2022 Annual Water Quality Report Summary

City staff ensure high-quality drinking water is delivered with maximum efficiency to residential, industrial, commercial, and institutional customers. We operate and maintain:

- Two re-chlorination stations that boost disinfection
- Nine residual chlorine analyzers that monitor disinfection
- Three pump stations that have a combined 1,300 horsepower
- Three reservoirs that can store over 11.5 million litres of water
- 15 pressure reducing valve stations
- More than 600 fire hydrants

We analyzed 653 water samples

Drinking water in 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's water system is monitored, operated, and maintained by a team of qualified personnel who are certified by the Environmental Operators Certification Program and the Applied Science Technologists and Technicians of British Columbia. Our water distribution system is certified as a Level III facility by the Environmental Operators Certification Program.

We purchased 5.08 million cubic metres of water from Metro Vancouver – the equivalent of **2,032 Olympic swimming pools** – at a cost of $4.26M.

As part of our maintenance program, we:

- flushed 42km of the City's water distribution system
- remotely monitored the water distribution system 24/7/365
- managed a water distribution system worth $24,835,669

We repaired five water main breaks on Ioco Road (x2), Wallace Wynd, Alderside Road, and Culzean Place.

Operations Division
Engineering & Operations
604.469.4574
operations@portmoody.ca

PORT MOODY
CITY OF THE ARTS

2022 Annual Water Quality Report

Engineering and Operations

Operations Division

City of Port Moody

PORT MOODY
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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

Emergency Contact Information

Nick Cusano, CWP, CWWP, CPWI 2
Utility Maintenance Supervisor
Phone: 604-469-4511
E-mail: ncusano@portmoody.ca

Operations Customer Service
Phone: 604-469-4574
Fax: 604-469-4530
E-mail: operations@portmoody.ca

Jeff Little, AScT, RTMgr, PTech, CPWI 3
Manager of Operations
Phone: 604-469-4604
E-mail: jlittle@portmoody.ca

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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
PVC	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 2022, the City purchased and distributed over 5.08 million cubic metres of treated drinking water with a value of over $4.26 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 2022 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
Residual Chlorine Analyzers	9

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

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

All of these components work together to distribute safe, high-quality drinking water throughout the city. As of December 31, 2022, the net book value of all these components, which together comprise the City's water distribution system, was $24,835,669.

1.2 Facility Classification

The City of Port Moody's water distribution system is classified by the Environmental Operators Certification Program (EOCP) as a Class III facility, which is the second-most complex category of facilities. This classification will be reviewed by the EOCP again in 2026 to determine if changes to operating parameters, additional infrastructure, or changes in demand have impacted the complexity of the water distribution system.

1.3 Staff Certification

The City's water system is monitored, operated, and maintained by a team of qualified personnel who are certified by the 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 2022 Event Summary

2.1 Water Main Breaks

The City repaired 5 water main breaks in 2022. The details of these breaks are shown in the table below.

Table #2: Water Main Breaks

Location	Age of Pipe (years)	Pipe Material	Type of Break	Duration of Shutdown (hours)	Number of Service Connections Affected
961 Wallace Wynd	60	Cast Iron	Circumferential	1	9
571 Ioco Road	60	Cast Iron	Rupture/blow-out	11	41
642 Alderside Road	44	Ductile Iron	Circumferential	3	4
428 Culzean Place	60	Cast Iron	Circumferential	3	41
843 Ioco Road	60	Cast Iron	Circumferential	4	98

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 C651-14 AWWA Standard for Disinfecting Water Mains (AWWA, 2015). Following completion of these procedures, the water main is flushed until field water quality parameters match background values.

2.2 Extension of Regional Stage 1 Water Restrictions

Early fall 2022 saw higher than average demand for water across Metro Vancouver, as well as the continuation of a long period of warm dry weather that began in early summer. As a result, water restrictions in the region were extended to October 31. The extension of restrictions was intended to preserve regional drinking water supplies until the resumption of typical wet weather in the fall.

The extension delayed the start of the City's annual water main flushing program by more than 2 weeks. No water quality or operational challenges related to regional water restrictions were encountered in Port Moody.

2.3 Metro Vancouver Drinking Water Conservation Plan Summer Support Program

The City participated in a Metro Vancouver pilot program to provide enhanced monitoring and public education related to water conservation. This program was developed as part of the region's Drinking Water Conservation Plan. Metro Vancouver staff conducted patrols of areas where non-compliant water use impacts the operation of the City's water system, including the following neighbourhoods:

- Heritage Woods
- Heritage Mountain
- Noons Creek
- Mountain Meadows
- Twin Creeks

Metro Vancouver staff distributed jointly branded Metro Vancouver and City of Port Moody educational materials to properties that were observed to be non-compliant with water use restrictions, and also provided the results of their monitoring to City staff for the purpose of bylaw enforcement.

Between July 1 and August 31 the Drinking Water Conservation Plan Summer Support Program observed 22 instances of non-compliance with water use restrictions, 32% of which resulted from the use of automatic irrigation systems and 68% from manual watering. Another 50 suspected instances of non-compliance were identified. No instances of repeated non-compliance at any individual property were noted.

2.4 Variance from Drinking Water Sample Collection Fee for Service Agreement

The City's fee for service agreement with Metro Vancouver to provide drinking water sampling collection and analysis specifies that 48 drinking water samples are to be collected each month. This exceeds the requirement for 37 samples per month in the BCDWPR. Table #3 shows the actual number of samples collected in the City's water distribution system along with the number of samples required by the BCDWPR and the City's fee for service agreement with Metro Vancouver.

Table #3: Number of Samples Collected by Month

Month	Number of Samples Collected	Number of Samples Required by BCDWPR	Number of Samples Required by Fee for Service Agreement
January	49	37	48
February	61	37	48
March	63	37	48
April	38	37	48
May	64	37	48
June	47	37	48
July	60	37	48
August	69	37	48
September	52	37	48
October	50	37	48
November	57	37	48
December	43	37	48
Total	**653**	**433**	**572**

Metro Vancouver advised the City that staff shortages in April and June, as well as freezing weather in December, contributed to the variance from the fee for service agreement. The overall number of samples taken in 2022 still exceeded the requirements of the *DWPR*.

In June 2022, the City extended the fee for service agreement with Metro Vancouver for an additional 3 year term until December 31st, 2026.

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 7 calls related to aesthetic water quality characteristics.

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 2022, the City completed uni-directional flushing on 42 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 2022 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 no fewer than 38 were taken in any given month. A total of 653 samples were collected from the City's distribution system in 2022. 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 #4 outlines the frequency with which these qualities are sampled and analyzed.

Table #4: 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
pH	Municipal distribution system	Quarterly
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 2022 metals sampling results can be found in Appendix #3.

4.1.2 Disinfection By-Products

Disinfection by-product (DBP) formation occurs when chlorine reacts with dissolved organic compounds present in drinking water. These reactions produce two main groups of DBPs, trihalomethanes (THM) and haloacetic acids (HAA). A complete record of 2022 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, it is possible for PVC pipes to allow vinyl chlorides to migrate into drinking water. The Guidelines for Canadian Drinking Water Quality(GCDWQ) set a MAC for vinyl chloride at 2 µg/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 2022 were below MAC values. A complete record of 2022 Vinyl Chloride sampling results can be found in Appendix #5.

4.2 Bacteriological Quality

All bacteriological 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/100 mL 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 2022 bacteriological water quality sampling results can be found in Appendix #1.

Figure#1: Number of Bacterial Samples Analyzed per Month

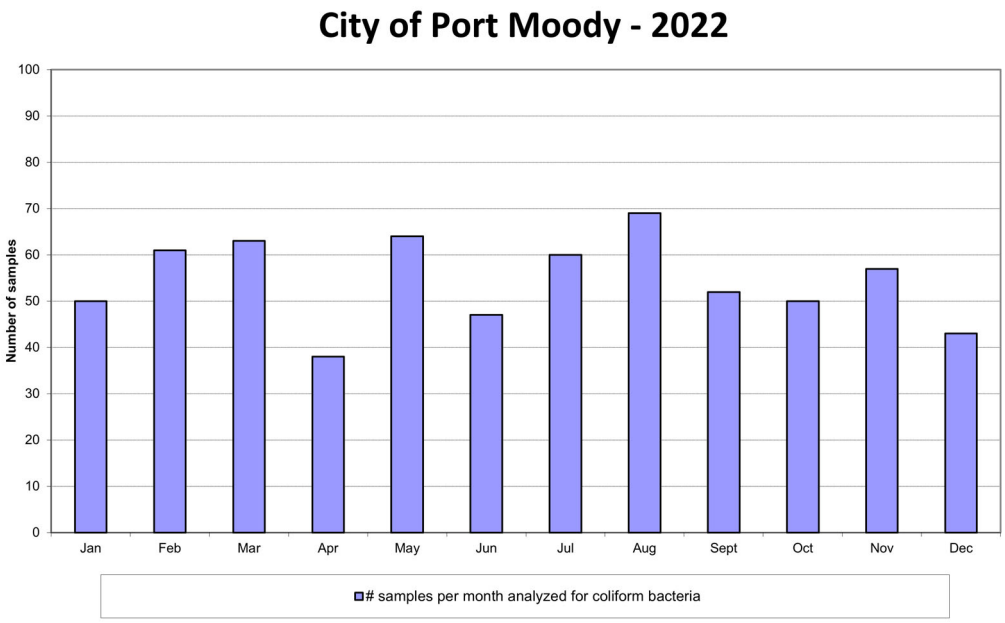


Figure #2: 2022 Monthly Heterotrophic Plate Count Results >500 CFU/mls

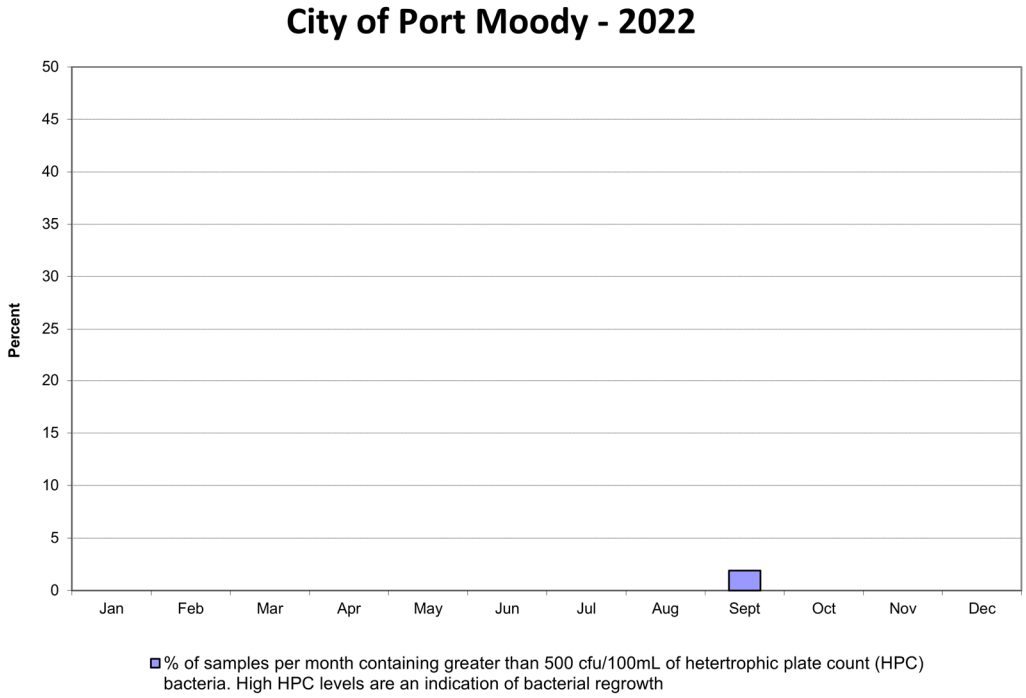
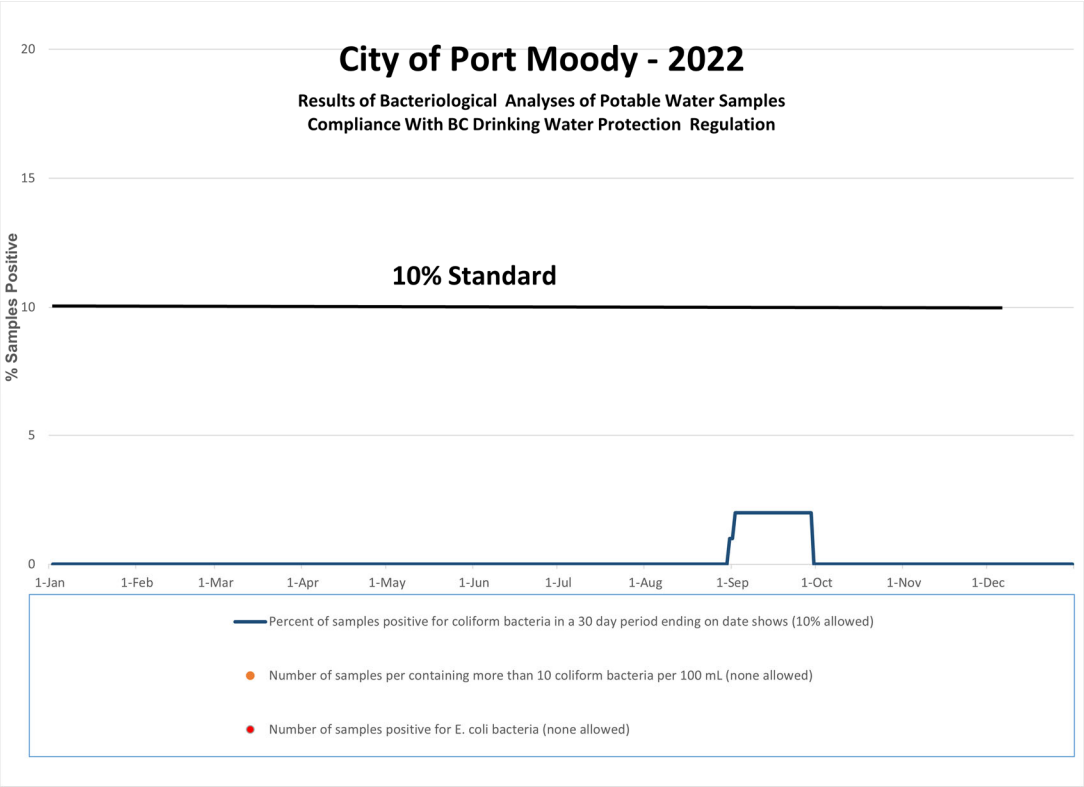


Figure #3: Results of Bacteriological Analysis of Potable Water Samples and Compliance with BCDWPR



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 April Road, Pleasantside, Ioco, Twin Creeks, 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

Water mains on Kings Court, Harvard Drive, and Oxford Drive reached the end of their useful life and were replaced in 2022.

The City selected a new Supervisory Control and Data Acquisition(SCADA) system, and a contractor to implement the new system in 2022. Preliminary work, intended to allow for

conversion of the existing technology that is in use to be transitioned to the new system, was started in late 2022.

6.0 Conclusion

In 2022, 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. (2015). *ANSI/AWWA C651-14 – 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
2022-01-04 13:12	0.27	<1	<2	7.6	<1	0.45
2022-01-06 08:50	0.14	<1	<2	6.6	<1	0.38
2022-01-10 08:02	0.29	<1	<2	6.2	<1	0.64
2022-01-20 09:35	0.28	<1	<2	7	<1	0.36
2022-01-26 09:21	0.33	<1	<2	7.2	<1	0.32
2022-02-03 10:25	0.21	<1	<2	6.7	<1	0.32
2022-02-08 11:46	0.43	<1	<2	6.9	<1	0.37
2022-02-10 09:04	0.26	<1	<2	6.8	<1	0.34
2022-02-11 12:18	0.36	<1	<2	8.6	<1	0.28
2022-02-15 11:59	0.45	<1	<2	8	<1	0.31
2022-02-24 10:27	0.31	<1	<2	7.1	<1	0.37
2022-03-04 09:39	0.3	<1	<2	7.5	<1	0.47
2022-03-09 13:51	0.25	<1	<2	8	<1	0.36
2022-03-10 12:31	0.35	<1	<2	7.5	<1	0.32
2022-03-16 09:42	0.2	<1	<2	7.6	<1	0.44
2022-03-21 09:58	0.24	<1	<2	7.9	<1	0.39
2022-03-30 09:18	0.21	<1	<2	8.4	<1	0.3
2022-04-07 12:24	0.29	<1	<2	8.9	<1	0.35
2022-04-11 11:22	0.38	<1	<2	9.1	<1	0.6
2022-04-20 11:37	0.27	<1	<2	8.1	<1	0.27
2022-04-26 12:49	0.26	<1	<2	9.1	<1	0.25
2022-05-02 09:02	0.33	<1	2	10.1	<1	0.39
2022-05-11 11:05	0.2	<1	10	11	<1	0.2
2022-05-12 13:10	0.25	<1	<2	12.2	<1	0.25
2022-05-18 11:27	0.27	<1	<2	11	<1	0.32
2022-05-25 13:49	0.73	<1	<2	12.1	<1	0.35
2022-05-30 11:58	0.7	<1	<2	9.9	<1	0.36
2022-06-04 12:02	0.74	<1	8	10.5	<1	0.21
2022-06-08 09:15	0.2	<1	<2	11.9	<1	0.23
2022-06-14 07:31	0.19	<1	12	13.5	<1	0.29
2022-06-20 12:06	0.2	<1	2	13.4	<1	0.31
2022-07-02 08:36	0.27	<1	<2	13.1	<1	0.23
2022-07-05 11:12	0.21	<1	10	15.4	<1	0.32
2022-07-06 10:34	0.13	<1	<2	14.9	<1	0.25
2022-07-13 09:17	0.08	<1	<2	15.6	<1	0.26
2022-07-21 11:48	0.13	<1	<2	16	<1	0.23
2022-07-26 12:03	0.15	<1	4	18.6	<1	0.49
2022-08-02 12:46	0.1	<1	6	15.9	<1	0.23
2022-08-04 09:42	0.13	<1	<2	18.1	<1	0.22
2022-08-09 10:51	0.18	<1	<2	18.1	<1	0.18
2022-08-17 08:44	0.14	<1	<2	18.4	<1	0.24
2022-08-18 08:07	0.36	<1	240	18.4	<1	0.21
2022-08-24 08:48	0.05	<1	<2	18.8	<1	0.3
2022-08-30 11:47	0.24	<1	10	18.3	<1	0.45
2022-09-08 10:48	0.19	<1	<2	16.7	<1	0.19
2022-09-12 12:16	0.16	<1	<2	18.3	<1	0.29
2022-09-22 13:29	0.18	<1	<2	17.4	<1	0.29
2022-09-23 11:46	0.13	<1	26	17.4	<1	0.37
2022-09-27 12:17	0.15	<1	<2	17.2	<1	0.32
2022-10-04 10:33	0.15	<1	4	16.6	<1	0.17
2022-10-11 10:57	0.15	<1	4	18.1	<1	0.26
2022-10-22 12:17	0.13	<1	2	16	<1	0.27
2022-10-24 12:43	0.17	<1	<2	14.1	<1	0.43
2022-10-28 07:52	0.04	<1	4	15	<1	0.33

2022-11-01 12:33	0.1	<1	18	15	<1	0.52
2022-11-07 11:49	0.1	<1	10	14	<1	0.61
2022-11-14 09:19	0.06	<1	8	12	<1	0.51
2022-11-23 12:06	0.11	<1	<2	9	<1	0.27
2022-11-30 11:28	0.08	<1	4	9	<1	0.24
2022-12-09 11:38	0.2	<1	<2	8	<1	0.25
2022-12-12 13:00	0.19	<1	<2	8	<1	0.28
2022-12-15 13:00	0.13	<1	<2	8	<1	0.26
2022-12-30 08:52	0.18	<1	NA	7	<1	2.4

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
2022-01-06 10:41	0.78	<1	<2	5.5	<1	0.44
2022-01-10 09:13	0.66	<1	<2	5.2	<1	0.59
2022-01-20 11:01	0.6	<1	<2	6	<1	0.39
2022-01-21 11:14	0.56	<1	<2	7.7	<1	0.65
2022-01-26 07:30	0.63	<1	<2	5.9	<1	0.3
2022-02-03 09:19	0.71	<1	2	5.7	<1	0.39
2022-02-08 07:01	0.64	<1	<2	6.2	<1	0.37
2022-02-10 08:33	0.52	<1	<2	5.7	<1	0.34
2022-02-15 09:43	0.4	<1	<2	6.4	<1	0.29
2022-02-16 08:50	0.53	<1	<2	6.3	<1	0.34
2022-02-24 13:29	0.74	<1	<2	5.8	<1	0.3
2022-03-01 13:23	0.76	<1	<2	8	<1	0.69
2022-03-10 10:04	0.46	<1	<2	6.8	<1	0.36
2022-03-16 08:06	0.61	<1	<2	6.9	<1	0.53
2022-03-21 09:11	0.61	<1	<2	6.6	<1	0.37
2022-03-25 10:52	0.41	<1	<2	6.6	<1	0.36
2022-03-30 08:10	0.65	<1	<2	7	<1	0.34
2022-04-07 11:37	0.57	<1	<2	7	<1	0.38
2022-04-11 10:31	0.41	<1	<2	7.1	<1	0.31
2022-04-20 08:49	0.33	<1	<2	7.5	<1	0.26
2022-04-26 09:12	0.45	<1	2	7.9	<1	0.26
2022-05-02 08:14	0.49	<1	<2	8.2	<1	0.28
2022-05-11 08:53	0.58	<1	<2	8.8	<1	0.26
2022-05-12 08:15	0.43	<1	<2	8.9	<1	0.23
2022-05-13 13:16	0.43	<1	<2	9	<1	0.23
2022-05-18 09:18	0.37	<1	<2	9	<1	0.26
2022-05-24 07:31	0.45	<1	<2	9.5	<1	0.21
2022-05-30 10:32	0.57	<1	2	10	<1	0.27
2022-06-04 10:51	0.51	<1	<2	10.5	<1	0.21
2022-06-08 08:18	0.39	<1	<2	10.7	<1	0.25
2022-06-13 09:00	0.3	<1	2	11.3	<1	0.27
2022-06-18 09:34	0.54	<1	<2	11.9	<1	0.2
2022-06-24 09:50	0.45	<1	<2	13.3	<1	0.24
2022-07-02 08:54	0.43	<1	<2	12	<1	0.21
2022-07-05 09:07	0.41	<1	<2	12.2	<1	0.19
2022-07-06 10:03	0.3	<1	<2	12.2	<1	0.18
2022-07-13 08:11	0.26	<1	<2	12.5	<1	0.23
2022-07-20 13:39	0.32	<1	<2	14.1	<1	0.22
2022-07-26 13:14	0.38	<1	<2	15.8	<1	0.23
2022-07-29 12:36	0.33	<1	<2	15.1	<1	0.28
2022-08-02 13:22	0.38	<1	<2	14.7	<1	0.25
2022-08-09 09:03	0.31	<1	16	14.6	<1	0.22
2022-08-13 09:46	0.34	<1	<2	15.7	<1	0.19
2022-08-17 08:12	0.24	<1	<2	14.8	<1	0.21
2022-08-24 08:13	0.28	<1	2	15.4	<1	0.27
2022-08-30 08:37	0.43	<1	<2	15.6	<1	0.25
2022-09-06 12:57	0.3	<1	<2	16	<1	0.27

2022-09-08 08:51	0.32	<1	<2	15.8	<1	0.23
2022-09-14 09:03	0.27	<1	<2	15.8	<1	0.22
2022-09-22 08:42	0.25	<1	<2	15.4	<1	0.24
2022-09-27 08:40	0.3	<1	<2	15.9	<1	0.23
2022-10-04 08:35	0.27	<1	2	15.6	<1	0.22
2022-10-11 08:55	0.24	<1	12	13.9	<1	0.24
2022-10-22 07:49	0.48	<1	<2	14.2	<1	0.25
2022-10-24 07:40	0.25	<1	<2	15.8	<1	0.26
2022-10-28 07:39	0.18	<1	<2	13	<1	0.26
2022-11-01 11:05	0.33	<1	<2	13	<1	0.33
2022-11-07 09:33	0.3	<1	<2	12	<1	0.36
2022-11-10 08:04	0.45	<1	<2	11	<1	0.28
2022-11-14 08:23	0.26	<1	<2	10	<1	0.26
2022-11-23 07:01	0.41	<1	<2	9	<1	0.23
2022-11-29 07:24	0.37	<1	<2	8	<1	0.25
2022-12-09 09:49	0.28	<1	<2	7	<1	0.19
2022-12-12 11:47	0.47	<1	<2	8	<1	0.19
2022-12-22 11:05	0.39	<1	NA	6	<1	0.17
2022-12-30 07:38	0.39	<1	NA	6	<1	0.74

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
2022-01-06 07:43	0.59	<1	<2	5.5	<1	0.25
2022-01-10 07:05	0.58	<1	<2	5.6	<1	0.14
2022-01-18 10:09	0.38	<1	<2	6.1	<1	0.16
2022-01-19 13:03	0.41	<1	<2	8.1	<1	0.22
2022-01-20 07:20	0.44	<1	2	7	<1	0.17
2022-01-21 13:22	0.48	<1	<2	8.1	<1	0.23
2022-01-26 10:17	0.46	<1	<2	7.3	<1	0.23
2022-01-28 12:38	0.47	<1	<2	7.3	<1	0.19
2022-02-03 13:06	0.27	<1	<2	6.4	<1	0.17
2022-02-08 12:43	0.45	<1	<2	6.5	<1	0.17
2022-02-10 07:19	0.41	<1	420	6.7	<1	0.19
2022-02-11 13:00	0.42	<1	<2	9.3	<1	0.16
2022-02-15 13:58	0.52	<1	<2	7.2	<1	0.16
2022-02-16 13:38	0.37	<1	<2	8.2	<1	0.33
2022-02-24 08:32	0.67	<1	<2	7.1	<1	0.18
2022-03-01 14:09	0.46	<1	<2	8.3	<1	0.15
2022-03-10 13:27	0.43	<1	<2	7.3	<1	0.23
2022-03-16 10:26	0.25	<1	<2	7	<1	1.6
2022-03-21 08:00	0.34	<1	<2	7.8	<1	0.36
2022-03-25 11:33	0.55	<1	<2	9.1	<1	0.12
2022-03-30 06:56	0.36	<1	<2	8.8	<1	0.13
2022-03-31 12:51	0.55	<1	<2	8.1	<1	0.15
2022-04-07 10:37	0.36	<1	<2	9.3	<1	0.17
2022-04-11 09:30	0.21	<1	<2	9.8	<1	0.1
2022-04-20 12:46	0.4	<1	<2	8.3	<1	0.09
2022-04-26 13:52	0.36	<1	<2	8	<1	0.11
2022-05-02 06:58	0.3	<1	2	11.1	<1	0.08
2022-05-09 13:36	0.38	<1	<2	8.8	<1	0.11
2022-05-11 12:29	0.35	<1	22	11.6	<1	0.13
2022-05-13 13:30	0.29	<1	<2	11.9	<1	0.13
2022-05-18 13:16	0.54	<1	<2	10.9	<1	0.12
2022-05-24 07:14	0.25	<1	<2	12.9	<1	0.1
2022-05-30 09:13	0.3	<1	<2	13.4	<1	0.12
2022-06-03 13:09	0.27	<1	<2	14.1	<1	0.12
2022-06-08 07:08	0.25	<1	<2	14.3	<1	0.22
2022-06-13 12:56	0.29	<1	<2	12.8	<1	0.14
2022-06-18 10:29	0.44	<1	<2	12.4	<1	0.19
2022-06-20 13:15	0.37	<1	2	13.5	<1	0.16
2022-07-02 11:16	0.6	<1	<2	15.5	<1	0.17
2022-07-06 09:47	0.27	<1	<2	16.8	<1	0.13
2022-07-13 07:00	0.2	<1	8	16.7	<1	0.12
2022-07-20 12:09	0.33	<1	6	17	<1	0.14
2022-07-21 12:26	0.28	<1	4	17.6	<1	0.14
2022-07-26 13:44	0.28	<1	8	17.2	<1	0.18
2022-08-03 09:46	0.17	<1	18	19.4	<1	0.15
2022-08-04 07:19	0.13	<1	6	20.1	<1	0.19
2022-08-08 13:44	0.26	<1	6	18.4	<1	0.18

2022-08-10 13:06	0.28	<1	4	20	<1	0.14
2022-08-11 12:10	0.12	<1	10	19.4	<1	0.23
2022-08-13 10:29	0.13	<1	12	19.1	<1	0.18
2022-08-17 07:00	0.05	<1	16	19.8	<1	0.23
2022-08-24 06:53	0.12	<1	4	19.9	<1	0.16
2022-08-30 08:59	0.24	<1	52	19.9	<1	0.13
2022-09-08 11:50	0.2	<1	10	19	<1	0.13
2022-09-12 13:24	0.26	<1	16	20.1	<1	0.13
2022-09-14 11:46	0.26	<1	26	18.3	<1	0.11
2022-09-23 12:36	0.22	<1	52	16.3	<1	0.31
2022-09-27 13:44	0.18	<1	10	17.2	<1	0.31
2022-10-04 11:37	0.15	<1	58	18.8	<1	0.17
2022-10-07 13:24	0.22	<1	10	18	<1	0.21
2022-10-11 12:11	0.39	<1	16	18	<1	0.25
2022-10-24 13:47	0.16	<1	20	16.4	<1	0.21
2022-10-26 13:10	0.12	<1	26	16	<1	0.23
2022-10-27 13:51	0.15	<1	38	16	<1	0.19
2022-10-28 06:58	0.19	<1	28	15	<1	0.21
2022-10-31 13:15	0.22	<1	4	14	<1	0.17
2022-11-07 13:34	0.3	<1	16	11	<1	0.15
2022-11-10 12:28	0.24	<1	8	12	<1	0.15
2022-11-14 07:11	0.22	<1	2	12	<1	0.14
2022-11-23 13:03	0.29	<1	8	10	<1	0.21
2022-11-30 12:21	0.24	<1	<2	10	<1	0.11
2022-12-02 12:55	0.42	<1	<2	10	<1	0.12
2022-12-09 13:33	0.32	<1	4	8	<1	0.18
2022-12-12 13:33	0.4	<1	2	8	<1	0.12
2022-12-15 13:39	0.31	<1	<2	8	<1	0.14
2022-12-16 13:31	0.38	<1	<2	8	<1	0.15
2022-12-21 07:21	0.38	<1	NA	8	<1	0.15
2022-12-22 12:49	0.29	<1	NA	7	<1	0.11

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
2022-01-04 12:59	0.92	<1	<2	7.8	<1	0.48
2022-01-06 08:59	1.47	<1	<2	5.3	<1	0.46
2022-01-10 08:09	0.8	<1	4	5.3	<1	1
2022-01-20 09:47	0.91	<1	<2	6	<1	0.38
2022-01-21 12:38	0.89	<1	<2	7.8	<1	0.72
2022-01-26 08:59	0.91	<1	<2	7.9	<1	0.54
2022-02-03 10:36	0.73	<1	<2	6.4	<1	0.38
2022-02-08 12:04	0.97	<1	<2	6.5	<1	0.38
2022-02-10 09:10	0.88	<1	<2	6.5	<1	0.34
2022-02-11 12:07	0.95	<1	<2	7.9	<1	0.45
2022-02-15 11:32	0.96	<1	<2	6	<1	0.34
2022-02-16 12:51	0.93	<1	<2	7.5	<1	0.39
2022-02-24 10:34	0.9	<1	<2	6.8	<1	0.35
2022-03-03 13:27	0.66	<1	<2	8.1	<1	0.67
2022-03-09 13:29	0.3	<1	<2	7.8	<1	0.45
2022-03-10 12:38	0.93	<1	<2	7.2	<1	0.39
2022-03-16 09:34	0.87	<1	2	7.5	<1	0.73
2022-03-21 10:03	0.92	<1	<2	7.8	<1	0.5
2022-03-30 09:24	0.91	<1	2	8.6	<1	0.53
2022-03-31 12:05	0.93	<1	<2	8	<1	0.41
2022-04-07 12:31	0.92	<1	<2	8.8	<1	0.34
2022-04-11 11:26	0.84	<1	<2	9	<1	0.51
2022-04-20 11:29	0.95	<1	<2	7.9	<1	0.36
2022-04-26 12:43	0.91	<1	<2	7.7	<1	0.22
2022-05-02 09:08	0.94	<1	<2	10.2	<1	0.74
2022-05-09 12:36	0.88	<1	<2	8.5	<1	0.39
2022-05-11 10:44	0.77	<1	<2	10.4	<1	0.34
2022-05-12 13:01	0.71	<1	2	11.1	<1	0.25
2022-05-18 11:15	0.67	<1	<2	11.1	<1	0.34
2022-05-25 13:43	0.9	<1	<2	11.7	<1	0.34
2022-05-30 12:13	1.12	<1	<2	10.2	<1	0.25
2022-06-04 12:18	1.27	<1	<2	10.9	<1	0.25
2022-06-06 13:29	0.63	<1	<2	13	<1	0.24
2022-06-08 09:21	0.82	<1	<2	12.4	<1	0.36
2022-06-13 11:21	0.77	<1	<2	13.6	<1	0.41
2022-06-14 07:24	0.7	<1	<2	11.1	<1	0.19
2022-06-20 12:00	0.77	<1	<2	12.9	<1	0.27
2022-06-25 06:46	0.76	<1	2	13.3	<1	0.19
2022-07-02 08:41	0.89	<1	<2	13.9	<1	0.23
2022-07-05 11:05	0.68	<1	<2	13.4	<1	0.17
2022-07-06 10:40	0.63	<1	<2	13	<1	0.28
2022-07-13 09:23	0.85	<1	2	15.9	<1	0.25
2022-07-20 10:49	0.56	<1	<2	13.3	<1	0.17
2022-07-26 11:54	0.43	<1	<2	15.2	<1	0.28
2022-08-02 12:33	0.48	<1	<2	16.6	<1	0.2
2022-08-04 09:58	0.74	<1	<2	17.6	<1	0.19
2022-08-05 09:02	0.62	<1	<2	14.6	<1	0.23

2022-08-09 10:40	0.66	<1	<2	15	<1	0.19
2022-08-17 08:49	0.64	<1	<2	17.2	<1	0.23
2022-08-24 08:54	0.57	<1	<2	17.7	<1	0.24
2022-08-30 12:06	0.88	<1	<2	16.4	<1	0.26
2022-09-08 10:27	0.45	<1	<2	18.4	<1	0.2
2022-09-12 12:05	0.44	<1	<2	18.2	<1	0.25
2022-09-14 10:44	0.41	<1	<2	16.1	<1	0.2
2022-09-15 11:59	0.43	<1	<2	18.2	<1	0.24
2022-09-22 13:26	0.36	<1	<2	15.5	<1	0.26
2022-09-23 11:39	0.49	<1	<2	15.2	<1	0.25
2022-09-27 12:08	0.47	<1	<2	16	<1	0.29
2022-10-04 10:22	0.34	<1	<2	15.7	<1	0.27
2022-10-11 10:49	0.28	<1	<2	15.1	<1	0.24
2022-10-22 12:31	0.59	<1	<2	16	<1	0.25
2022-10-24 12:20	0.59	<1	30	12.8	<1	0.58
2022-10-27 13:23	0.45	<1	<2	14	<1	0.29
2022-10-28 07:58	0.26	<1	<2	15	<1	0.33
2022-11-01 12:20	0.42	<1	<2	13	<1	0.34
2022-11-07 11:31	0.27	<1	<2	11	<1	0.58
2022-11-10 09:11	0.39	<1	<2	12	<1	0.3
2022-11-14 09:28	0.51	<1	2	11	<1	0.6
2022-11-23 12:18	0.63	<1	<2	9	<1	0.29
2022-11-30 11:40	0.57	<1	<2	9	<1	0.22
2022-12-09 11:30	0.81	<1	<2	8	<1	0.24
2022-12-12 12:51	0.69	<1	<2	7	<1	0.27
2022-12-15 12:49	0.61	<1	2	8	<1	0.23
2022-12-22 11:34	0.55	<1	NA	6	<1	0.18
2022-12-30 08:42	0.38	<1	NA	7	<1	1.9

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
2022-01-06 09:29	0.88	<1	48	4.7	<1	1.5
2022-01-10 08:45	1.1	<1	76	4.7	<1	1.1
2022-01-20 08:35	1.1	<1	24	6	<1	0.49
2022-01-26 08:14	0.68	<1	10	7.1	<1	0.43
2022-02-03 11:59	0.97	<1	4	4.3	<1	0.36
2022-02-08 10:46	0.98	<1	<2	5.3	<1	0.45
2022-02-10 09:40	0.96	<1	<2	5.5	<1	0.41
2022-02-15 10:27	1.09	<1	<2	6.3	<1	0.31
2022-03-02 12:43	0.78	<1	<2	7.4	<1	0.74
2022-03-09 12:34	0.53	<1	<2	7.1	<1	0.47
2022-03-16 08:39	0.9	<1	<2	6.9	<1	0.63
2022-03-21 10:31	0.92	<1	<2	6.3	<1	0.37
2022-03-30 09:55	1.01	<1	<2	6.6	<1	0.4
2022-04-11 11:52	0.9	<1	2	6	<1	0.29
2022-04-20 10:26	0.62	<1	<2	7.2	<1	0.28
2022-04-26 12:07	1.53	<1	<2	7.1	<1	0.35
2022-05-02 09:37	1.28	<1	2	7.8	<1	0.31
2022-05-06 13:09	1.04	<1	<2	8.5	<1	0.28
2022-05-09 12:19	0.93	<1	<2	9.5	<1	0.25
2022-05-11 09:51	0.89	<1	2	8.4	<1	0.28
2022-05-18 10:25	1.21	<1	<2	8.4	<1	0.27
2022-05-28 12:16	0.92	<1	<2	9	<1	0.37
2022-06-03 08:38	0.92	<1	<2	10	<1	0.28
2022-06-08 09:48	1.05	<1	<2	9.6	<1	0.29
2022-06-13 10:04	1.24	<1	12	10.7	<1	0.35
2022-06-23 11:04	0.92	<1	2	9.3	<1	0.24
2022-06-24 11:05	1.67	<1	2	10.2	<1	0.29
2022-07-02 07:52	0.74	<1	10	9.5	<1	0.28
2022-07-05 10:14	0.91	<1	2	11	<1	0.27
2022-07-13 09:51	0.77	<1	32	10.5	<1	0.48
2022-07-20 09:57	0.61	<1	70	12	<1	0.19
2022-07-26 11:05	1.07	<1	100	12.7	<1	0.35
2022-08-03 08:47	0.71	<1	150	13.4	<1	0.23
2022-08-04 10:22	0.85	<1	46	11.7	<1	0.31
2022-08-09 09:52	0.42	<1	82	13.5	<1	0.27
2022-08-17 09:16	0.63	<1	84	13.8	<1	0.31
2022-08-24 09:22	0.81	<1	34	13.6	<1	0.54
2022-08-30 11:01	0.91	<1	290	14.6	<1	0.31
2022-09-08 09:32	0.97	<1	380	15.3	<1	0.37
2022-09-14 10:03	0.84	<1	500	16.1	<1	0.3
2022-09-23 11:00	0.49	<1	120	15.5	<1	0.26
2022-09-27 11:24	0.29	<1	440	15.9	<1	0.25
2022-10-04 09:35	0.62	<1	280	14.8	<1	0.27
2022-10-11 09:54	0.62	<1	370	14.1	<1	0.6
2022-10-28 09:48	0.41	<1	<2	13	<1	0.29
2022-11-04 08:49	0.63	<1	<2	11	<1	0.69
2022-11-07 10:39	0.55	<1	2	11	<1	0.44

2022-11-10 08:46	1	<1	50	10	<1	0.37
2022-11-14 09:54	0.93	<1	30	9	<1	0.34
2022-11-23 11:06	1.01	<1	<2	8	<1	0.34
2022-11-30 10:35	0.47	<1	4	8	<1	0.24
2022-12-09 10:50	0.75	<1	20	6	<1	0.32
2022-12-14 10:18	0.49	<1	32	7	<1	0.17
2022-12-30 08:17	0.49	<1	NA	7	<1	0.86

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
2022-01-06 08:21	0.65	<1	<2	4.9	<1	0.43
2022-01-10 07:45	0.83	<1	<2	4.5	<1	0.59
2022-01-20 07:50	0.82	<1	<2	6	<1	0.39
2022-01-26 09:48	0.75	<1	<2	7	<1	0.32
2022-02-05 06:35	0.49	<1	<2	5.8	<1	0.47
2022-02-08 07:20	0.69	<1	<2	6.3	<1	0.38
2022-02-10 07:51	0.64	<1	4	5.6	<1	0.34
2022-02-15 13:07	0.88	<1	<2	7.2	<1	0.38
2022-02-24 08:58	0.79	<1	<2	6.4	<1	0.28
2022-03-02 13:43	0.46	<1	<2	7.9	<1	0.65
2022-03-10 12:55	0.51	<1	<2	7.8	<1	0.31
2022-03-16 10:06	0.37	<1	<2	7.3	<1	0.49
2022-03-21 08:28	0.6	<1	<2	7.5	<1	0.35
2022-03-30 07:26	0.51	<1	<2	8	<1	0.29
2022-04-07 11:09	0.48	<1	<2	8.6	<1	0.28
2022-04-11 09:55	0.41	<1	<2	8.7	<1	0.27
2022-04-20 12:28	0.66	<1	<2	7.7	<1	0.22
2022-05-02 07:31	0.44	<1	<2	9.9	<1	0.2
2022-05-06 13:33	0.5	<1	<2	8.2	<1	0.24
2022-05-11 12:10	0.4	<1	<2	8.7	<1	0.36
2022-05-12 13:25	0.29	<1	<2	11.1	<1	0.2
2022-05-18 12:30	0.3	<1	<2	11.3	<1	0.25
2022-05-28 09:12	0.71	<1	<2	12	<1	0.22
2022-05-30 09:43	0.47	<1	6	11.9	<1	0.26
2022-06-08 07:38	0.35	<1	2	12.9	<1	0.2
2022-06-13 12:13	0.38	<1	<2	12.4	<1	0.25
2022-07-02 06:56	0.47	<1	<2	15	<1	0.22
2022-07-05 12:08	0.33	<1	<2	13.1	<1	0.17
2022-07-13 07:27	0.29	<1	<2	15.4	<1	0.22
2022-07-20 11:52	0.31	<1	2	12.7	<1	0.19
2022-07-26 13:24	0.47	<1	4	15.3	<1	0.32
2022-08-03 11:04	0.26	<1	<2	14.1	<1	0.17
2022-08-09 13:41	0.2	<1	<2	16.9	<1	0.2
2022-08-17 07:29	0.27	<1	<2	17.5	<1	0.21
2022-08-24 07:25	0.24	<1	<2	18.2	<1	0.2
2022-08-30 09:29	0.29	<1	16	16.4	<1	0.41
2022-09-08 11:17	0.44	<1	4	16.7	<1	0.21
2022-09-14 11:11	0.34	<1	4	15.2	<1	0.27
2022-09-23 12:11	0.53	<1	2	14.8	<1	0.24
2022-09-27 13:00	0.53	<1	<2	15.8	<1	0.29
2022-10-04 11:00	0.16	<1	2	16.7	<1	0.26
2022-10-11 11:50	0.44	<1	4	14.8	<1	0.27
2022-10-22 08:38	0.31	<1	98	15.8	<1	0.27
2022-10-28 07:32	0.26	<1	<2	14	<1	0.28
2022-11-04 09:17	0.19	<1	<2	11	<1	0.41
2022-11-07 13:00	0.17	<1	<2	11	<1	0.83
2022-11-14 07:40	0.17	<1	<2	11	<1	0.27

2022-11-23 06:48	0.08	<1	<2	9	<1	0.22
2022-11-30 08:01	0.14	<1	<2	10	<1	0.21
2022-12-09 12:42	0.18	<1	2	8	<1	0.25
2022-12-16 07:47	0.16	<1	<2	8	<1	0.17
2022-12-21 07:46	0.27	<1	NA	7	<1	0.19
2022-12-22 12:29	0.4	<1	NA	6	<1	0.18

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
2022-01-06 07:56	0.51	<1	2	3.8	<1	0.25
2022-01-10 07:20	0.58	<1	2	3.4	<1	0.16
2022-01-18 10:20	0.6	<1	<2	4.1	<1	0.18
2022-01-19 13:31	0.53	<1	2	8.3	<1	0.14
2022-01-20 07:02	0.47	<1	<2	5	<1	0.13
2022-01-26 10:33	0.59	<1	<2	7.4	<1	0.32
2022-01-28 12:55	0.77	<1	<2	5.2	<1	0.21
2022-02-03 12:35	0.57	<1	2	5.8	<1	0.15
2022-02-08 13:00	0.39	<1	2	5.1	<1	0.16
2022-02-10 07:28	0.62	<1	<2	5.8	<1	0.15
2022-02-11 13:21	0.6	<1	<2	8.1	<1	0.11
2022-02-15 13:40	0.57	<1	<2	6.5	<1	0.19
2022-02-24 08:41	0.62	<1	<2	5	<1	0.14
2022-03-02 09:48	0.4	<1	<2	8.3	<1	0.14
2022-03-10 13:16	0.65	<1	<2	6.7	<1	0.13
2022-03-16 10:36	0.54	<1	<2	7.1	<1	0.1
2022-03-21 08:09	0.48	<1	2	6.6	<1	0.14
2022-03-25 11:22	0.66	<1	<2	7.1	<1	0.12
2022-03-30 07:05	0.41	<1	<2	8.1	<1	0.16
2022-04-07 10:46	0.47	<1	<2	8.1	<1	0.11
2022-04-11 09:37	0.49	<1	<2	8	<1	0.08
2022-04-20 12:59	0.37	<1	<2	7.8	<1	0.1
2022-05-02 07:08	0.44	<1	<2	9.3	<1	0.11
2022-05-09 13:50	0.37	<1	<2	10.3	<1	0.1
2022-05-11 12:43	0.37	<1	<2	10.9	<1	0.12
2022-05-18 13:36	0.79	<1	<2	10.7	<1	0.12
2022-05-24 07:07	0.2	<1	<2	11.1	<1	0.11
2022-05-30 09:21	0.53	<1	<2	11.7	<1	0.13
2022-06-08 07:17	0.5	<1	<2	12.8	<1	0.4
2022-06-13 12:38	0.38	<1	<2	11.7	<1	0.14
2022-06-18 10:01	0.54	<1	<2	13.3	<1	0.16
2022-07-02 11:39	0.71	<1	<2	10.6	<1	0.2
2022-07-06 09:34	0.29	<1	<2	15.1	<1	0.11
2022-07-13 07:07	0.42	<1	2	15.9	<1	0.17
2022-07-20 12:20	0.24	<1	2	15.3	<1	0.13
2022-07-26 13:56	0.25	<1	<2	15.5	<1	0.23
2022-08-03 10:38	0.25	<1	<2	15.5	<1	0.2
2022-08-10 13:27	0.27	<1	10	14.8	<1	0.16
2022-08-11 12:28	0.24	<1	2	18.2	<1	0.2
2022-08-13 10:06	0.48	<1	<2	18	<1	0.12
2022-08-17 07:07	0.22	<1	<2	17.9	<1	0.13
2022-08-24 07:04	0.2	<1	2	18.7	<1	0.17
2022-08-30 09:15	0.26	<1	<2	18.9	<1	0.14
2022-09-08 11:37	0.24	<1	8	16.8	<1	0.11
2022-09-14 11:59	0.26	<1	12	17.1	<1	0.11
2022-09-23 12:27	0.36	<1	6	16	<1	0.23
2022-09-27 13:30	0.32	<1	<2	16.6	<1	0.26

2022-10-04 11:21	0.25	<1	<2	16.3	<1	0.21
2022-10-11 12:05	0.29	<1	2	16	<1	0.19
2022-10-22 13:09	0.64	<1	LA	14	<1	0.23
2022-10-24 13:34	0.19	<1	<2	13	<1	0.21
2022-10-28 07:08	0.32	<1	2	13	<1	0.29
2022-10-31 13:28	0.25	<1	<2	14	<1	0.17
2022-11-07 13:55	0.33	<1	<2	11	<1	0.13
2022-11-10 12:10	0.4	<1	<2	10	<1	0.13
2022-11-14 07:18	0.5	<1	2	9	<1	0.17
2022-11-23 13:15	0.7	<1	<2	9	<1	0.16
2022-11-30 12:04	0.44	<1	<2	7	<1	0.13
2022-12-09 13:18	0.41	<1	<2	7	<1	0.13
2022-12-16 07:28	0.44	<1	<2	6	<1	0.16
2022-12-21 07:33	0.48	<1	NA	5	<1	0.17
2022-12-22 13:05	0.33	<1	NA	6	<1	0.19

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
2022-01-06 10:01	0.81	<1	<2	5.3	<1	0.44
2022-01-10 08:27	1.13	<1	<2	5.3	<1	0.62
2022-01-20 08:17	1	<1	<2	7	<1	0.38
2022-01-26 09:34	0.68	<1	<2	7.2	<1	0.35
2022-02-03 10:59	1.11	<1	<2	6.3	<1	0.4
2022-02-08 10:17	0.91	<1	<2	5.4	<1	0.44
2022-02-10 10:28	0.82	<1	<2	6.6	<1	0.43
2022-02-15 12:14	0.85	<1	<2	7.5	<1	0.36
2022-02-24 10:48	0.97	<1	<2	6.3	<1	0.31
2022-03-04 09:28	0.6	<1	<2	7	<1	0.67
2022-03-10 11:56	0.76	<1	<2	7.2	<1	0.41
2022-03-16 09:53	0.87	<1	<2	5.9	<1	0.69
2022-03-21 11:06	0.81	<1	<2	8	<1	0.46
2022-03-30 10:33	0.94	<1	<2	8.8	<1	0.34
2022-04-11 12:19	0.67	<1	<2	8.4	<1	0.26
2022-04-20 11:53	0.53	<1	<2	7.4	<1	0.31
2022-04-26 13:06	0.74	<1	4	8.1	<1	0.27
2022-05-02 10:15	0.69	<1	<2	10.9	<1	0.31
2022-05-11 11:20	0.6	<1	<2	8.1	<1	0.23
2022-05-18 11:39	0.6	<1	<2	9.4	<1	0.32
2022-05-28 09:31	1.2	<1	<2	11	<1	0.29
2022-06-03 08:24	0.75	<1	<2	11.4	<1	0.28
2022-06-08 10:22	0.7	<1	<2	11.6	<1	0.24
2022-06-13 11:47	0.44	<1	<2	12.5	<1	0.22
2022-06-24 12:18	0.46	<1	<2	12.2	<1	0.27
2022-07-02 07:40	1.06	<1	<2	13.1	<1	0.26
2022-07-05 11:34	0.77	<1	<2	13	<1	0.28
2022-07-13 10:39	0.83	<1	<2	14	<1	0.26
2022-07-20 11:15	0.63	<1	4	14.4	<1	0.2
2022-07-26 12:19	0.36	<1	40	15.1	<1	0.28
2022-08-05 08:20	0.69	<1	80	14.8	<1	0.26
2022-08-09 11:11	0.61	<1	70	15.2	<1	0.21
2022-08-17 10:18	0.87	<1	16	16.1	<1	0.29
2022-08-24 10:20	0.78	<1	18	15.3	<1	0.35
2022-08-30 10:50	1.26	<1	12	16	<1	0.27
2022-09-08 11:06	0.61	<1	22	16.2	<1	0.26
2022-09-14 10:57	0.64	<1	6	15.2	<1	0.23
2022-09-23 12:00	0.8	<1	2	15.3	<1	0.22
2022-09-27 12:39	0.66	<1	12	15.5	<1	0.25
2022-10-04 10:48	0.53	<1	<2	15.2	<1	0.21
2022-10-11 11:21	0.55	<1	6	15.1	<1	0.46
2022-10-28 08:15	0.45	<1	<2	13	<1	0.56
2022-11-01 12:50	0.67	<1	<2	14	<1	0.47
2022-11-07 12:07	0.69	<1	<2	11	<1	0.39
2022-11-14 10:36	0.72	<1	2	12	<1	0.38
2022-11-23 10:47	0.9	<1	6	11	<1	0.36
2022-11-30 08:47	0.83	<1	2	10	<1	0.27

2022-12-09 11:59	0.52	<1	2	7	<1	0.25
2022-12-14 09:40	0.93	<1	4	9	<1	0.16

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
2022-01-20 09:18	0.4	<1	2	5.7	<1	0.39
2022-01-26 08:42	0.33	<1	<2	7.3	<1	0.44
2022-02-03 10:19	0.27	<1	<2	5.6	<1	0.32
2022-02-08 11:25	0.39	<1	<2	5.8	<1	0.37
2022-02-10 09:22	0.29	<1	2	5.7	<1	0.34
2022-02-11 11:49	0.3	<1	<2	7.8	<1	0.39
2022-02-15 11:14	0.5	<1	<2	6.9	<1	0.3
2022-02-24 09:15	0.37	<1	<2	5.9	<1	0.28
2022-03-02 13:09	0.39	<1	<2	6.2	<1	0.53
2022-03-09 13:15	0.3	<1	<2	8	<1	0.39
2022-03-16 09:17	0.31	<1	4	7.2	<1	0.59
2022-03-21 10:15	0.38	<1	<2	6.4	<1	0.54
2022-03-30 09:36	0.34	<1	<2	7	<1	0.31
2022-03-31 11:45	0.3	<1	<2	7.9	<1	0.3
2022-04-07 12:42	0.28	<1	<2	7.4	<1	0.29
2022-04-11 11:37	0.22	<1	<2	7.4	<1	0.26
2022-04-20 11:12	0.25	<1	<2	8.1	<1	0.27
2022-04-26 12:30	0.31	<1	<2	8.8	<1	0.23
2022-05-02 09:20	0.24	<1	<2	8	<1	0.26
2022-05-06 13:21	0.31	<1	<2	11.7	<1	0.24
2022-05-11 10:28	0.29	<1	2	8.6	<1	0.23
2022-05-12 12:48	0.27	<1	2	9.8	<1	0.23
2022-05-18 10:59	0.25	<1	<2	8.8	<1	0.28
2022-05-30 12:30	0.25	<1	<2	9.7	<1	0.23
2022-06-04 11:46	0.28	<1	6	11.3	<1	0.23
2022-06-06 13:15	0.23	<1	<2	10.6	<1	0.27
2022-06-08 09:33	0.19	<1	<2	10	<1	0.29
2022-06-14 07:57	0.22	<1	<2	11	<1	0.26
2022-06-20 11:37	0.32	<1	<2	10.8	<1	0.19
2022-06-24 11:21	0.4	<1	<2	10.8	<1	0.22
2022-07-02 08:07	0.23	<1	<2	11.8	<1	0.24
2022-07-05 10:47	0.21	<1	<2	12.1	<1	0.2
2022-07-13 09:36	0.25	<1	<2	11.7	<1	0.24
2022-07-21 11:26	0.19	<1	<2	12.7	<1	0.19
2022-07-26 11:38	0.28	<1	<2	13.5	<1	0.29
2022-08-03 09:13	0.22	<1	<2	14.4	<1	0.23
2022-08-08 13:20	0.19	<1	<2	16.1	<1	0.2
2022-08-09 10:27	0.29	<1	2	14.5	<1	0.2
2022-08-17 09:00	0.11	<1	18	13.9	<1	0.22
2022-08-24 09:05	0.23	<1	52	14.5	<1	0.28
2022-08-30 11:32	0.33	<1	<2	15.6	<1	0.75
2022-09-08 10:09	0.21	<1	<2	15.9	<1	0.23
2022-09-12 12:36	0.26	<1	2	16.6	<1	0.24
2022-09-14 10:30	0.22	<1	<2	16.4	<1	0.25
2022-09-22 13:14	0.24	<1	2	14.9	<1	0.26
2022-09-23 11:25	0.19	<1	<2	15	<1	0.3
2022-09-27 11:54	0.22	<1	<2	15.9	<1	0.21

2022-10-04 10:07	0.2	<1	2	15.3	<1	0.25
2022-10-11 10:35	0.27	<1	<2	15.5	<1	0.29
2022-10-24 12:05	0.24	<1	2	14.4	<1	0.24
2022-10-28 09:26	0.05	<1	<2	14.7	<1	0.27
2022-11-01 12:00	0.14	<1	<2	13.3	<1	0.32
2022-11-07 11:15	0.15	<1	<2	11.7	<1	0.36
2022-11-14 09:38	0.25	<1	<2	10.9	<1	0.29
2022-11-23 11:49	0.28	<1	<2	9.1	<1	0.28
2022-11-30 10:54	0.14	<1	<2	9	<1	0.26
2022-12-09 11:18	0.4	<1	<2	7.3	<1	0.21
2022-12-14 10:34	0.17	<1	<2	7.3	<1	0.15
2022-12-15 12:31	0.17	<1	<2	7.1	<1	0.21
2022-12-22 11:19	0.27	<1	NA	6.3	<1	0.25
2022-12-30 08:28	0.27	<1	NA	6.4	<1	0.71

PMY 515 – Hickory Reservoir

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2022-01-14 08:41	0.9	<1	<2	4.1	<1	1.3
2022-01-20 08:53	0.78	<1	<2	6	<1	0.67
2022-01-26 08:23	0.76	<1	<2	6.4	<1	0.48
2022-02-03 12:09	0.87	<1	<2	4.3	<1	0.39
2022-02-08 11:10	1	<1	<2	4.8	<1	0.45
2022-02-10 10:08	0.8	<1	<2	5.5	<1	0.43
2022-02-15 10:54	0.72	<1	<2	5.3	<1	0.37
2022-02-24 10:03	0.77	<1	<2	5.2	<1	0.35
2022-03-02 12:54	0.73	<1	<2	5.7	<1	0.52
2022-03-09 12:48	0.52	<1	<2	6	<1	0.51
2022-03-16 09:00	0.85	<1	<2	5.5	<1	0.58
2022-03-21 10:49	0.77	<1	<2	5.8	<1	0.52
2022-03-30 10:18	0.9	<1	<2	6.3	<1	0.38
2022-04-11 12:04	0.75	<1	<2	6.3	<1	0.34
2022-04-20 10:40	1.01	<1	<2	5.5	<1	0.29
2022-04-26 12:16	0.99	<1	LA	6.5	<1	0.29
2022-05-02 09:59	1.22	<1	<2	7.3	<1	0.31
2022-05-11 10:07	0.89	<1	<2	7.6	<1	0.28
2022-05-18 10:40	0.89	<1	<2	7.9	<1	0.31
2022-06-03 08:47	0.99	<1	2	8.9	<1	0.35
2022-06-08 10:07	0.96	<1	<2	9	<1	0.3
2022-06-13 10:22	0.74	<1	<2	8.9	<1	0.26
2022-06-23 11:31	1.03	<1	<2	9.3	<1	0.22
2022-07-02 08:00	0.82	<1	<2	10.2	<1	0.26
2022-07-05 10:28	0.7	<1	<2	10.6	<1	0.19
2022-07-13 10:24	0.51	<1	<2	10.7	<1	0.27
2022-07-20 10:09	0.42	<1	<2	11.7	<1	0.24
2022-07-26 11:22	0.23	<1	<2	12.8	<1	0.3
2022-08-03 08:58	0.35	<1	2	13.2	<1	0.22
2022-08-09 10:09	0.31	<1	2	13.6	<1	0.23
2022-08-17 09:59	0.55	<1	<2	13.4	<1	0.25
2022-08-24 09:52	0.5	<1	<2	14.1	<1	0.3
2022-08-30 11:16	0.42	<1	<2	14.1	<1	0.3
2022-09-08 09:47	0.41	<1	<2	15.1	<1	0.25
2022-09-14 10:14	0.32	<1	<2	15.5	<1	0.24
2022-09-23 11:11	0.27	<1	<2	14.9	<1	0.32
2022-09-27 11:35	0.35	<1	<2	15.7	<1	0.27
2022-10-04 09:45	0.3	<1	2	14.7	<1	0.25
2022-10-11 10:04	0.23	<1	<2	13.7	<1	0.29
2022-11-05 11:52	0.23	<1	<2	11	<1	0.46
2022-11-07 10:57	0.22	<1	<2	11	<1	0.43
2022-11-14 10:20	0.28	<1	<2	10	<1	0.35
2022-11-23 11:19	0.54	<1	<2	8	<1	0.35
2022-12-09 11:07	0.43	<1	<2	6	<1	0.24
2022-12-10 10:01	0.58	<1	<2	7	<1	0.24
2022-12-14 10:07	0.44	<1	<2	7	<1	0.19

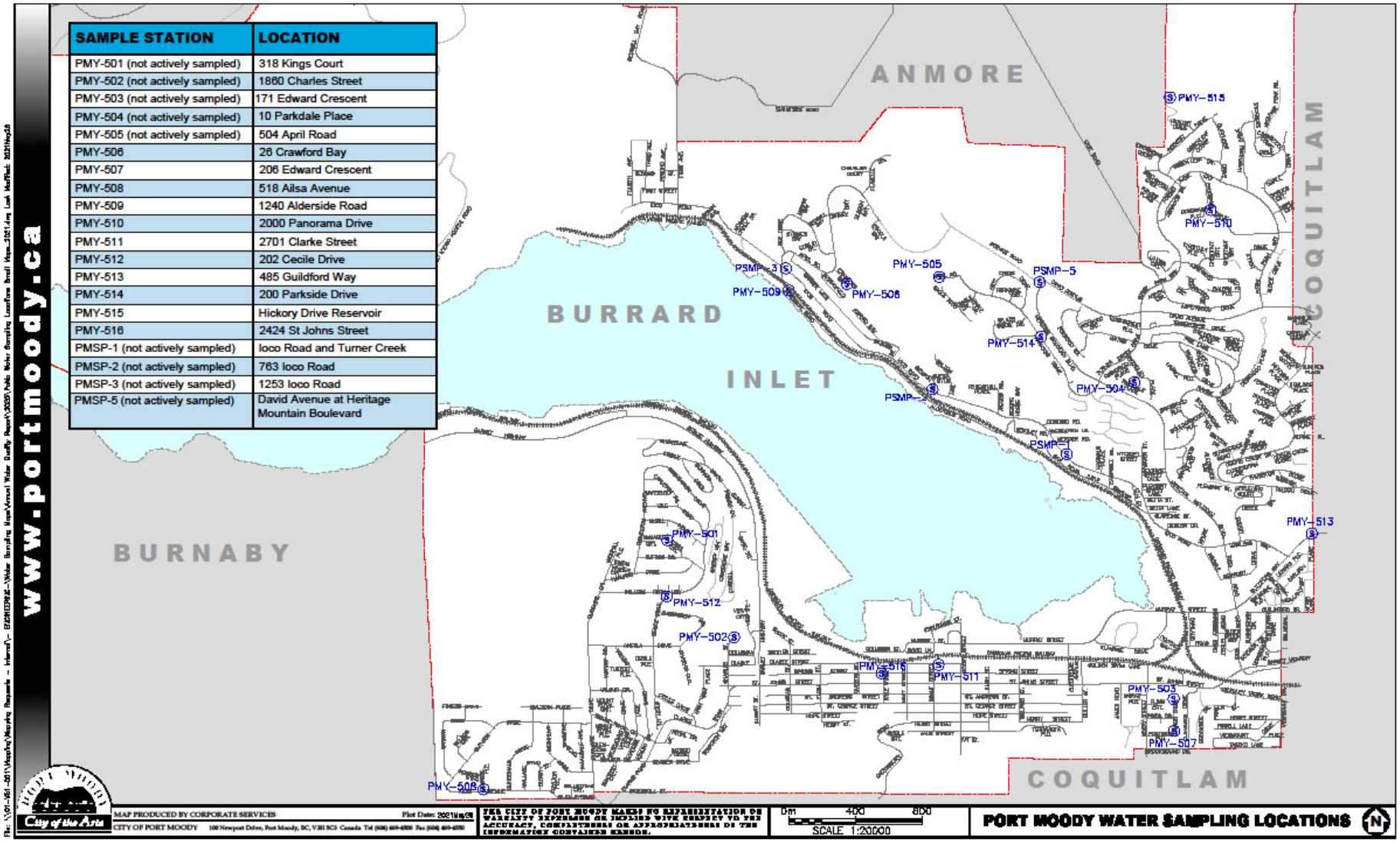
PMY 516 – 2424 St. Johns Street

Sampled Date	Chlorine Free mg/L	Ecoli MF/100mLs	HPC CFU/mls	Temperature °C	Total Coliform MF/100mLs	Turbidity NTU
2022-01-20 07:35	0.7	<1	<2	5.7	<1	0.59
2022-01-26 10:02	0.66	<1	<2	6.9	<1	0.52
2022-02-04 12:52	0.87	<1	<2	5	<1	0.62
2022-02-10 07:45	0.68	<1	<2	5.8	<1	0.36
2022-02-12 12:45	0.92	<1	<2	5.9	<1	0.42
2022-02-15 13:23	0.77	<1	<2	7.7	<1	0.36
2022-03-02 14:01	0.15	<1	<2	8.2	<1	0.32
2022-03-10 13:07	0.24	<1	74	8.3	<1	0.72
2022-03-16 10:18	0.74	<1	<2	7.6	<1	1.7
2022-03-21 08:24	0.86	<1	<2	6.6	<1	0.56
2022-03-30 07:21	0.64	<1	<2	7.9	<1	0.42
2022-04-07 11:04	0.71	<1	<2	7.5	<1	0.39
2022-04-11 09:51	0.59	<1	<2	7.7	<1	0.31
2022-04-20 12:35	0.61	<1	<2	8	<1	0.43
2022-05-02 07:26	0.61	<1	<2	9.6	<1	0.26
2022-05-11 12:17	0.63	<1	<2	12	<1	0.39
2022-05-18 12:50	0.81	<1	<2	10	<1	0.51
2022-05-28 09:03	0.86	<1	2	12.3	<1	0.34
2022-05-30 09:38	0.49	<1	<2	12.4	<1	0.28
2022-06-08 07:34	0.62	<1	2	12.1	<1	0.31
2022-06-13 12:25	0.38	<1	<2	13.1	<1	0.28
2022-07-02 06:50	0.71	<1	<2	10.6	<1	0.3
2022-07-05 12:14	0.61	<1	<2	12.1	<1	0.2
2022-07-13 07:23	0.31	<1	<2	13.5	<1	0.26
2022-07-20 11:59	0.4	<1	100	15	<1	0.19
2022-07-26 13:30	0.63	<1	8	13.8	<1	0.2
2022-08-03 10:59	0.4	<1	4	14	<1	0.2
2022-08-04 07:43	0.53	<1	<2	17.3	<1	0.19
2022-08-08 13:36	0.84	<1	<2	14.2	<1	0.23
2022-08-17 07:25	0.24	<1	<2	19	<1	0.18
2022-08-24 07:20	0.53	<1	<2	19	<1	0.28
2022-08-30 09:25	0.49	<1	<2	16.4	1	0.2
2022-09-08 11:24	0.55	<1	<2	15.1	<1	0.47
2022-09-14 11:28	0.34	<1	<2	17.2	<1	0.22
2022-09-23 12:15	0.48	<1	<2	14.2	<1	0.19
2022-09-27 13:18	0.52	<1	630	15.7	<1	0.23
2022-10-04 11:06	0.25	<1	6	16	<1	0.2
2022-10-11 11:55	0.45	<1	420	14.7	<1	0.39
2022-10-22 08:29	0.44	<1	2	16.2	<1	0.25
2022-10-28 07:26	0.17	<1	<2	13	<1	0.25
2022-11-04 09:26	0.51	<1	2	10.8	<1	0.94
2022-11-07 13:16	0.21	<1	<2	10.5	<1	0.36
2022-11-14 07:34	0.26	<1	<2	9.3	<1	0.31
2022-11-23 06:37	0.41	<1	<2	8.2	<1	0.29
2022-11-30 07:49	0.6	<1	<2	7.4	<1	0.5
2022-12-09 12:58	0.31	<1	<2	6.8	<1	0.28
2022-12-12 13:21	0.65	<1	<2	7.3	<1	0.26

Appendix #2

Sample Station Locations

SAMPLE STATION	LOCATION
PMY-501 (not actively sampled)	318 Kings Court
PMY-502 (not actively sampled)	1860 Charles Street
PMY-503 (not actively sampled)	171 Edward Crescent
PMY-504 (not actively sampled)	10 Parkdale Place
PMY-505 (not actively sampled)	504 April Road
PMY-506	26 Crawford Bay
PMY-507	206 Edward Crescent
PMY-508	518 Ailsa Avenue
PMY-509	1240 Alderside Road
PMY-510	2000 Panorama Drive
PMY-511	2701 Clarke Street
PMY-512	202 Cecile Drive
PMY-513	485 Guildford Way
PMY-514	200 Parkside Drive
PMY-515	Hickory Drive Reservoir
PMY-516	2424 St Johns Street
PMSP-1 (not actively sampled)	loco Road and Turner Creek
PMSP-2 (not actively sampled)	763 loco Road
PMSP-3 (not actively sampled)	1253 loco Road
PMSP-5 (not actively sampled)	David Avenue at Heritage Mountain Boulevard



Appendix #3

Metals Monitoring

2022 Metals Monitoring Data for GCDWQ Parameters

January-June 2022

		PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
	Sample Location	206 Edward Crescent	518 Ailsa Avenue	1240 Alderside Road	2000 Panorama Drive	202 Cecile Drive
	Sample Date	2022-05-02	2022-05-02	2022-05-02	2022-05-02	2022-05-02
Aluminum Total	*µg/L*	82	33	107	80	29
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*	2.1	2.3	2.9	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*	927	8380	969	851	8280
Chromium Total	*µg/L*	<0.05	<0.05	<0.05	0.08	<0.05
Cobalt Total	*µg/L*	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Total	*µg/L*	1	<0.5	0.6	9.3	5
Iron Total	*µg/L*	54	14	97	54	9
Lead Total	*µg/L*	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	*µg/L*	89	198	100	96	201
Manganese Total	*µg/L*	3.7	2.5	18.7	4.5	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*	105	169	111	103	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*	10800	1480	11500	11200	1490
Zinc Total	*µg/L*	<3.0	<3.0	<3.0	<3.0	<3.0

July-December 2022

		PMY-507	PMY-508	PMY-509	PMY-510	PMY-512
	Sample Location	206 Edward Crescent	518 Ailsa Avenue	1240 Alderside Road	2000 Panorama Drive	202 Cecile Drive
	Sample Date	2022-11-10	2022-11-10	2022-11-10	2022-11-10	2022-11-10
Aluminum Total	*µg/L*	65	38	63	77	37
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	2.9	2.9	2.4	3.3
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*	1030	8370	1140	943	8390
Chromium Total	*µg/L*	0.06	0.07	0.06	0.08	0.06
Cobalt Total	*µg/L*	<0.5	<0.5	<0.5	<0.5	<0.5
Copper Total	*µg/L*	0.7	0.7	0.6	12.1	7.8
Iron Total	*µg/L*	52	19	56	62	7
Lead Total	*µg/L*	<0.5	<0.5	<0.5	<0.5	<0.5
Magnesium Total	*µg/L*	93	207	107	103	211
Manganese Total	*µg/L*	2.1	8.6	1.3	2.9	7.7
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*	131	245	139	138	232
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*	10200	1810	11300	11200	1810
Zinc Total	*µg/L*	<3.0	<3.0	<3.0	<3.0	<3.0

Appendix #4

Disinfection By-Product Monitoring

2022 Trihalomethane Monitoring Results

Station	Date Sampled	THM (ppb)				
		Bromodichloromethane (MAC 16 ppb)	Bromoform	Chlorodibromomethane	Chloroform	Total Trihalomethanes (MAC 100 ppb)
PMY-506	2022-02-15	<1	<1	<1	35	**37**
	2022-05-11	<1	<1	<1	32	**33**
	2022-08-24	<1.0	<1.0	<1.0	42	**42**
	2022-11-14	<1	<1	<1	24	**26**
PMY-507	2022-02-15	<1	<1	<1	23	**25**
	2022-05-11	<1	<1	<1	25	**26**
	2022-08-24	<1.0	<1.0	<1.0	34	**34**
	2022-11-14	<1	<1	<1	20	**21**
PMY-508	2022-02-15	<1	<1	<1	23	**25**
	2022-05-11	<1	<1	<1	31	**33**
	2022-08-24	<1.0	<1.0	<1.0	32	**32**
	2022-11-14	<1	<1	<1	25	**27**

2022 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	2022-02-15	<0.5	7.5	<0.5	15	16	**39**
	2022-05-11	<0.5	3.4	<0.5	0.6	21	**25**
	2022-08-24	<0.5	3	<0.5	<0.5	17	**20**
	2022-11-14	<0.5	1.4	<0.5	0.6	9	**11**
PMY-507	2022-02-15	<0.5	7.4	<0.5	<0.5	11	**19**
	2022-05-11	<0.5	7.6	<0.5	<0.5	11	**19**
	2022-08-24	<0.5	6.4	<0.5	<0.5	16	**23**
	2022-11-14	<0.5	4.6	<0.5	0.8	11	**16**
PMY-508	2022-02-15	<0.5	5.6	<0.5	<0.5	7	**13**
	2022-05-11	<0.5	7.8	<0.5	0.6	7.7	**16**
	2022-08-24	<0.5	1.9	<0.5	<0.5	11	**12**
	2022-11-14	<0.5	3.5	<0.5	<0.5	5.7	**9.2**

Appendix #5

Vinyl Chloride Monitoring

2022 Vinyl Chloride Monitoring Results

Address	Sample Reported Name	Sampled Date	Vinyl Chloride (µg/L)
100 Klahanie Drive	PMY-1 (Hydrant #2129)	2022-05-18	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	2022-05-18	<1
100 Klahanie Drive	PMY-1 (Hydrant #2129)	2022-11-29	<1
300 Klahanie Drive	PMY-2 (Hydrant # 2131)	2022-11-29	<1