.2	<1	0.21
2021-08-24 07:24	0.49	<1	<2	17.4	<1	0.28
2021-09-01 07:33	0.19	<1	2	18	<1	0.27
2021-09-09 07:37	0.31	<1	<2	18.7	<1	0.29
2021-09-14 13:52	0.8	<1	<2	15.9	<1	0.26
2021-09-16 12:07	0.68	<1	<2	16.9	<1	0.46

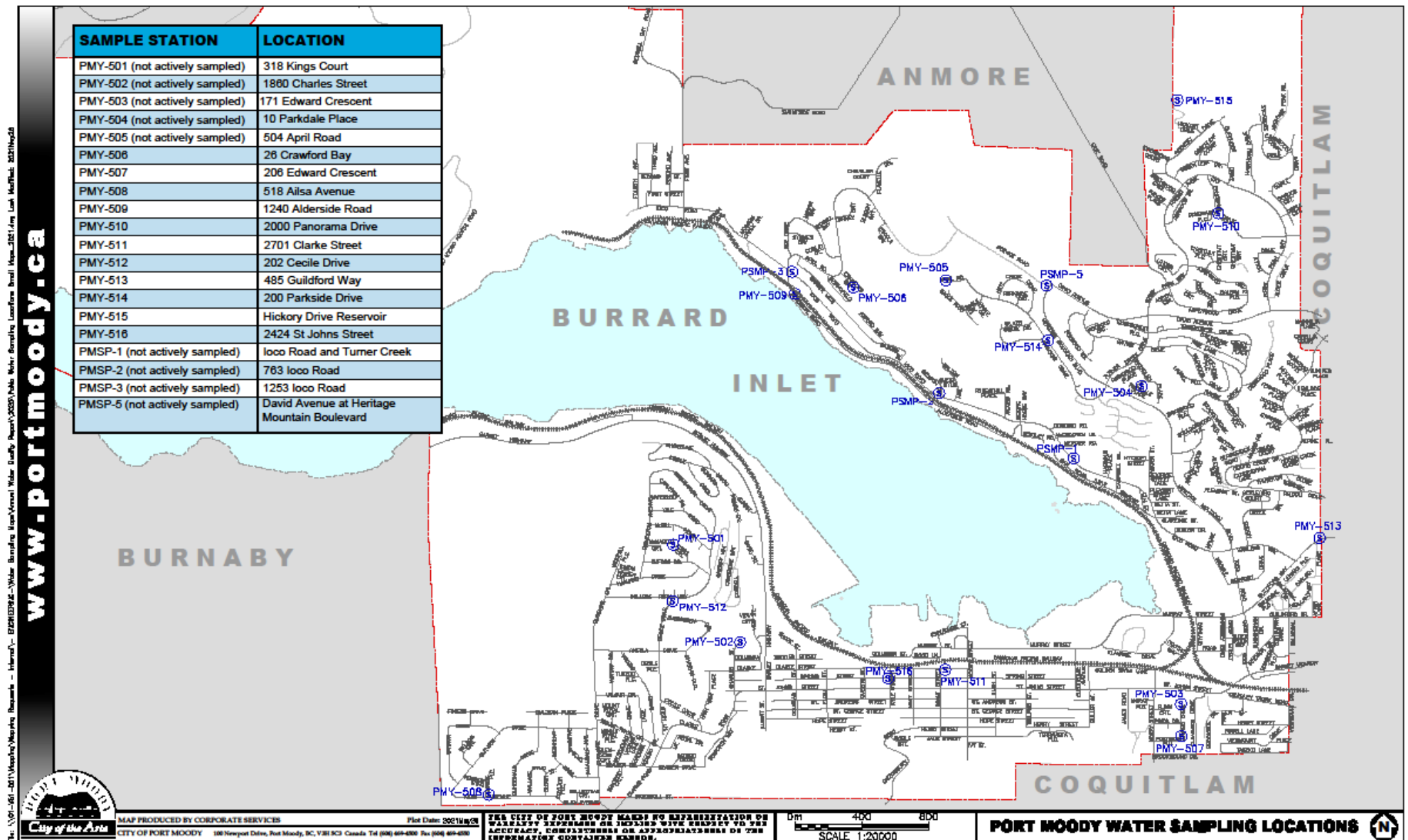
PMY 516 – 2424 St. Johns Street continued

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2021-09-22 09:39	0.51	<1	<2	15.1	<1	0.76
2021-09-23 11:07	0.35	<1	8	15.9	<1	1.1
2021-10-01 12:28	0.55	<1	4	14.7	<1	0.64
2021-10-07 07:21	0.15	<1	<2	14.3	<1	0.78
2021-10-13 12:19	0.37	<1	<2	13.1	<1	0.54
2021-10-19 12:10	0.36	<1	2	12.3	<1	0.59
2021-10-28 07:50	0.47	<1	<2	11.2	<1	0.47
2021-11-02 07:30	0.25	<1	<2	11	<1	0.5
2021-11-10 07:55	0.31	<1	<2	9.9	<1	0.47
2021-11-17 07:19	0.27	<1	<2	8.8	<1	1.1
2021-11-18 11:57	0.38	<1	<2	9.1	<1	1.2
2021-11-24 12:35	0.58	<1	<2	8.8	<1	0.95
2021-11-29 09:04	0.27	<1	<2	9.1	<1	1.9
2021-12-08 07:22	0.37	<1	<2	8	<1	1
2021-12-16 07:44	0.46	<1	<2	7	<1	0.74
2021-12-23 13:00	0.59	<1	NA	7.8	<1	0.57

Appendix #2

Sample Station Locations

2021 Annual Water Quality Report



Appendix #3

Metals Monitoring

2021 Metals Monitoring Data for GCDWQ Parameters

January-June 2021

		PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
		206 Edward Crescent	518 Ailsa Avenue	1240 Alderside Road	2000 Panorama Drive	202 Cecile Drive
		Sample Date	Sample Date	Sample Date	Sample Date	Sample Date
		4/19/2021 9:10	4/19/2021 13:49	4/19/2021 11:27	4/19/2021 10:30	4/19/2021 14:00
Aluminum Total	µg/L	76	26	85	86	22
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	2.2	2.8	2.4	2.2	2.8
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	970	4270	973	895	4210
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	4.9	2.2	1.1	31.2	10.9
Iron Total	µg/L	64	14	82	85	<5
Lead Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	µg/L	98	182	97	97	183
Manganese Total	µg/L	3.6	3.2	4.5	11.4	2.7
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	110	169	117	108	171
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	4470	1640	6150	5040	1650
Zinc Total	µg/L	<3.0	<3.0	<3.0	3.0	<3.0

2021 Annual Water Quality Report

July-December 2021

	Sample Location Sample Date	PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
		206 Edward Crescent	518 Ailsa Avenue	1240 Alderside Road	2000 Panorama Drive	202 Cecile Drive
		11/10/2021 9:51	11/10/2021 7:23	11/12/2021 7:45	11/10/2021 8:35	11/10/2021 7:35
Aluminum Total	µg/L	88	60	83	94	54
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	2.2	2.0	2.0	2.2	2.5
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	926	7860	908	836	7890
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	2.5	0.7	0.7	14.5	2.4
Iron Total	µg/L	38	50	100	50	<5
Lead Total	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	µg/L	96	187	97	94	189
Manganese Total	µg/L	1.6	2.0	2.3	2.4	1.3
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	150	119	110	154
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	10500	1560	11600	10900	1560
Zinc Total	µg/L	<3.0	<3.0	<3.0	<3.0	<3.0

Appendix #4

Disinfection By-Product Monitoring

2021 Trihalomethane Monitoring Results

Station	Date Sampled	THM (ppb)				
		Bromodichloromethane (MAC 16 ppb)	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes (MAC 100 ppb)
PMY-506	02/26/2021	<1	<1	<1	21	21
	06/01/2021	<1	<1	<1	38	39
	08/24/2021	1	<1	<1	44	46
	11/24/2021	<1	<1	<1	26	27
PMY-507	02/26/2021	<1	<1	<1	15	16
	06/01/2021	<1	<1	<1	29	29
	08/24/2021	<1	<1	<1	24	26
	11/24/2021	<1	<1	<1	25	26
PMY-508	02/26/2021	<1	<1	<1	23	25
	06/01/2021	<1	<1	<1	34	36
	08/24/2021	1	<1	<1	42	44
	11/24/2021	<1	<1	<1	32	33

2021 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	02/26/2021	<0.5	7	<1	5	4	17
	06/01/2021	<0.5	11	<1	<2	27	40
	08/24/2021	0.7	4	<1	<2	17	22
	11/24/2021	<0.5	2	<1	<2	18	20
PMY-507	02/26/2021	<0.5	5	<1	3	3	12
	06/01/2021	<0.5	11	<1	<2	18	30
	08/24/2021	0.5	10	<1	3	11	24
	11/24/2021	<0.5	9	<1	<2	17	25
PMY-508	02/26/2021	<0.5	7	<1	<2	6	14
	06/01/2021	<0.5	14	<1	<2	28	43
	08/24/2021	<0.5	1	<1	<2	14	15
	11/24/2021	<0.5	3	<1	<2	10	13

Appendix #5

Vinyl Chloride Monitoring

2021 Vinyl Chloride Monitoring Results

Address	Sample Reported Name	Sampled Date	Vinyl Chloride (mg/L)
100 Klahanie Drive	PMY-1 (Hydrant #2129)	5/19/2021 11:05	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	5/19/2021 10:40	<1
100 Klahanie Drive	PMY-1 (Hydrant #2129)	12/8/2021 10:25	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	12/8/2021 10:00	<1