

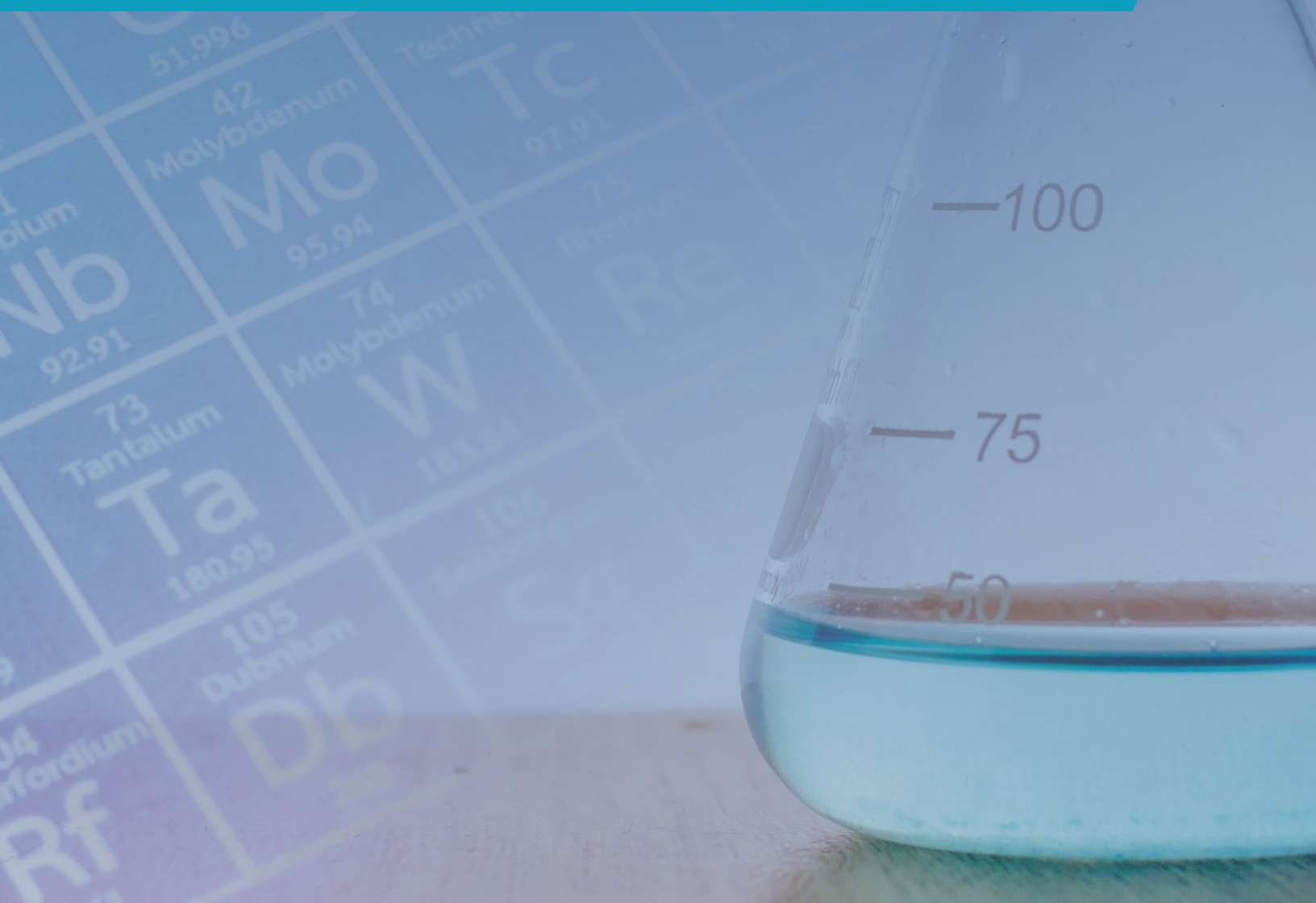
APPENDIX A

Detailed Water Quality Reports
of Samples Collected in 2021

APPENDIX B

Metro Vancouver Water Quality Control
Annual Report for 2021

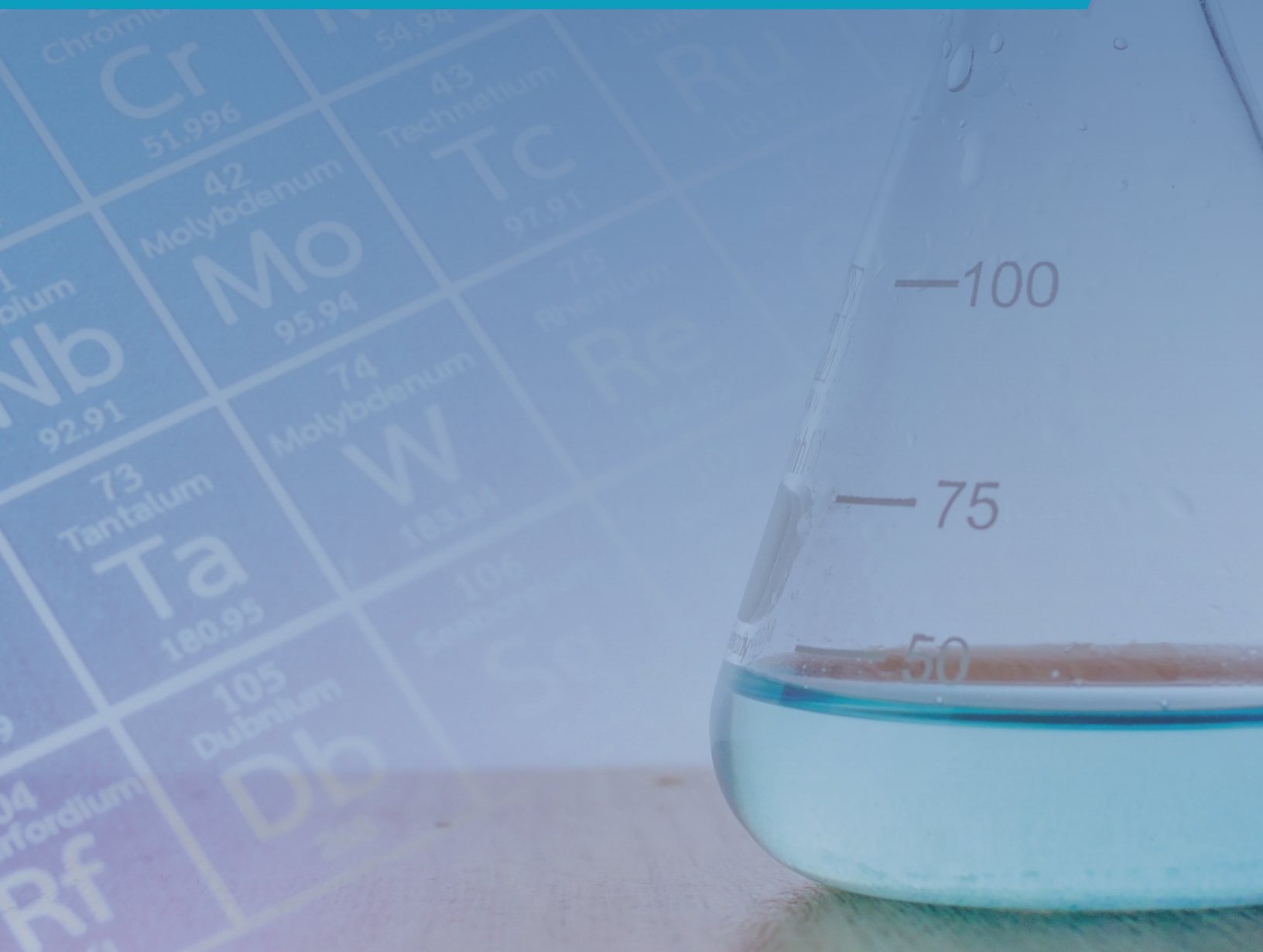
DRINKING WATER QUALITY 2021 ANNUAL REPORT



APPENDIX A

Detailed Water Quality Reports
of Samples Collected in 2021

DRINKING WATER QUALITY 2021 ANNUAL REPORT



| Appendix A: Drinking Water Station Locations- City of Burnaby Sites (2021) | | | | | | | |
|--|-----------------------------------|--------------|----------------|-----------|------------------|----------------|--|
| Site Code | Location | Water Source | Pressure Zone | Flow Type | Main Composition | Main Size (mm) | Parameters Analyzed |
| BUR-490K | 8550 Barnet Highway | SEY | Barnet | D | AC/ST/DI | 250/300/200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-491K | 7400 Block Fraser Park Drive | SEY/COQ | Big Bend | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-492K | 5700 Block Marine Drive | SEY/COQ | Big Bend | M | CI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-493K | 7740 20th St. (10th Ave. Res.) | SEY | Big Bend | D | DI | 500 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-494K | 3700 Block Banting Place | SEY/COQ | Big Bend | D | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-495K | 8400 Block Nelson Avenue | SEY/COQ | Big Bend | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-496K | 8200 Block Wiggins Street | SEY/COQ | Big Bend | D | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-497K | 8300 Block Willard Street | SEY/COQ | Big Bend | D | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-498K | 9001 Riverway Place | SEY/COQ | Big Bend | L | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine, DBP |
| BUR-499K | 3800 Block North Fraser Way | SEY/COQ | Big Bend | M | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-500K | 5400 Block Dundas Street | SEY | Capitol Hill | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-529K | 4800 Block Penzance | SEY | Hastings | L | CI | 300 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-530K | 400 Block Northcliffe Crescent | SEY | Hastings | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-560K | 3600 Brighton Avenue | SEY/CAP | Central Valley | M | DI | 300 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-561K | 6100 Block Deer Lake Parkway | SEY/CAP | Central Valley | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, Metals, DBP |
| BUR-562K | 1300 Block Gilmore Street | SEY/CAP | Central Valley | D | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-563K | 6200 Block Kingsland Lougheed Hwy | SEY/CAP | Central Valley | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-564K | 4388 Still Creek Drive | SEY/CAP | Central Valley | L | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-565K | 5700 Block Laurel Street | SEY/CAP | Central Valley | M | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-566K | 4200 Block Garden Grove Drive | SEY/CAP | Central Valley | M | AC | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-567K | SS of CG Brown Pool, Sprott St | SEY/CAP | Central Valley | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-568K | 3800 Block Phillips Street | SEY/CAP | Central Valley | M | AC | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-569K | 3200 Block Smith Avenue | SEY | Hospital | L | DI | 300 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-570K | 6000 Buckingham Drive | SEY | Stanley | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, Metals |
| BUR-572K | 8500 Block Forest Grove Drive | SEY | Forest Grove | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-573K | 4400 Block Dundas St | SEY | North Burnaby | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-574K | 200 Block Gilmore | SEY | North Burnaby | L | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-575K | 1100 Block Madison | SEY | North Burnaby | M | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine, DBP |
| BUR-576K | 6100 Block Curtis Street | SEY | North Burnaby | L | AC | 300 | Bacteriology, Turbidity, Temp., Free Chlorine |

| Appendix A: Drinking Water Station Locations- City of Burnaby Sites (2021) | | | | | | | |
|--|----------------------------------|--------------|------------------|-----------|------------------|----------------|--|
| Site Code | Location | Water Source | Pressure Zone | Flow Type | Main Composition | Main Size (mm) | Parameters Analyzed |
| BUR-577K | 1471 Heathdale Drive | SEY | North Burnaby | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-578K | 1600 Block Burnwood Drive | SEY | North Burnaby | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-579K | 3800 Block Ingleton | SEY | Hospital | M | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-580K | 4400 Block Moscrop Street | SEY | Hospital | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-581K | 7900 Block Kaymar Street | SEY/COQ | Joffre-Patterson | M | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-582K | 8100 Block 16th Avenue | SEY/COQ | Kingsway | M | AC | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, Metals |
| BUR-583K | 7500 Block Edmonds Street | SEY/COQ | Kingsway | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-584K | 7200 Block Edmonds Street | SEY/COQ | Kingsway | M | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine, DBP, pH |
| BUR-585K | 5400 Block Rumble Street | SEY/COQ | Kingsway | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-586K | 3800 Block Rumble Street | SEY/COQ | Kingsway | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, Metals, DBP |
| BUR-587K | 4400 Block Kingsway | SEY/COQ | Kingsway | L | CI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-588K | 7500 Block Cumberland Street | SEY/COQ | Kingsway | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-589K | 6500 Block Marlborough Street | SEY/COQ | Kingsway | M | CI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-590K | 6100 Block Imperial Street | SEY/COQ | Kingsway | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-592K | 9800 Block Lyndhurst Street | SEY | Lake City | L | PVC | 250 | Bacteriology, Turbidity, Temp., Free Chlorine, Metals |
| BUR-593K | 3390 Lake City Way | SEY | Lake City | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-594K | 9000 Centaurus Circle | SEY | Lake City | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, DBP |
| BUR-595K | Rochester West of North Road | SEY | Lake City | M | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-596K | 561 Duthie Avenue | SEY | North Burnaby | M | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-597K | Univ. High St. & Univ. Cresc. | SEY | Simon Fraser | D | DI | 300 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-660K | North Road Across From Hume Park | SEY/CAP/COQ | Lake City | L | AC | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-661K | 5300 Block Kira Court | SEY/CAP/COQ | Hospital | L | CI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-668K | 1000 Block Ayrshire Drive | SEY/CAP/COQ | Curtis-Duthie | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-669K | Gatenby & Monarch | SEY/CAP/COQ | Kincaid | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-800K | 7400 Block Mulberry Place | SEY/CAP/COQ | Cariboo | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-850K | 4300 Block Vipond Place | SEY/CAP/COQ | Kingsway | D | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-851K | 9200 Block Holmes Street | SEY/CAP/COQ | Kingsway | L | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-852K | 7200 Block Gibson Street | SEY/CAP/COQ | North Burnaby | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-853K | 1500 Block Sperling Avenue | SEY/CAP/COQ | North Burnaby | L | AC | 200 | Bacteriology, Turbidity, Temp., Free Chlorine |

Appendix A: Drinking Water Station Locations- City of Burnaby Sites (2021)

| Site Code | Location | Water Source | Pressure Zone | Flow Type | Main Composition | Main Size (mm) | Parameters Analyzed |
|-----------|--------------------------|--------------|----------------|-----------|------------------|----------------|--|
| BUR-854K | 5500 Block Carson Street | SEY/CAP/COQ | South Slope | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-855K | 5000 Block Manor Street | SEY/CAP/COQ | Central Valley | L | DI | 150 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-856K | Centennial Reservoir | SEY | Centennial | RES | DI | 200 | Bacteriology, Turbidity, Temp., Free Chlorine, DBP |
| BUR-857K | Curtis Reservoir | SEY | Curtis-Duthie | RES | DI | 250 | Bacteriology, Turbidity, Temp., Free Chlorine |
| BUR-858K | Sanderson Way | SEY | Central Valley | M | PVC | 200 | Vinyl Chloride |
| BUR-859K | 192 North Warwick | SEY | Capitol Hill | M | CI | 100 | Bacteriology, Turbidity, Temp., Free Chlorine |

Explanatory Notes:

Flow Types: M = medium flow
 L = low flow
 D = unlooped lines with very low flow
 RES = reservoir

SEY: Seymour Reservoir
 COQ: Coquitlam Reservoir
 CAP: Capilano Reservoir

Bacteriology: E. Coli, Total Coliform, Heterotrophic Plate Count
 DBP: Disinfection byproducts

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|--------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-490K | GRAB | 8550 Barnet | 7-Jan-21 | 0.3 | <1 | <1 | 0.29 | 2 | |
| | | | 22-Jan-21 | 0.36 | <1 | <1 | 0.2 | 2 | |
| | | | 4-Feb-21 | 0.26 | <1 | <1 | 0.2 | <2 | |
| | | | 16-Feb-21 | 0.43 | <1 | <1 | 0.22 | <2 | |
| | | | 3-Mar-21 | 0.39 | <1 | <1 | 0.3 | <2 | |
| | | | 16-Mar-21 | 1.38 | <1 | <1 | 0.22 | <2 | |
| | | | 30-Mar-21 | 0.57 | <1 | <1 | 0.23 | <2 | |
| | | | 13-Apr-21 | 0.63 | <1 | <1 | 0.21 | <2 | |
| | | | 30-Apr-21 | 0.85 | <1 | <1 | 0.21 | 10 | |
| | | | 12-May-21 | 0.53 | <1 | <1 | 0.3 | <2 | |
| | | | 26-May-21 | 0.37 | <1 | <1 | 0.19 | <2 | |
| | | | 10-Jun-21 | 0.26 | <1 | <1 | 0.24 | <2 | |
| | | | 22-Jun-21 | 1.32 | <1 | <1 | 0.3 | 2 | |
| | | | 7-Jul-21 | 0.54 | <1 | <1 | 0.48 | 32 | |
| | | | 20-Jul-21 | 0.19 | <1 | <1 | 0.24 | 6 | |
| | | | 3-Aug-21 | 0.19 | <1 | <1 | 0.19 | 130 | |
| | | | 18-Aug-21 | 0.37 | <1 | <1 | 0.25 | 150 | |
| | | | 31-Aug-21 | 0.21 | <1 | <1 | 0.22 | <2 | |
| | | | 15-Sep-21 | 0.31 | <1 | <1 | 0.3 | <2 | |
| | | | 29-Sep-21 | 0.21 | <1 | <1 | 0.17 | <2 | |
| | | | 13-Oct-21 | 0.47 | <1 | <1 | 0.22 | 14 | |
| | | | 26-Oct-21 | 0.36 | <1 | <1 | 0.32 | 2 | |
| | | | 9-Nov-21 | 0.43 | <1 | <1 | 0.24 | 2 | |
| | | | 23-Nov-21 | 0.45 | <1 | <1 | 0.2 | <2 | |
| 7-Dec-21 | 1.14 | <1 | <1 | 0.2 | <2 | | | | |
| 21-Dec-21 | 0.73 | <1 | <1 | 0.2 | NA | | | | |
| 4-Jan-21 | 0.54 | <1 | <1 | 0.17 | 2 | | | | |
| 21-Jan-21 | 0.6 | <1 | <1 | 0.11 | <2 | | | | |
| 5-Feb-21 | 0.54 | <1 | <1 | 0.2 | <2 | | | | |
| 18-Feb-21 | 0.77 | <1 | <1 | 0.7 | <2 | | | | |
| 4-Mar-21 | 0.5 | <1 | <1 | 0.26 | 2 | | | | |
| 17-Mar-21 | 0.48 | <1 | <1 | 0.27 | <2 | | | | |
| 31-Mar-21 | 0.64 | <1 | <1 | 0.1 | 2 | | | | |
| 14-Apr-21 | 0.57 | <1 | <1 | 0.21 | <2 | | | | |
| 27-Apr-21 | 0.78 | <1 | <1 | 0.15 | <2 | | | | |
| 11-May-21 | 0.53 | <1 | <1 | 0.21 | <2 | | | | |
| 25-May-21 | 0.46 | <1 | <1 | 0.21 | <2 | | | | |
| 9-Jun-21 | 0.47 | <1 | <1 | 0.14 | <2 | | | | |
| 23-Jun-21 | 0.53 | <1 | <1 | 0.28 | <2 | | | | |
| 6-Jul-21 | 0.47 | <1 | <1 | 0.31 | <2 | | | | |
| 21-Jul-21 | 0.48 | <1 | <1 | 0.28 | <2 | | | | |
| 4-Aug-21 | 0.5 | <1 | <1 | 0.31 | <2 | | | | |
| 17-Aug-21 | 0.17 | <1 | <1 | 2.1 | <2 | | | | |
| 1-Sep-21 | 0.36 | <1 | <1 | 0.28 | <2 | | | | |
| BUR-491K | GRAB | Foot of Byrne Road | | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-492K | GRAB | 5700 Blk Marine Drive | 14-Sep-21 | 0.3 | <1 | <1 | 1.9 | 2 |
| | | | 28-Sep-21 | 0.18 | <1 | <1 | 0.2 | <2 |
| | | | 14-Oct-21 | 0.29 | <1 | <1 | 0.14 | <2 |
| | | | 27-Oct-21 | 0.3 | <1 | <1 | 0.23 | 6 |
| | | | 10-Nov-21 | 0.29 | <1 | <1 | 0.21 | 4 |
| | | | 24-Nov-21 | 0.38 | <1 | <1 | 0.13 | 2 |
| | | | 8-Dec-21 | 0.47 | <1 | <1 | 0.14 | <2 |
| | | | 22-Dec-21 | 0.45 | <1 | <1 | 0.29 | NA |
| | | | 4-Jan-21 | 0.84 | <1 | <1 | 0.19 | <2 |
| | | | 21-Jan-21 | 0.71 | <1 | <1 | 0.18 | <2 |
| | | | 5-Feb-21 | 0.59 | <1 | <1 | 0.13 | <2 |
| | | | 18-Feb-21 | 0.83 | <1 | <1 | 0.34 | <2 |
| | | | 4-Mar-21 | 0.81 | <1 | <1 | 0.38 | <2 |
| | | | 17-Mar-21 | 0.83 | <1 | <1 | 0.31 | <2 |
| | | | 31-Mar-21 | 0.78 | <1 | <1 | 0.2 | <2 |
| | | | 14-Apr-21 | 0.7 | <1 | <1 | 0.17 | <2 |
| | | | 27-Apr-21 | 0.73 | <1 | <1 | 0.15 | <2 |
| | | | 11-May-21 | 0.66 | <1 | <1 | 0.1 | <2 |
| | | | 25-May-21 | 0.58 | <1 | <1 | 0.13 | <2 |
| | | | 9-Jun-21 | 0.63 | <1 | <1 | 0.24 | 2 |
| | | | 23-Jun-21 | 0.81 | <1 | <1 | 0.57 | <2 |
| | | | 6-Jul-21 | 0.79 | <1 | <1 | 0.29 | <2 |
| 21-Jul-21 | 0.6 | <1 | <1 | 0.68 | <2 | | | |
| 4-Aug-21 | 0.62 | <1 | <1 | 0.32 | <2 | | | |
| 17-Aug-21 | 0.69 | <1 | <1 | 0.32 | <2 | | | |
| 1-Sep-21 | 0.46 | <1 | <1 | 0.32 | <2 | | | |
| 15-Sep-21 | 0.73 | <1 | <1 | 0.34 | <2 | | | |
| 28-Sep-21 | 0.55 | <1 | <1 | 0.17 | 2 | | | |
| 14-Oct-21 | 0.47 | <1 | <1 | 0.25 | <2 | | | |
| 27-Oct-21 | 0.59 | <1 | <1 | 0.16 | 2 | | | |
| 10-Nov-21 | 0.73 | <1 | <1 | 0.16 | <2 | | | |
| 24-Nov-21 | 0.66 | <1 | <1 | 0.18 | 2 | | | |
| 8-Dec-21 | 0.54 | <1 | <1 | 0.13 | <2 | | | |
| 22-Dec-21 | 0.99 | <1 | <1 | 0.2 | NA | | | |
| 4-Jan-21 | 0.5 | <1 | <1 | 0.21 | 2 | | | |
| 21-Jan-21 | 0.58 | <1 | <1 | 0.14 | <2 | | | |
| 5-Feb-21 | 0.55 | <1 | <1 | 0.25 | <2 | | | |
| 18-Feb-21 | 0.7 | <1 | <1 | 0.31 | <2 | | | |
| 4-Mar-21 | 0.51 | <1 | <1 | 0.32 | <2 | | | |
| 17-Mar-21 | 0.7 | <1 | <1 | 0.28 | <2 | | | |
| 31-Mar-21 | 0.7 | <1 | <1 | 0.14 | 2 | | | |
| 14-Apr-21 | 0.89 | <1 | <1 | 0.24 | <2 | | | |
| 27-Apr-21 | 0.73 | <1 | <1 | 0.17 | <2 | | | |
| 11-May-21 | 0.61 | <1 | <1 | 0.25 | <2 | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|--------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-493K | GRAB | 7740 20th St. (10th Ave. Res.) | 25-May-21 | 0.61 | <1 | <1 | 0.26 | <2 |
| | | | 9-Jun-21 | 0.48 | <1 | <1 | 0.27 | <2 |
| | | | 23-Jun-21 | 0.64 | <1 | <1 | 0.33 | <2 |
| | | | 6-Jul-21 | 0.64 | <1 | <1 | 0.31 | 8 |
| | | | 21-Jul-21 | 0.57 | <1 | <1 | 0.38 | 2 |
| | | | 4-Aug-21 | 0.79 | <1 | <1 | 0.31 | 4 |
| | | | 17-Aug-21 | 0.56 | <1 | <1 | 0.34 | 56 |
| | | | 1-Sep-21 | 0.82 | <1 | <1 | 0.26 | 2 |
| | | | 15-Sep-21 | 0.65 | <1 | <1 | 0.33 | <2 |
| | | | 28-Sep-21 | 0.8 | <1 | <1 | 0.2 | 2 |
| | | | 14-Oct-21 | 0.57 | <1 | <1 | 0.35 | 12 |
| | | | 27-Oct-21 | 0.61 | <1 | <1 | 0.43 | 12 |
| | | | 10-Nov-21 | 0.61 | <1 | <1 | 0.48 | 38 |
| | | | 24-Nov-21 | 0.57 | <1 | <1 | 0.28 | 12 |
| | | | 8-Dec-21 | 0.46 | <1 | <1 | 0.21 | 12 |
| | | | 22-Dec-21 | 0.63 | <1 | <1 | 0.41 | NA |
| | | | 4-Jan-21 | 0.6 | <1 | <1 | 0.19 | <2 |
| | | | 21-Jan-21 | 0.39 | <1 | <1 | 0.12 | <2 |
| | | | 5-Feb-21 | 0.21 | <1 | <1 | 0.27 | <2 |
| | | | 18-Feb-21 | 0.3 | <1 | <1 | 0.17 | <2 |
| 4-Mar-21 | 0.28 | <1 | <1 | 0.4 | <2 | | | |
| 17-Mar-21 | 0.13 | <1 | <1 | 0.2 | <2 | | | |
| 31-Mar-21 | 0.21 | <1 | <1 | 0.16 | <2 | | | |
| 14-Apr-21 | 0.11 | <1 | <1 | 0.15 | <2 | | | |
| 27-Apr-21 | 0.21 | <1 | <1 | 0.15 | <2 | | | |
| 11-May-21 | 0.1 | <1 | <1 | 0.26 | <2 | | | |
| 25-May-21 | 0.21 | <1 | <1 | 0.29 | <2 | | | |
| 9-Jun-21 | 0.04 | <1 | <1 | 0.2 | 16 | | | |
| 23-Jun-21 | 0.08 | <1 | <1 | 0.18 | 18 | | | |
| 6-Jul-21 | 0.19 | <1 | <1 | 0.31 | <2 | | | |
| 21-Jul-21 | 0.17 | <1 | <1 | 0.25 | 60 | | | |
| 4-Aug-21 | 0.09 | <1 | <1 | 0.29 | 30 | | | |
| 17-Aug-21 | 0.13 | <1 | <1 | 0.24 | 32 | | | |
| 1-Sep-21 | 0.23 | <1 | <1 | 0.39 | 100 | | | |
| 14-Sep-21 | 0.25 | <1 | <1 | 0.22 | 230 | | | |
| 28-Sep-21 | 0.13 | <1 | <1 | 0.13 | 82 | | | |
| 14-Oct-21 | 0.15 | <1 | <1 | 0.24 | 230 | | | |
| 27-Oct-21 | 0.19 | <1 | <1 | 0.21 | 130 | | | |
| 10-Nov-21 | 0.06 | <1 | <1 | 0.18 | 130 | | | |
| 24-Nov-21 | 0.31 | <1 | <1 | 0.18 | 24 | | | |
| 8-Dec-21 | 0.39 | <1 | <1 | 0.17 | 2 | | | |
| 22-Dec-21 | 0.36 | <1 | <1 | 0.21 | NA | | | |
| 4-Jan-21 | 0.66 | <1 | <1 | 0.11 | <2 | | | |
| 21-Jan-21 | 0.67 | <1 | <1 | 0.13 | <2 | | | |
| BUR-494K | GRAB | 3700 Blk Banting Place | 25-May-21 | 0.61 | <1 | <1 | 0.26 | <2 |
| | | | 9-Jun-21 | 0.48 | <1 | <1 | 0.27 | <2 |
| | | | 23-Jun-21 | 0.64 | <1 | <1 | 0.33 | <2 |
| | | | 6-Jul-21 | 0.64 | <1 | <1 | 0.31 | 8 |
| | | | 21-Jul-21 | 0.57 | <1 | <1 | 0.38 | 2 |
| | | | 4-Aug-21 | 0.79 | <1 | <1 | 0.31 | 4 |
| | | | 17-Aug-21 | 0.56 | <1 | <1 | 0.34 | 56 |
| | | | 1-Sep-21 | 0.82 | <1 | <1 | 0.26 | 2 |
| | | | 15-Sep-21 | 0.65 | <1 | <1 | 0.33 | <2 |
| | | | 28-Sep-21 | 0.8 | <1 | <1 | 0.2 | 2 |
| | | | 14-Oct-21 | 0.57 | <1 | <1 | 0.35 | 12 |
| | | | 27-Oct-21 | 0.61 | <1 | <1 | 0.43 | 12 |
| | | | 10-Nov-21 | 0.61 | <1 | <1 | 0.48 | 38 |
| | | | 24-Nov-21 | 0.57 | <1 | <1 | 0.28 | 12 |
| | | | 8-Dec-21 | 0.46 | <1 | <1 | 0.21 | 12 |
| | | | 22-Dec-21 | 0.63 | <1 | <1 | 0.41 | NA |
| | | | 4-Jan-21 | 0.6 | <1 | <1 | 0.19 | <2 |
| | | | 21-Jan-21 | 0.39 | <1 | <1 | 0.12 | <2 |
| | | | 5-Feb-21 | 0.21 | <1 | <1 | 0.27 | <2 |
| | | | 18-Feb-21 | 0.3 | <1 | <1 | 0.17 | <2 |
| 4-Mar-21 | 0.28 | <1 | <1 | 0.4 | <2 | | | |
| 17-Mar-21 | 0.13 | <1 | <1 | 0.2 | <2 | | | |
| 31-Mar-21 | 0.21 | <1 | <1 | 0.16 | <2 | | | |
| 14-Apr-21 | 0.11 | <1 | <1 | 0.15 | <2 | | | |
| 27-Apr-21 | 0.21 | <1 | <1 | 0.15 | <2 | | | |
| 11-May-21 | 0.1 | <1 | <1 | 0.26 | <2 | | | |
| 25-May-21 | 0.21 | <1 | <1 | 0.29 | <2 | | | |
| 9-Jun-21 | 0.04 | <1 | <1 | 0.2 | 16 | | | |
| 23-Jun-21 | 0.08 | <1 | <1 | 0.18 | 18 | | | |
| 6-Jul-21 | 0.19 | <1 | <1 | 0.31 | <2 | | | |
| 21-Jul-21 | 0.17 | <1 | <1 | 0.25 | 60 | | | |
| 4-Aug-21 | 0.09 | <1 | <1 | 0.29 | 30 | | | |
| 17-Aug-21 | 0.13 | <1 | <1 | 0.24 | 32 | | | |
| 1-Sep-21 | 0.23 | <1 | <1 | 0.39 | 100 | | | |
| 14-Sep-21 | 0.25 | <1 | <1 | 0.22 | 230 | | | |
| 28-Sep-21 | 0.13 | <1 | <1 | 0.13 | 82 | | | |
| 14-Oct-21 | 0.15 | <1 | <1 | 0.24 | 230 | | | |
| 27-Oct-21 | 0.19 | <1 | <1 | 0.21 | 130 | | | |
| 10-Nov-21 | 0.06 | <1 | <1 | 0.18 | 130 | | | |
| 24-Nov-21 | 0.31 | <1 | <1 | 0.18 | 24 | | | |
| 8-Dec-21 | 0.39 | <1 | <1 | 0.17 | 2 | | | |
| 22-Dec-21 | 0.36 | <1 | <1 | 0.21 | NA | | | |
| 4-Jan-21 | 0.66 | <1 | <1 | 0.11 | <2 | | | |
| 21-Jan-21 | 0.67 | <1 | <1 | 0.13 | <2 | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-495K | GRAB | 8400 Blk Nelson | 5-Feb-21 | 0.55 | <1 | <1 | 0.17 | <2 |
| | | | 18-Feb-21 | 0.83 | <1 | <1 | 0.22 | <2 |
| | | | 4-Mar-21 | 0.54 | <1 | <1 | 0.34 | <2 |
| | | | 17-Mar-21 | 0.61 | <1 | <1 | 0.28 | <2 |
| | | | 31-Mar-21 | 0.6 | <1 | <1 | 0.1 | <2 |
| | | | 14-Apr-21 | 0.65 | <1 | <1 | 0.14 | <2 |
| | | | 27-Apr-21 | 0.68 | <1 | <1 | 0.12 | <2 |
| | | | 11-May-21 | 0.62 | <1 | <1 | 0.09 | <2 |
| | | | 25-May-21 | 0.49 | <1 | <1 | 0.16 | <2 |
| | | | 9-Jun-21 | 0.59 | <1 | <1 | 0.11 | <2 |
| | | | 23-Jun-21 | 0.66 | <1 | <1 | 0.22 | <2 |
| | | | 6-Jul-21 | 0.46 | <1 | <1 | 0.26 | <2 |
| | | | 21-Jul-21 | 0.41 | <1 | <1 | 0.41 | 6 |
| | | | 4-Aug-21 | 0.5 | <1 | <1 | 0.33 | 28 |
| | | | 17-Aug-21 | 0.23 | <1 | <1 | 0.17 | <2 |
| | | | 1-Sep-21 | 0.3 | <1 | <1 | 0.26 | 8 |
| | | | 14-Sep-21 | 0.33 | <1 | <1 | 0.26 | <2 |
| | | | 28-Sep-21 | 0.5 | <1 | <1 | 0.27 | <2 |
| | | | 14-Oct-21 | 0.32 | <1 | <1 | 0.12 | <2 |
| | | | 27-Oct-21 | 0.51 | <1 | <1 | 0.17 | <2 |
| 10-Nov-21 | 0.55 | <1 | <1 | 0.14 | <2 | | | |
| 24-Nov-21 | 0.56 | <1 | <1 | 0.3 | <2 | | | |
| 8-Dec-21 | 0.55 | <1 | <1 | 0.11 | <2 | | | |
| 22-Dec-21 | 0.62 | <1 | <1 | 0.2 | NA | | | |
| 4-Jan-21 | 0.78 | <1 | <1 | 0.2 | <2 | | | |
| BUR-496K | GRAB | 8255 Wiggins St. | 5-Feb-21 | 0.49 | <1 | <1 | 0.3 | <2 |
| | | | 18-Feb-21 | 0.38 | <1 | <1 | 0.3 | <2 |
| | | | 4-Mar-21 | 0.4 | <1 | <1 | 0.37 | <2 |
| | | | 17-Mar-21 | 0.35 | <1 | <1 | 0.21 | <2 |
| | | | 31-Mar-21 | 0.68 | <1 | <1 | 0.15 | <2 |
| | | | 14-Apr-21 | 0.6 | <1 | <1 | 0.22 | 2 |
| | | | 27-Apr-21 | 0.47 | <1 | <1 | 0.17 | 4 |
| | | | 11-May-21 | 0.38 | <1 | <1 | 0.22 | <2 |
| | | | 25-May-21 | 0.26 | <1 | <1 | 0.29 | 2 |
| | | | 9-Jun-21 | 0.17 | <1 | <1 | 0.17 | 4 |
| | | | 23-Jun-21 | 0.43 | <1 | <1 | 0.22 | <2 |
| | | | 6-Jul-21 | 0.63 | <1 | <1 | 0.39 | <2 |
| | | | 21-Jul-21 | 0.67 | <1 | <1 | 0.29 | <2 |
| | | | 4-Aug-21 | 0.59 | <1 | <1 | 0.28 | 4 |
| | | | 17-Aug-21 | 0.39 | <1 | <1 | 0.22 | <2 |
| | | | 1-Sep-21 | 0.5 | <1 | <1 | 0.24 | <2 |
| | | | 14-Sep-21 | 0.58 | <1 | <1 | 0.22 | <2 |
| | | | 28-Sep-21 | 0.41 | <1 | <1 | 0.2 | 4 |
| | | | 14-Oct-21 | 0.43 | <1 | <1 | 0.18 | 6 |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|---------------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-497K | GRAB | 8300 Blk Willard St. (Spur & Wiggins) | 27-Oct-21 | 0.33 | <1 | <1 | 0.15 | <2 |
| | | | 10-Nov-21 | 0.37 | <1 | <1 | 0.23 | <2 |
| | | | 24-Nov-21 | 0.48 | <1 | <1 | 0.15 | <2 |
| | | | 8-Dec-21 | 0.52 | <1 | <1 | 0.12 | <2 |
| | | | 22-Dec-21 | 0.5 | <1 | <1 | 0.27 | NA |
| | | | 4-Jan-21 | 0.71 | <1 | <1 | 0.23 | <2 |
| | | | 21-Jan-21 | 0.45 | <1 | <1 | 0.13 | <2 |
| | | | 5-Feb-21 | 0.55 | <1 | <1 | 0.27 | <2 |
| | | | 18-Feb-21 | 0.43 | <1 | <1 | 0.2 | <2 |
| | | | 4-Mar-21 | 0.43 | <1 | <1 | 0.37 | <2 |
| | | | 17-Mar-21 | 0.35 | <1 | <1 | 0.27 | <2 |
| | | | 31-Mar-21 | 0.42 | <1 | <1 | 0.15 | <2 |
| | | | 14-Apr-21 | 0.35 | <1 | <1 | 0.19 | <2 |
| | | | 27-Apr-21 | 0.48 | <1 | <1 | 0.19 | <2 |
| | | | 11-May-21 | 0.43 | <1 | <1 | 0.29 | <2 |
| | | | 25-May-21 | 0.47 | <1 | <1 | 0.23 | <2 |
| | | | 9-Jun-21 | 0.22 | <1 | <1 | 0.14 | <2 |
| | | | 23-Jun-21 | 0.18 | <1 | <1 | 0.2 | 4 |
| | | | 6-Jul-21 | 0.57 | <1 | <1 | 0.29 | <2 |
| | | | 21-Jul-21 | 0.13 | <1 | <1 | 0.23 | 10 |
| | | | 4-Aug-21 | 0.23 | <1 | <1 | 0.24 | 90 |
| | | | 17-Aug-21 | 0.21 | <1 | <1 | 0.48 | <2 |
| 1-Sep-21 | 0.36 | <1 | <1 | 0.3 | 16 | | | |
| 14-Sep-21 | 0.24 | <1 | <1 | 0.29 | 52 | | | |
| 28-Sep-21 | 0.1 | <1 | <1 | 0.24 | 20 | | | |
| 14-Oct-21 | 0.16 | <1 | <1 | 0.18 | 24 | | | |
| 27-Oct-21 | 0.18 | <1 | <1 | 0.16 | 2 | | | |
| 10-Nov-21 | 0.23 | <1 | <1 | 0.16 | <2 | | | |
| 24-Nov-21 | 0.23 | <1 | <1 | 0.19 | <2 | | | |
| 8-Dec-21 | 0.34 | <1 | <1 | 0.16 | <2 | | | |
| 22-Dec-21 | 0.32 | <1 | <1 | 0.21 | NA | | | |
| 4-Jan-21 | 0.81 | <1 | <1 | 0.13 | <2 | | | |
| 21-Jan-21 | 0.63 | <1 | <1 | 0.13 | <2 | | | |
| 5-Feb-21 | 0.59 | <1 | <1 | 0.15 | <2 | | | |
| 18-Feb-21 | 0.87 | <1 | <1 | 0.22 | <2 | | | |
| 4-Mar-21 | 0.52 | <1 | <1 | 0.3 | <2 | | | |
| 17-Mar-21 | 0.64 | <1 | <1 | 0.25 | <2 | | | |
| 31-Mar-21 | 0.57 | <1 | <1 | 0.14 | <2 | | | |
| 14-Apr-21 | 0.65 | <1 | <1 | 0.2 | 2 | | | |
| 27-Apr-21 | 0.66 | <1 | <1 | 0.14 | <2 | | | |
| 11-May-21 | 0.56 | <1 | <1 | 0.22 | <2 | | | |
| 25-May-21 | 0.69 | <1 | <1 | 0.16 | <2 | | | |
| 9-Jun-21 | 0.57 | <1 | <1 | 0.14 | <2 | | | |
| 23-Jun-21 | 0.61 | <1 | <1 | 0.16 | <2 | | | |
| BUR-498K | GRAB | 9001 Riverway Place | 27-Oct-21 | 0.33 | <1 | <1 | 0.15 | <2 |
| | | | 10-Nov-21 | 0.37 | <1 | <1 | 0.23 | <2 |
| | | | 24-Nov-21 | 0.48 | <1 | <1 | 0.15 | <2 |
| | | | 8-Dec-21 | 0.52 | <1 | <1 | 0.12 | <2 |
| | | | 22-Dec-21 | 0.5 | <1 | <1 | 0.27 | NA |
| | | | 4-Jan-21 | 0.71 | <1 | <1 | 0.23 | <2 |
| | | | 21-Jan-21 | 0.45 | <1 | <1 | 0.13 | <2 |
| | | | 5-Feb-21 | 0.55 | <1 | <1 | 0.27 | <2 |
| | | | 18-Feb-21 | 0.43 | <1 | <1 | 0.2 | <2 |
| | | | 4-Mar-21 | 0.43 | <1 | <1 | 0.37 | <2 |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|---------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|----|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-498K | GRAB | 9001 Riverway Place | 6-Jul-21 | 0.72 | <1 | <1 | 0.28 | <2 | |
| | | | 21-Jul-21 | 0.65 | <1 | <1 | 0.37 | <2 | |
| | | | 4-Aug-21 | 0.69 | <1 | <1 | 0.26 | 2 | <2 |
| | | | 17-Aug-21 | 0.44 | <1 | <1 | 0.28 | <2 | <2 |
| | | | 1-Sep-21 | 0.42 | <1 | <1 | 0.28 | <2 | <2 |
| | | | 14-Sep-21 | 0.34 | <1 | <1 | 0.22 | 4 | <2 |
| | | | 28-Sep-21 | 0.35 | <1 | <1 | 0.21 | <2 | <2 |
| | | | 14-Oct-21 | 0.38 | <1 | <1 | 0.16 | <2 | <2 |
| | | | 27-Oct-21 | 0.35 | <1 | <1 | 0.17 | 2 | <2 |
| | | | 10-Nov-21 | 0.48 | <1 | <1 | 0.13 | 4 | <2 |
| | | | 24-Nov-21 | 0.6 | <1 | <1 | 0.12 | <2 | <2 |
| | | | 8-Dec-21 | 0.51 | <1 | <1 | 0.15 | <2 | <2 |
| | | | 22-Dec-21 | 0.68 | <1 | <1 | 0.21 | NA | <2 |
| | | | 4-Jan-21 | 0.64 | <1 | <1 | 0.15 | <2 | <2 |
| | | | 21-Jan-21 | 0.63 | <1 | <1 | 0.13 | <2 | <2 |
| | | | 5-Feb-21 | 0.56 | <1 | <1 | 0.2 | <2 | <2 |
| | | | 18-Feb-21 | 0.53 | <1 | <1 | 0.21 | <2 | <2 |
| | | | 4-Mar-21 | 0.49 | <1 | <1 | 0.27 | <2 | <2 |
| | | | 17-Mar-21 | 0.51 | <1 | <1 | 0.26 | 2 | <2 |
| | | | 31-Mar-21 | 0.6 | <1 | <1 | 0.17 | <2 | <2 |
| | | | 14-Apr-21 | 0.59 | <1 | <1 | 0.21 | <2 | <2 |
| | | | 27-Apr-21 | 0.45 | <1 | <1 | 0.23 | <2 | <2 |
| 11-May-21 | 0.58 | <1 | <1 | 0.21 | <2 | <2 | | | |
| 25-May-21 | 0.54 | <1 | <1 | 0.25 | <2 | <2 | | | |
| 9-Jun-21 | 0.57 | <1 | <1 | 0.15 | <2 | <2 | | | |
| 23-Jun-21 | 0.47 | <1 | <1 | 0.28 | 2 | <2 | | | |
| 6-Jul-21 | 0.49 | <1 | <1 | 0.28 | <2 | <2 | | | |
| 21-Jul-21 | 0.52 | <1 | <1 | 0.41 | <2 | <2 | | | |
| 4-Aug-21 | 0.4 | <1 | <1 | 0.26 | <2 | <2 | | | |
| 17-Aug-21 | 0.28 | <1 | <1 | 0.28 | <2 | <2 | | | |
| 1-Sep-21 | 0.32 | <1 | <1 | 0.28 | 8 | <2 | | | |
| 14-Sep-21 | 0.27 | <1 | <1 | 0.21 | 2 | <2 | | | |
| 28-Sep-21 | 0.32 | <1 | <1 | 0.33 | 14 | <2 | | | |
| 14-Oct-21 | 0.5 | <1 | <1 | 0.18 | 4 | <2 | | | |
| 27-Oct-21 | 0.49 | <1 | <1 | 0.17 | <2 | <2 | | | |
| 10-Nov-21 | 0.63 | <1 | <1 | 0.17 | <2 | <2 | | | |
| 24-Nov-21 | 0.38 | <1 | <1 | 0.14 | <2 | <2 | | | |
| 8-Dec-21 | 0.43 | <1 | <1 | 0.14 | <2 | <2 | | | |
| 22-Dec-21 | 0.6 | <1 | <1 | 0.28 | NA | <2 | | | |
| 7-Jan-21 | 0.66 | <1 | <1 | 0.19 | <2 | <2 | | | |
| 22-Jan-21 | 0.83 | <1 | <1 | 0.16 | 10 | <2 | | | |
| 4-Feb-21 | 0.6 | <1 | <1 | 0.2 | <2 | <2 | | | |
| 16-Feb-21 | 0.76 | <1 | <1 | 0.12 | <2 | <2 | | | |
| 3-Mar-21 | 0.53 | <1 | <1 | 0.12 | <2 | <2 | | | |
| BUR-499K | GRAB | 3900 Blk North Fraser Way | 6-Jul-21 | 0.49 | <1 | <1 | 0.28 | <2 | |
| | | | 21-Jul-21 | 0.52 | <1 | <1 | 0.41 | <2 | |
| | | | 4-Aug-21 | 0.4 | <1 | <1 | 0.26 | <2 | |
| | | | 17-Aug-21 | 0.28 | <1 | <1 | 0.28 | <2 | |
| | | | 1-Sep-21 | 0.32 | <1 | <1 | 0.28 | 8 | |
| | | | 14-Sep-21 | 0.27 | <1 | <1 | 0.21 | 2 | |
| | | | 28-Sep-21 | 0.32 | <1 | <1 | 0.33 | 14 | |
| | | | 14-Oct-21 | 0.5 | <1 | <1 | 0.18 | 4 | |
| | | | 27-Oct-21 | 0.49 | <1 | <1 | 0.17 | <2 | |
| | | | 10-Nov-21 | 0.63 | <1 | <1 | 0.17 | <2 | |
| | | | 24-Nov-21 | 0.38 | <1 | <1 | 0.14 | <2 | |
| | | | 8-Dec-21 | 0.43 | <1 | <1 | 0.14 | <2 | |
| 22-Dec-21 | 0.6 | <1 | <1 | 0.28 | NA | | | | |
| 7-Jan-21 | 0.66 | <1 | <1 | 0.19 | <2 | | | | |
| 22-Jan-21 | 0.83 | <1 | <1 | 0.16 | 10 | | | | |
| 4-Feb-21 | 0.6 | <1 | <1 | 0.2 | <2 | | | | |
| 16-Feb-21 | 0.76 | <1 | <1 | 0.12 | <2 | | | | |
| 3-Mar-21 | 0.53 | <1 | <1 | 0.12 | <2 | | | | |
| BUR-500K | GRAB | 5400 Blk Dundas St. | 6-Jul-21 | 0.49 | <1 | <1 | 0.28 | <2 | |
| | | | 21-Jul-21 | 0.52 | <1 | <1 | 0.41 | <2 | |
| | | | 4-Aug-21 | 0.4 | <1 | <1 | 0.26 | <2 | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|---------------------|--------------|--------------------|------------------|---------------------------|---------------|------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-500K | GRAB | 5400 Blk Dundas St. | 16-Mar-21 | 0.6 | <1 | <1 | 0.15 | <2 | |
| | | | 30-Mar-21 | 0.71 | <1 | <1 | 0.12 | <2 | |
| | | | 13-Apr-21 | 0.69 | <1 | <1 | 0.2 | 2 | |
| | | | 30-Apr-21 | 0.47 | <1 | <1 | 0.12 | 2 | |
| | | | 12-May-21 | 0.72 | <1 | <1 | 0.13 | 6 | |
| | | | 26-May-21 | 0.63 | <1 | <1 | 0.12 | 8 | |
| | | | 10-Jun-21 | 0.8 | <1 | <1 | 0.11 | 4 | |
| | | | 22-Jun-21 | 0.44 | <1 | <1 | 0.2 | <2 | |
| | | | 7-Jul-21 | 0.81 | <1 | <1 | 0.15 | 4 | |
| | | | 20-Jul-21 | 0.57 | <1 | <1 | 0.19 | <2 | |
| | | | 3-Aug-21 | 0.49 | <1 | <1 | 0.24 | 4 | |
| | | | 18-Aug-21 | 0.53 | <1 | <1 | 0.28 | 18 | |
| | | | 31-Aug-21 | 0.56 | <1 | <1 | 0.15 | <2 | |
| | | | 15-Sep-21 | 0.62 | <1 | <1 | 0.16 | 4 | |
| | | | 29-Sep-21 | 0.54 | <1 | <1 | 0.15 | <2 | |
| | | | 13-Oct-21 | 0.36 | <1 | <1 | 0.27 | 12 | |
| | | | 26-Oct-21 | 0.59 | <1 | <1 | 0.17 | 12 | |
| | | | 9-Nov-21 | 0.58 | <1 | <1 | 0.14 | 12 | |
| | | | 23-Nov-21 | 0.66 | <1 | <1 | 0.18 | 6 | |
| | | | 7-Dec-21 | 0.29 | <1 | <1 | 0.29 | 2 | |
| 21-Dec-21 | 0.69 | - | - | 8.2 | NA | | | | |
| 22-Dec-21 | 0.77 | <1 | <1 | 0.17 | NA | | | | |
| 7-Jan-21 | 0.68 | <1 | <1 | 0.14 | 8 | | | | |
| 22-Jan-21 | 0.71 | <1 | <1 | 0.37 | 8 | | | | |
| 4-Feb-21 | 0.79 | <1 | <1 | 0.23 | <2 | | | | |
| 16-Feb-21 | 0.93 | <1 | <1 | 0.09 | <2 | | | | |
| 3-Mar-21 | 0.73 | <1 | <1 | 0.13 | 20 | | | | |
| 16-Mar-21 | 0.81 | <1 | <1 | 0.2 | <2 | | | | |
| 30-Mar-21 | 0.77 | <1 | <1 | 0.21 | 12 | | | | |
| 13-Apr-21 | 0.78 | <1 | <1 | 0.27 | 8 | | | | |
| 30-Apr-21 | 0.8 | <1 | <1 | 0.4 | 2 | | | | |
| 12-May-21 | 0.83 | <1 | <1 | 0.16 | <2 | | | | |
| 26-May-21 | 0.77 | <1 | <1 | 0.11 | 12 | | | | |
| 10-Jun-21 | 0.83 | <1 | <1 | 0.16 | 22 | | | | |
| 22-Jun-21 | 0.68 | <1 | <1 | 0.44 | 20 | | | | |
| 7-Jul-21 | 0.73 | <1 | <1 | 1.5 | 30 | | | | |
| 20-Jul-21 | 0.64 | <1 | <1 | 0.24 | 48 | | | | |
| 3-Aug-21 | 0.61 | <1 | <1 | 0.37 | 80 | | | | |
| 18-Aug-21 | 0.66 | <1 | <1 | 0.2 | 40 | | | | |
| 31-Aug-21 | 0.77 | <1 | <1 | 0.4 | 82 | | | | |
| 15-Sep-21 | 0.74 | <1 | <1 | 0.21 | 8 | | | | |
| 29-Sep-21 | 0.66 | <1 | <1 | 1.3 | 30 | | | | |
| 13-Oct-21 | 0.76 | <1 | <1 | 2.6 | 270 | | | | |
| 26-Oct-21 | 0.78 | <1 | <1 | 0.77 | 48 | | | | |
| BUR-529K | GRAB | 5200 Blk Penzance | 16-Mar-21 | 0.6 | <1 | <1 | 0.15 | <2 | |
| | | | 30-Mar-21 | 0.71 | <1 | <1 | 0.12 | <2 | |
| | | | 13-Apr-21 | 0.69 | <1 | <1 | 0.2 | 2 | |
| | | | 30-Apr-21 | 0.47 | <1 | <1 | 0.12 | 2 | |
| | | | 12-May-21 | 0.72 | <1 | <1 | 0.13 | 6 | |
| | | | 26-May-21 | 0.63 | <1 | <1 | 0.12 | 8 | |
| | | | 10-Jun-21 | 0.8 | <1 | <1 | 0.11 | 4 | |
| | | | 22-Jun-21 | 0.44 | <1 | <1 | 0.2 | <2 | |
| | | | 7-Jul-21 | 0.81 | <1 | <1 | 0.15 | 4 | |
| | | | 20-Jul-21 | 0.57 | <1 | <1 | 0.19 | <2 | |
| | | | 3-Aug-21 | 0.49 | <1 | <1 | 0.24 | 4 | |
| | | | 18-Aug-21 | 0.53 | <1 | <1 | 0.28 | 18 | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|---------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-530K | GRAB | 400 Blk Northcliffe | 9-Nov-21 | 0.73 | <1 | <1 | 0.24 | 80 | |
| | | | 23-Nov-21 | 0.74 | <1 | <1 | 0.16 | 16 | |
| | | | 7-Dec-21 | 0.81 | <1 | <1 | 0.19 | 150 | |
| | | | 21-Dec-21 | 0.83 | <1 | <1 | 0.21 | NA | |
| | | | 7-Jan-21 | 0.67 | <1 | <1 | 0.14 | <2 | |
| | | | 22-Jan-21 | 0.61 | <1 | <1 | 0.11 | <2 | |
| | | | 4-Feb-21 | 0.66 | <1 | <1 | 0.16 | <2 | |
| | | | 16-Feb-21 | 0.67 | <1 | <1 | 0.13 | <2 | |
| | | | 3-Mar-21 | 0.66 | <1 | <1 | 0.09 | <2 | |
| | | | 16-Mar-21 | 0.47 | <1 | <1 | 0.2 | <2 | |
| | | | 30-Mar-21 | 0.52 | <1 | <1 | 0.14 | <2 | |
| | | | 13-Apr-21 | 0.6 | <1 | <1 | 0.28 | <2 | |
| 30-Apr-21 | 0.69 | <1 | <1 | 0.08 | 8 | | | | |
| 12-May-21 | 0.62 | <1 | <1 | 0.1 | <2 | | | | |
| 26-May-21 | 0.62 | <1 | <1 | 0.12 | 2 | | | | |
| 10-Jun-21 | 0.58 | <1 | <1 | 0.11 | <2 | | | | |
| 22-Jun-21 | 0.52 | <1 | <1 | 0.15 | <2 | | | | |
| 7-Jul-21 | 0.63 | <1 | <1 | 0.1 | 28 | | | | |
| 20-Jul-21 | 0.4 | <1 | <1 | 0.13 | <2 | | | | |
| 3-Aug-21 | 0.49 | <1 | <1 | 0.23 | 10 | | | | |
| 18-Aug-21 | 0.49 | <1 | <1 | 0.18 | 18 | | | | |
| 31-Aug-21 | 0.26 | <1 | <1 | 0.14 | <2 | | | | |
| 15-Sep-21 | 0.65 | <1 | <1 | 0.14 | <2 | | | | |
| 29-Sep-21 | 0.33 | <1 | <1 | 0.18 | <2 | | | | |
| 13-Oct-21 | 0.5 | <1 | <1 | 0.18 | 22 | | | | |
| 26-Oct-21 | 0.57 | <1 | <1 | 0.21 | 14 | | | | |
| 9-Nov-21 | 0.58 | <1 | <1 | 0.12 | 4 | | | | |
| 23-Nov-21 | 0.68 | <1 | <1 | 0.16 | 2 | | | | |
| 7-Dec-21 | 0.5 | <1 | <1 | 0.13 | 4 | | | | |
| 21-Dec-21 | 0.93 | <1 | <1 | 0.22 | NA | | | | |
| 15-Jan-21 | 0.72 | <1 | <1 | 0.12 | <2 | | | | |
| 28-Jan-21 | 0.93 | <1 | <1 | 0.33 | <2 | | | | |
| 9-Feb-21 | 0.78 | <1 | <1 | 0.29 | <2 | | | | |
| 25-Feb-21 | 0.72 | <1 | <1 | 0.1 | <2 | | | | |
| 11-Mar-21 | 0.69 | <1 | <1 | 0.1 | <2 | | | | |
| 26-Mar-21 | 0.71 | <1 | <1 | 0.15 | <2 | | | | |
| 8-Apr-21 | 0.39 | <1 | <1 | 0.12 | <2 | | | | |
| 22-Apr-21 | 0.66 | <1 | <1 | 0.19 | <2 | | | | |
| 6-May-21 | 0.68 | <1 | <1 | 0.34 | 42 | | | | |
| 19-May-21 | 0.58 | <1 | <1 | 0.27 | 60 | | | | |
| 4-Jun-21 | 0.75 | <1 | <1 | 0.38 | 34 | | | | |
| 17-Jun-21 | 0.87 | <1 | <1 | 0.26 | 58 | | | | |
| 30-Jun-21 | 0.46 | <1 | <1 | 0.34 | <2 | | | | |
| 14-Jul-21 | 0.73 | <1 | <1 | 0.26 | 22 | | | | |
| BUR-560K | GRAB | 3600 Blk Brighton | | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|----------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-561K | GRAB | Deer Lake Parkway & Gilpin | 28-Jul-21 | 0.62 | <1 | <1 | 0.28 | 66 |
| | | | 11-Aug-21 | 0.53 | <1 | <1 | 0.27 | 10 |
| | | | 24-Aug-21 | 0.64 | <1 | <1 | 0.24 | 8 |
| | | | 7-Sep-21 | 0.76 | <1 | <1 | 0.26 | 460 |
| | | | 22-Sep-21 | 0.38 | <1 | <1 | 0.34 | 10 |
| | | | 6-Oct-21 | 0.52 | <1 | <1 | 0.17 | <2 |
| | | | 20-Oct-21 | 0.61 | <1 | <1 | 0.13 | <2 |
| | | | 3-Nov-21 | 0.61 | <1 | <1 | 0.13 | <2 |
| | | | 17-Nov-21 | 0.72 | <1 | <1 | 0.13 | <2 |
| | | | 1-Dec-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| | | | 15-Dec-21 | 0.57 | <1 | <1 | 0.13 | 6 |
| | | | 15-Jan-21 | 0.74 | <1 | <1 | 0.19 | <2 |
| | | | 28-Jan-21 | 0.56 | <1 | <1 | 0.13 | 4 |
| | | | 9-Feb-21 | 0.83 | <1 | <1 | 0.11 | <2 |
| | | | 25-Feb-21 | 0.78 | <1 | <1 | 0.11 | 2 |
| 11-Mar-21 | 0.63 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.77 | <1 | <1 | 0.17 | <2 | | | |
| 8-Apr-21 | 0.71 | <1 | <1 | 0.08 | <2 | | | |
| 22-Apr-21 | 0.77 | <1 | <1 | 0.17 | 2 | | | |
| 6-May-21 | 0.67 | <1 | <1 | 0.18 | 2 | | | |
| 19-May-21 | 0.76 | <1 | <1 | 0.18 | 2 | | | |
| 4-Jun-21 | 0.74 | <1 | <1 | 0.15 | <2 | | | |
| 17-Jun-21 | 0.55 | <1 | <1 | 0.77 | 6 | | | |
| 30-Jun-21 | 0.7 | <1 | <1 | 0.36 | 2 | | | |
| 14-Jul-21 | 0.61 | <1 | <1 | 0.64 | 4 | | | |
| 28-Jul-21 | 0.68 | <1 | <1 | 0.27 | 2 | | | |
| 11-Aug-21 | 0.76 | <1 | <1 | 0.37 | <2 | | | |
| 24-Aug-21 | 0.68 | <1 | <1 | 0.26 | 2 | | | |
| 7-Sep-21 | 0.71 | <1 | <1 | 0.21 | 6 | | | |
| 22-Sep-21 | 0.59 | <1 | <1 | 0.2 | <2 | | | |
| 6-Oct-21 | 0.73 | <1 | <1 | 0.28 | <2 | | | |
| 20-Oct-21 | 0.78 | <1 | <1 | 0.14 | 4 | | | |
| 3-Nov-21 | 0.95 | <1 | <1 | 0.14 | 2 | | | |
| 17-Nov-21 | 1.08 | <1 | <1 | 0.14 | <2 | | | |
| 1-Dec-21 | 0.86 | <1 | <1 | 0.24 | 2 | | | |
| 15-Dec-21 | 0.85 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.73 | <1 | <1 | 0.13 | <2 | | | |
| 28-Jan-21 | 0.86 | <1 | <1 | 0.15 | <2 | | | |
| 9-Feb-21 | 0.8 | <1 | <1 | 0.11 | <2 | | | |
| 25-Feb-21 | 0.79 | <1 | <1 | 0.11 | <2 | | | |
| 11-Mar-21 | 0.95 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.78 | <1 | <1 | 0.17 | <2 | | | |
| 8-Apr-21 | 0.73 | <1 | <1 | 0.11 | <2 | | | |
| 22-Apr-21 | 0.79 | <1 | <1 | 0.14 | <2 | | | |
| BUR-561K | GRAB | Deer Lake Parkway & Gilpin | 28-Jul-21 | 0.62 | <1 | <1 | 0.28 | 66 |
| | | | 11-Aug-21 | 0.53 | <1 | <1 | 0.27 | 10 |
| | | | 24-Aug-21 | 0.64 | <1 | <1 | 0.24 | 8 |
| | | | 7-Sep-21 | 0.76 | <1 | <1 | 0.26 | 460 |
| | | | 22-Sep-21 | 0.38 | <1 | <1 | 0.34 | 10 |
| | | | 6-Oct-21 | 0.52 | <1 | <1 | 0.17 | <2 |
| | | | 20-Oct-21 | 0.61 | <1 | <1 | 0.13 | <2 |
| | | | 3-Nov-21 | 0.61 | <1 | <1 | 0.13 | <2 |
| | | | 17-Nov-21 | 0.72 | <1 | <1 | 0.13 | <2 |
| | | | 1-Dec-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| | | | 15-Dec-21 | 0.57 | <1 | <1 | 0.13 | 6 |
| | | | 15-Jan-21 | 0.74 | <1 | <1 | 0.19 | <2 |
| | | | 28-Jan-21 | 0.56 | <1 | <1 | 0.13 | 4 |
| | | | 9-Feb-21 | 0.83 | <1 | <1 | 0.11 | <2 |
| | | | 25-Feb-21 | 0.78 | <1 | <1 | 0.11 | 2 |
| 11-Mar-21 | 0.63 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.77 | <1 | <1 | 0.17 | <2 | | | |
| 8-Apr-21 | 0.71 | <1 | <1 | 0.08 | <2 | | | |
| 22-Apr-21 | 0.77 | <1 | <1 | 0.17 | 2 | | | |
| 6-May-21 | 0.67 | <1 | <1 | 0.18 | 2 | | | |
| 19-May-21 | 0.76 | <1 | <1 | 0.18 | 2 | | | |
| 4-Jun-21 | 0.74 | <1 | <1 | 0.15 | <2 | | | |
| 17-Jun-21 | 0.55 | <1 | <1 | 0.77 | 6 | | | |
| 30-Jun-21 | 0.7 | <1 | <1 | 0.36 | 2 | | | |
| 14-Jul-21 | 0.61 | <1 | <1 | 0.64 | 4 | | | |
| 28-Jul-21 | 0.68 | <1 | <1 | 0.27 | 2 | | | |
| 11-Aug-21 | 0.76 | <1 | <1 | 0.37 | <2 | | | |
| 24-Aug-21 | 0.68 | <1 | <1 | 0.26 | 2 | | | |
| 7-Sep-21 | 0.71 | <1 | <1 | 0.21 | 6 | | | |
| 22-Sep-21 | 0.59 | <1 | <1 | 0.2 | <2 | | | |
| 6-Oct-21 | 0.73 | <1 | <1 | 0.28 | <2 | | | |
| 20-Oct-21 | 0.78 | <1 | <1 | 0.14 | 4 | | | |
| 3-Nov-21 | 0.95 | <1 | <1 | 0.14 | 2 | | | |
| 17-Nov-21 | 1.08 | <1 | <1 | 0.14 | <2 | | | |
| 1-Dec-21 | 0.86 | <1 | <1 | 0.24 | 2 | | | |
| 15-Dec-21 | 0.85 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.73 | <1 | <1 | 0.13 | <2 | | | |
| 28-Jan-21 | 0.86 | <1 | <1 | 0.15 | <2 | | | |
| 9-Feb-21 | 0.8 | <1 | <1 | 0.11 | <2 | | | |
| 25-Feb-21 | 0.79 | <1 | <1 | 0.11 | <2 | | | |
| 11-Mar-21 | 0.95 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.78 | <1 | <1 | 0.17 | <2 | | | |
| 8-Apr-21 | 0.73 | <1 | <1 | 0.11 | <2 | | | |
| 22-Apr-21 | 0.79 | <1 | <1 | 0.14 | <2 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|---------------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-562K | GRAB | 1300 Blk Gilmore St. | 6-May-21 | 0.96 | <1 | <1 | 0.19 | <2 |
| | | | 19-May-21 | 0.8 | <1 | <1 | 0.13 | <2 |
| | | | 4-Jun-21 | 0.8 | <1 | <1 | 0.14 | <2 |
| | | | 17-Jun-21 | 0.61 | <1 | <1 | 0.18 | <2 |
| | | | 30-Jun-21 | 0.78 | <1 | <1 | 0.21 | 4 |
| | | | 14-Jul-21 | 0.93 | <1 | <1 | 0.15 | 2 |
| | | | 28-Jul-21 | 0.77 | <1 | <1 | 0.22 | <2 |
| | | | 11-Aug-21 | 0.71 | <1 | <1 | 0.29 | <2 |
| | | | 24-Aug-21 | 0.74 | <1 | <1 | 0.28 | 2 |
| | | | 7-Sep-21 | 0.95 | <1 | <1 | 0.25 | <2 |
| | | | 22-Sep-21 | 0.77 | <1 | <1 | 0.23 | <2 |
| | | | 6-Oct-21 | 0.98 | <1 | <1 | 0.18 | <2 |
| | | | 20-Oct-21 | 0.82 | <1 | <1 | 0.18 | 2 |
| | | | 3-Nov-21 | 0.92 | <1 | <1 | 0.23 | <2 |
| | | | 17-Nov-21 | 1.11 | <1 | <1 | 0.12 | <2 |
| 1-Dec-21 | 0.99 | <1 | <1 | 0.12 | <2 | | | |
| 15-Dec-21 | 1.05 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.59 | <1 | <1 | 0.15 | 2 | | | |
| 28-Jan-21 | 0.6 | <1 | <1 | 0.21 | <2 | | | |
| 9-Feb-21 | 0.61 | <1 | <1 | 0.09 | <2 | | | |
| 25-Feb-21 | 0.58 | <1 | <1 | 0.15 | 2 | | | |
| 11-Mar-21 | 0.74 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.64 | <1 | <1 | 0.1 | <2 | | | |
| 8-Apr-21 | 0.7 | <1 | <1 | 0.09 | <2 | | | |
| 22-Apr-21 | 0.7 | <1 | <1 | 0.13 | <2 | | | |
| 6-May-21 | 0.67 | <1 | <1 | 0.26 | <2 | | | |
| 19-May-21 | 0.74 | <1 | <1 | 0.1 | <2 | | | |
| 4-Jun-21 | 0.68 | <1 | <1 | 0.14 | <2 | | | |
| 17-Jun-21 | 0.52 | <1 | <1 | 0.11 | <2 | | | |
| 30-Jun-21 | 0.71 | <1 | <1 | 0.24 | 4 | | | |
| 14-Jul-21 | 0.82 | <1 | <1 | 0.24 | 2 | | | |
| 28-Jul-21 | 0.68 | <1 | <1 | 0.13 | 10 | | | |
| 11-Aug-21 | 0.41 | <1 | <1 | 0.27 | <2 | | | |
| 24-Aug-21 | 0.65 | <1 | <1 | 0.13 | 14 | | | |
| 7-Sep-21 | 0.83 | <1 | <1 | 0.2 | 8 | | | |
| 22-Sep-21 | 0.55 | <1 | <1 | 0.16 | <2 | | | |
| 6-Oct-21 | 0.5 | <1 | <1 | 0.12 | <2 | | | |
| 20-Oct-21 | 0.69 | <1 | <1 | 0.14 | 4 | | | |
| 3-Nov-21 | 0.74 | <1 | <1 | 0.15 | 12 | | | |
| 17-Nov-21 | 0.59 | <1 | <1 | 0.15 | <2 | | | |
| 1-Dec-21 | 0.55 | <1 | <1 | 0.14 | 6 | | | |
| 15-Dec-21 | 0.44 | <1 | <1 | 0.14 | 4 | | | |
| 15-Jan-21 | 0.68 | - | - | 11 | 6 | | | |
| 28-Jan-21 | 0.69 | <1 | <1 | 0.22 | <2 | | | |
| BUR-563K | GRAB | 6200 Lougheed Hwy (Kingsland Ct. cds) | 6-May-21 | 0.96 | <1 | <1 | 0.19 | <2 |
| | | | 19-May-21 | 0.8 | <1 | <1 | 0.13 | <2 |
| | | | 4-Jun-21 | 0.8 | <1 | <1 | 0.14 | <2 |
| | | | 17-Jun-21 | 0.61 | <1 | <1 | 0.18 | <2 |
| | | | 30-Jun-21 | 0.78 | <1 | <1 | 0.21 | 4 |
| | | | 14-Jul-21 | 0.93 | <1 | <1 | 0.15 | 2 |
| | | | 28-Jul-21 | 0.77 | <1 | <1 | 0.22 | <2 |
| | | | 11-Aug-21 | 0.71 | <1 | <1 | 0.29 | <2 |
| | | | 24-Aug-21 | 0.74 | <1 | <1 | 0.28 | 2 |
| | | | 7-Sep-21 | 0.95 | <1 | <1 | 0.25 | <2 |
| | | | 22-Sep-21 | 0.77 | <1 | <1 | 0.23 | <2 |
| | | | 6-Oct-21 | 0.98 | <1 | <1 | 0.18 | <2 |
| | | | 20-Oct-21 | 0.82 | <1 | <1 | 0.18 | 2 |
| | | | 3-Nov-21 | 0.92 | <1 | <1 | 0.23 | <2 |
| | | | 17-Nov-21 | 1.11 | <1 | <1 | 0.12 | <2 |
| 1-Dec-21 | 0.99 | <1 | <1 | 0.12 | <2 | | | |
| 15-Dec-21 | 1.05 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.59 | <1 | <1 | 0.15 | 2 | | | |
| 28-Jan-21 | 0.6 | <1 | <1 | 0.21 | <2 | | | |
| 9-Feb-21 | 0.61 | <1 | <1 | 0.09 | <2 | | | |
| 25-Feb-21 | 0.58 | <1 | <1 | 0.15 | 2 | | | |
| 11-Mar-21 | 0.74 | <1 | <1 | 0.09 | <2 | | | |
| 26-Mar-21 | 0.64 | <1 | <1 | 0.1 | <2 | | | |
| 8-Apr-21 | 0.7 | <1 | <1 | 0.09 | <2 | | | |
| 22-Apr-21 | 0.7 | <1 | <1 | 0.13 | <2 | | | |
| 6-May-21 | 0.67 | <1 | <1 | 0.26 | <2 | | | |
| 19-May-21 | 0.74 | <1 | <1 | 0.1 | <2 | | | |
| 4-Jun-21 | 0.68 | <1 | <1 | 0.14 | <2 | | | |
| 17-Jun-21 | 0.52 | <1 | <1 | 0.11 | <2 | | | |
| 30-Jun-21 | 0.71 | <1 | <1 | 0.24 | 4 | | | |
| 14-Jul-21 | 0.82 | <1 | <1 | 0.24 | 2 | | | |
| 28-Jul-21 | 0.68 | <1 | <1 | 0.13 | 10 | | | |
| 11-Aug-21 | 0.41 | <1 | <1 | 0.27 | <2 | | | |
| 24-Aug-21 | 0.65 | <1 | <1 | 0.13 | 14 | | | |
| 7-Sep-21 | 0.83 | <1 | <1 | 0.2 | 8 | | | |
| 22-Sep-21 | 0.55 | <1 | <1 | 0.16 | <2 | | | |
| 6-Oct-21 | 0.5 | <1 | <1 | 0.12 | <2 | | | |
| 20-Oct-21 | 0.69 | <1 | <1 | 0.14 | 4 | | | |
| 3-Nov-21 | 0.74 | <1 | <1 | 0.15 | 12 | | | |
| 17-Nov-21 | 0.59 | <1 | <1 | 0.15 | <2 | | | |
| 1-Dec-21 | 0.55 | <1 | <1 | 0.14 | 6 | | | |
| 15-Dec-21 | 0.44 | <1 | <1 | 0.14 | 4 | | | |
| 15-Jan-21 | 0.68 | - | - | 11 | 6 | | | |
| 28-Jan-21 | 0.69 | <1 | <1 | 0.22 | <2 | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|---------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-564K | GRAB | 4400 Still Creek | 9-Feb-21 | 0.89 | <1 | <1 | 0.12 | 6 |
| | | | 25-Feb-21 | 0.88 | <1 | <1 | 0.1 | 12 |
| | | | 11-Mar-21 | 0.86 | <1 | <1 | 0.11 | <2 |
| | | | 26-Mar-21 | 0.79 | <1 | <1 | 0.15 | 2 |
| | | | 8-Apr-21 | 0.56 | <1 | <1 | 0.12 | <2 |
| | | | 22-Apr-21 | 0.72 | <1 | <1 | 0.19 | 20 |
| | | | 6-May-21 | 0.84 | <1 | <1 | 0.23 | 18 |
| | | | 19-May-21 | 0.77 | <1 | <1 | 0.12 | 8 |
| | | | 4-Jun-21 | 0.41 | <1 | <1 | 0.2 | <2 |
| | | | 17-Jun-21 | 0.66 | <1 | <1 | 0.39 | 6 |
| | | | 30-Jun-21 | 0.71 | <1 | <1 | 0.3 | 16 |
| | | | 14-Jul-21 | 0.74 | <1 | <1 | 0.29 | 14 |
| | | | 28-Jul-21 | 0.68 | <1 | <1 | 0.28 | 42 |
| | | | 11-Aug-21 | 0.69 | <1 | <1 | 0.37 | <2 |
| | | | 24-Aug-21 | 0.64 | <1 | <1 | 0.18 | 10 |
| | | | 7-Sep-21 | 0.76 | <1 | <1 | 0.28 | 18 |
| | | | 22-Sep-21 | 0.66 | <1 | <1 | 0.21 | 10 |
| | | | 6-Oct-21 | 0.67 | <1 | <1 | 0.19 | 4 |
| | | | 20-Oct-21 | 0.66 | <1 | <1 | 0.35 | 14 |
| | | | 3-Nov-21 | 0.92 | <1 | <1 | 0.15 | <2 |
| 17-Nov-21 | 1.04 | <1 | <1 | 0.12 | 6 | | | |
| 1-Dec-21 | 0.78 | <1 | <1 | 0.13 | <2 | | | |
| 15-Dec-21 | 0.55 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.33 | <1 | <1 | 0.12 | <2 | | | |
| 28-Jan-21 | 0.68 | <1 | <1 | 0.13 | <2 | | | |
| 9-Feb-21 | 0.61 | <1 | <1 | 0.09 | <2 | | | |
| 25-Feb-21 | 0.69 | <1 | <1 | 0.1 | <2 | | | |
| 11-Mar-21 | 0.5 | <1 | <1 | 0.1 | <2 | | | |
| 26-Mar-21 | 0.82 | <1 | <1 | 0.11 | <2 | | | |
| 8-Apr-21 | 0.59 | <1 | <1 | 0.09 | <2 | | | |
| 22-Apr-21 | 0.73 | <1 | <1 | 0.12 | <2 | | | |
| 6-May-21 | 0.66 | <1 | <1 | 0.15 | <2 | | | |
| 19-May-21 | 0.75 | <1 | <1 | 0.09 | <2 | | | |
| 4-Jun-21 | 0.63 | <1 | <1 | 0.16 | <2 | | | |
| 17-Jun-21 | 0.66 | <1 | <1 | 1.4 | <2 | | | |
| 30-Jun-21 | 0.66 | <1 | <1 | 0.32 | <2 | | | |
| 14-Jul-21 | 0.88 | <1 | <1 | 0.29 | 2 | | | |
| 28-Jul-21 | 0.75 | <1 | <1 | 0.2 | <2 | | | |
| 11-Aug-21 | 0.61 | <1 | <1 | 0.24 | <2 | | | |
| 24-Aug-21 | 0.68 | <1 | <1 | 0.14 | 38 | | | |
| 7-Sep-21 | 0.84 | <1 | <1 | 0.21 | 4 | | | |
| 22-Sep-21 | 0.73 | <1 | <1 | 0.19 | 6 | | | |
| 6-Oct-21 | 0.69 | <1 | <1 | 0.15 | 30 | | | |
| 20-Oct-21 | 0.34 | <1 | <1 | 0.13 | 40 | | | |
| BUR-565K | GRAB | 5700 Blk Laurel St. | 9-Feb-21 | 0.89 | <1 | <1 | 0.12 | 6 |
| | | | 25-Feb-21 | 0.88 | <1 | <1 | 0.1 | 12 |
| | | | 11-Mar-21 | 0.86 | <1 | <1 | 0.11 | <2 |
| | | | 26-Mar-21 | 0.79 | <1 | <1 | 0.15 | 2 |
| | | | 8-Apr-21 | 0.56 | <1 | <1 | 0.12 | <2 |
| | | | 22-Apr-21 | 0.72 | <1 | <1 | 0.19 | 20 |
| | | | 6-May-21 | 0.84 | <1 | <1 | 0.23 | 18 |
| | | | 19-May-21 | 0.77 | <1 | <1 | 0.12 | 8 |
| | | | 4-Jun-21 | 0.41 | <1 | <1 | 0.2 | <2 |
| | | | 17-Jun-21 | 0.66 | <1 | <1 | 0.39 | 6 |
| 30-Jun-21 | 0.71 | <1 | <1 | 0.3 | 16 | | | |
| 14-Jul-21 | 0.74 | <1 | <1 | 0.29 | 14 | | | |
| 28-Jul-21 | 0.68 | <1 | <1 | 0.28 | 42 | | | |
| 11-Aug-21 | 0.69 | <1 | <1 | 0.37 | <2 | | | |
| 24-Aug-21 | 0.64 | <1 | <1 | 0.18 | 10 | | | |
| 7-Sep-21 | 0.76 | <1 | <1 | 0.28 | 18 | | | |
| 22-Sep-21 | 0.66 | <1 | <1 | 0.21 | 10 | | | |
| 6-Oct-21 | 0.67 | <1 | <1 | 0.19 | 4 | | | |
| 20-Oct-21 | 0.66 | <1 | <1 | 0.35 | 14 | | | |
| 3-Nov-21 | 0.92 | <1 | <1 | 0.15 | <2 | | | |
| 17-Nov-21 | 1.04 | <1 | <1 | 0.12 | 6 | | | |
| 1-Dec-21 | 0.78 | <1 | <1 | 0.13 | <2 | | | |
| 15-Dec-21 | 0.55 | <1 | <1 | 0.13 | <2 | | | |
| 15-Jan-21 | 0.33 | <1 | <1 | 0.12 | <2 | | | |
| 28-Jan-21 | 0.68 | <1 | <1 | 0.13 | <2 | | | |
| 9-Feb-21 | 0.61 | <1 | <1 | 0.09 | <2 | | | |
| 25-Feb-21 | 0.69 | <1 | <1 | 0.1 | <2 | | | |
| 11-Mar-21 | 0.5 | <1 | <1 | 0.1 | <2 | | | |
| 26-Mar-21 | 0.82 | <1 | <1 | 0.11 | <2 | | | |
| 8-Apr-21 | 0.59 | <1 | <1 | 0.09 | <2 | | | |
| 22-Apr-21 | 0.73 | <1 | <1 | 0.12 | <2 | | | |
| 6-May-21 | 0.66 | <1 | <1 | 0.15 | <2 | | | |
| 19-May-21 | 0.75 | <1 | <1 | 0.09 | <2 | | | |
| 4-Jun-21 | 0.63 | <1 | <1 | 0.16 | <2 | | | |
| 17-Jun-21 | 0.66 | <1 | <1 | 1.4 | <2 | | | |
| 30-Jun-21 | 0.66 | <1 | <1 | 0.32 | <2 | | | |
| 14-Jul-21 | 0.88 | <1 | <1 | 0.29 | 2 | | | |
| 28-Jul-21 | 0.75 | <1 | <1 | 0.2 | <2 | | | |
| 11-Aug-21 | 0.61 | <1 | <1 | 0.24 | <2 | | | |
| 24-Aug-21 | 0.68 | <1 | <1 | 0.14 | 38 | | | |
| 7-Sep-21 | 0.84 | <1 | <1 | 0.21 | 4 | | | |
| 22-Sep-21 | 0.73 | <1 | <1 | 0.19 | 6 | | | |
| 6-Oct-21 | 0.69 | <1 | <1 | 0.15 | 30 | | | |
| 20-Oct-21 | 0.34 | <1 | <1 | 0.13 | 40 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|----------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-566K | GRAB | 4100 Blk Garden Grove Dr. | 3-Nov-21 | 0.7 | <1 | <1 | 0.15 | 6 | |
| | | | 17-Nov-21 | 0.6 | <1 | <1 | 0.13 | 10 | |
| | | | 1-Dec-21 | 0.72 | <1 | <1 | 0.16 | 2 | |
| | | | 15-Dec-21 | 0.69 | <1 | <1 | 0.15 | <2 | |
| | | | 15-Jan-21 | 0.53 | <1 | <1 | 2 | 2 | |
| | | | 28-Jan-21 | 0.74 | <1 | <1 | 0.11 | <2 | |
| | | | 9-Feb-21 | 0.89 | <1 | <1 | 0.09 | <2 | |
| | | | 25-Feb-21 | 0.84 | <1 | <1 | 0.11 | <2 | |
| | | | 11-Mar-21 | 0.66 | <1 | <1 | 0.1 | 4 | |
| | | | 26-Mar-21 | 0.49 | <1 | <1 | 0.12 | <2 | |
| | | | 8-Apr-21 | 0.69 | <1 | <1 | 0.11 | <2 | |
| | | | 22-Apr-21 | 0.71 | <1 | <1 | 0.18 | <2 | |
| | | | 6-May-21 | 0.63 | <1 | <1 | 0.09 | <2 | |
| | | | 19-May-21 | 0.76 | <1 | <1 | 0.13 | <2 | |
| | | | 4-Jun-21 | 0.71 | <1 | <1 | 0.17 | <2 | |
| | | | 17-Jun-21 | 0.64 | <1 | <1 | 0.21 | <2 | |
| | | | 30-Jun-21 | 0.63 | <1 | <1 | 0.25 | <2 | |
| | | | 14-Jul-21 | 0.46 | <1 | <1 | 0.27 | <2 | |
| | | | 28-Jul-21 | 0.74 | <1 | <1 | 0.15 | 14 | |
| | | | 11-Aug-21 | 0.51 | <1 | <1 | 0.29 | 4 | |
| 24-Aug-21 | 0.73 | <1 | <1 | 0.18 | 2 | | | | |
| 7-Sep-21 | 0.87 | <1 | <1 | 0.21 | 60 | | | | |
| 22-Sep-21 | 0.42 | <1 | <1 | 0.18 | <2 | | | | |
| 6-Oct-21 | 0.42 | <1 | <1 | 0.13 | <2 | | | | |
| 20-Oct-21 | 0.74 | <1 | <1 | 0.15 | <2 | | | | |
| 3-Nov-21 | 0.73 | <1 | <1 | 0.12 | 2 | | | | |
| 17-Nov-21 | 0.82 | <1 | <1 | 0.13 | <2 | | | | |
| 1-Dec-21 | 0.8 | <1 | <1 | 0.15 | <2 | | | | |
| 15-Dec-21 | 0.69 | <1 | <1 | 0.13 | <2 | | | | |
| 15-Jan-21 | 0.72 | <1 | <1 | 0.15 | 8 | | | | |
| 28-Jan-21 | 0.66 | <1 | <1 | 0.11 | <2 | | | | |
| 9-Feb-21 | 0.77 | <1 | <1 | 0.1 | <2 | | | | |
| 25-Feb-21 | 0.73 | <1 | <1 | 0.11 | <2 | | | | |
| 11-Mar-21 | 0.66 | <1 | <1 | 0.12 | <2 | | | | |
| 26-Mar-21 | 0.77 | <1 | <1 | 0.15 | 2 | | | | |
| 8-Apr-21 | 0.57 | <1 | <1 | 0.13 | <2 | | | | |
| 22-Apr-21 | 0.7 | <1 | <1 | 0.33 | 22 | | | | |
| 6-May-21 | 0.64 | <1 | <1 | 0.16 | 2 | | | | |
| 19-May-21 | 0.5 | <1 | <1 | 0.16 | <2 | | | | |
| 4-Jun-21 | 0.66 | <1 | <1 | 0.25 | <2 | | | | |
| 17-Jun-21 | 0.56 | <1 | <1 | 0.16 | <2 | | | | |
| 30-Jun-21 | 0.71 | <1 | <1 | 0.35 | 2 | | | | |
| 14-Jul-21 | 0.66 | <1 | <1 | 0.26 | 8 | | | | |
| 28-Jul-21 | 0.65 | <1 | <1 | 0.3 | 200 | | | | |
| BUR-567K | GRAB | SS of CG Brown Pool, Sprrott St. | | | | | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|----------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-567K | GRAB | SS of CG Brown Pool, Sprrott St. | 11-Aug-21 | 0.59 | <1 | <1 | 0.42 | <2 |
| | | | 24-Aug-21 | 0.62 | <1 | <1 | 0.19 | 20 |
| | | | 7-Sep-21 | 0.69 | <1 | <1 | 0.16 | 6 |
| | | | 22-Sep-21 | 0.67 | <1 | <1 | 0.14 | 22 |
| | | | 6-Oct-21 | 0.75 | <1 | <1 | 0.27 | <2 |
| | | | 20-Oct-21 | 0.51 | <1 | <1 | 0.12 | 20 |
| | | | 3-Nov-21 | 0.79 | <1 | <1 | 0.12 | 8 |
| | | | 17-Nov-21 | 0.78 | <1 | <1 | 0.11 | 2 |
| | | | 1-Dec-21 | 0.98 | <1 | <1 | 0.1 | <2 |
| | | | 15-Dec-21 | 0.76 | <1 | <1 | 0.12 | 2 |
| | | | 15-Jan-21 | 0.67 | <1 | <1 | 0.15 | 2 |
| | | | 28-Jan-21 | 0.66 | <1 | <1 | 0.12 | <2 |
| | | | 9-Feb-21 | 0.71 | <1 | <1 | 0.21 | <2 |
| | | | 25-Feb-21 | 0.54 | <1 | <1 | 0.11 | <2 |
| | | | 11-Mar-21 | 0.77 | <1 | <1 | 0.15 | <2 |
| BUR-568K | GRAB | 3900 Blk Philips | 26-Mar-21 | 0.71 | <1 | <1 | 0.11 | <2 |
| | | | 8-Apr-21 | 0.8 | <1 | <1 | 0.13 | <2 |
| | | | 22-Apr-21 | 0.71 | <1 | <1 | 0.13 | 4 |
| | | | 6-May-21 | 0.72 | <1 | <1 | 0.32 | <2 |
| | | | 19-May-21 | 0.67 | <1 | <1 | 0.19 | 2 |
| | | | 4-Jun-21 | 0.63 | <1 | 1 | 0.11 | <2 |
| | | | 17-Jun-21 | 0.65 | <1 | <1 | 0.16 | 2 |
| | | | 30-Jun-21 | 0.69 | <1 | <1 | 0.46 | 2 |
| | | | 14-Jul-21 | 0.85 | <1 | <1 | 0.34 | <2 |
| | | | 28-Jul-21 | 0.76 | <1 | <1 | 0.31 | 22 |
| | | | 11-Aug-21 | 0.71 | <1 | <1 | 0.3 | <2 |
| | | | 24-Aug-21 | 0.59 | <1 | <1 | 0.13 | 2 |
| | | | 7-Sep-21 | 0.86 | <1 | <1 | 0.19 | 22 |
| | | | 22-Sep-21 | 0.65 | <1 | <1 | 0.16 | 10 |
| | | | 6-Oct-21 | 0.69 | <1 | <1 | 0.15 | 6 |
| 20-Oct-21 | 0.74 | <1 | <1 | 0.29 | 16 | | | |
| 3-Nov-21 | 0.87 | <1 | <1 | 0.13 | 10 | | | |
| 17-Nov-21 | 0.87 | <1 | <1 | 0.15 | 8 | | | |
| 1-Dec-21 | 0.84 | <1 | <1 | 0.1 | 4 | | | |
| 15-Dec-21 | 0.74 | <1 | <1 | 0.2 | 12 | | | |
| 14-Jan-21 | 0.55 | <1 | <1 | 0.13 | <2 | | | |
| 29-Jan-21 | 0.76 | <1 | <1 | 0.16 | <2 | | | |
| 11-Feb-21 | 0.82 | <1 | <1 | 0.11 | 4 | | | |
| 26-Feb-21 | 0.49 | <1 | <1 | 0.12 | <2 | | | |
| 12-Mar-21 | 0.59 | <1 | <1 | 0.1 | <2 | | | |
| 23-Mar-21 | 0.55 | <1 | <1 | 0.1 | <2 | | | |
| 6-Apr-21 | 0.54 | <1 | <1 | 0.08 | 2 | | | |
| 20-Apr-21 | 1.06 | <1 | <1 | 0.19 | <2 | | | |
| 4-May-21 | 0.81 | <1 | <1 | 0.09 | <2 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|-------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-569K | GRAB | 3200 Blk Smith | 20-May-21 | 0.77 | <1 | <1 | 0.18 | <2 |
| | | | 1-Jun-21 | 0.66 | <1 | <1 | 0.1 | <2 |
| | | | 16-Jun-21 | 0.62 | <1 | <1 | 0.13 | 20 |
| | | | 29-Jun-21 | 0.57 | <1 | <1 | 0.24 | <2 |
| | | | 13-Jul-21 | 0.69 | <1 | <1 | 0.24 | 26 |
| | | | 27-Jul-21 | 0.61 | <1 | <1 | 0.13 | 2 |
| | | | 10-Aug-21 | 0.52 | <1 | <1 | 0.16 | 2 |
| | | | 25-Aug-21 | 0.62 | <1 | <1 | 0.24 | <2 |
| | | | 8-Sep-21 | 0.77 | <1 | <1 | 0.18 | <2 |
| | | | 21-Sep-21 | 0.67 | <1 | <1 | 0.16 | 2 |
| | | | 5-Oct-21 | 0.67 | <1 | <1 | 0.2 | 2 |
| | | | 19-Oct-21 | 0.75 | <1 | <1 | 0.15 | <2 |
| | | | 2-Nov-21 | 0.8 | <1 | <1 | 0.19 | <2 |
| | | | 16-Nov-21 | 0.71 | <1 | <1 | 0.11 | <2 |
| BUR-569K | GRAB | 3200 Blk Smith | 30-Nov-21 | 0.79 | <1 | <1 | 0.17 | <2 |
| | | | 14-Dec-21 | 0.81 | <1 | <1 | 0.15 | <2 |
| | | | 4-Jan-21 | 1 | <1 | <1 | 0.1 | <2 |
| | | | 21-Jan-21 | 0.76 | <1 | <1 | 0.11 | <2 |
| | | | 5-Feb-21 | 0.59 | <1 | <1 | 0.13 | <2 |
| | | | 18-Feb-21 | 0.99 | <1 | <1 | 0.33 | <2 |
| | | | 4-Mar-21 | 0.78 | <1 | <1 | 0.16 | <2 |
| | | | 17-Mar-21 | 0.77 | <1 | <1 | 0.29 | <2 |
| | | | 31-Mar-21 | 0.7 | <1 | <1 | 0.17 | <2 |
| | | | 14-Apr-21 | 0.65 | <1 | <1 | 0.16 | <2 |
| | | | 27-Apr-21 | 0.68 | <1 | <1 | 0.16 | <2 |
| | | | 11-May-21 | 0.81 | <1 | <1 | 0.1 | 14 |
| | | | 25-May-21 | 0.68 | <1 | <1 | 0.09 | <2 |
| | | | 9-Jun-21 | 0.62 | <1 | <1 | 0.1 | <2 |
| 23-Jun-21 | 0.62 | <1 | <1 | 0.2 | <2 | | | |
| BUR-570K | GRAB | 6000 Blk Buckingham Dr. | 6-Jul-21 | 0.75 | <1 | <1 | 0.29 | <2 |
| | | | 21-Jul-21 | 0.68 | <1 | <1 | 0.45 | <2 |
| | | | 4-Aug-21 | 0.7 | <1 | <1 | 0.35 | 130 |
| | | | 17-Aug-21 | 0.71 | <1 | <1 | 0.25 | 160 |
| | | | 1-Sep-21 | 0.71 | <1 | <1 | 0.23 | 46 |
| | | | 14-Sep-21 | 0.64 | <1 | <1 | 0.12 | <2 |
| | | | 28-Sep-21 | 0.94 | <1 | <1 | 0.13 | 8 |
| | | | 14-Oct-21 | 0.7 | <1 | <1 | 0.19 | 12 |
| | | | 27-Oct-21 | 0.48 | <1 | <1 | 0.17 | <2 |
| | | | 10-Nov-21 | 0.57 | <1 | <1 | 0.15 | 2 |
| | | | 24-Nov-21 | 0.72 | <1 | <1 | 0.28 | 8 |
| | | | 8-Dec-21 | 0.67 | <1 | <1 | 0.14 | <2 |
| | | | 22-Dec-21 | 0.88 | <1 | <1 | 0.15 | NA |
| | | | 4-Jan-21 | 0.88 | <1 | <1 | 0.19 | <2 |
| 21-Jan-21 | 0.84 | <1 | <1 | 0.16 | 2 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|-----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-572K | GRAB | 8200 Blk Forest Grove | 5-Feb-21 | 0.82 | <1 | <1 | 0.3 | 2 | |
| | | | 18-Feb-21 | 0.7 | <1 | <1 | 0.34 | <2 | |
| | | | 4-Mar-21 | 0.6 | <1 | <1 | 0.19 | <2 | |
| | | | 17-Mar-21 | 0.76 | <1 | <1 | 0.29 | <2 | |
| | | | 31-Mar-21 | 1.22 | <1 | <1 | 0.11 | <2 | |
| | | | 14-Apr-21 | 1.12 | <1 | <1 | 0.2 | <2 | |
| | | | 27-Apr-21 | 0.74 | <1 | <1 | 0.13 | <2 | |
| | | | 11-May-21 | 0.66 | <1 | <1 | 0.16 | <2 | |
| | | | 25-May-21 | 0.76 | <1 | <1 | 0.13 | <2 | |
| | | | 9-Jun-21 | 0.66 | <1 | <1 | 0.13 | <2 | |
| | | | 23-Jun-21 | 0.58 | <1 | <1 | 0.18 | 2 | |
| | | | 6-Jul-21 | 0.61 | <1 | <1 | 0.21 | <2 | |
| | | | 21-Jul-21 | 0.59 | <1 | <1 | 0.48 | <2 | |
| | | | 4-Aug-21 | 0.76 | <1 | <1 | 0.36 | 4 | |
| | | | 17-Aug-21 | 0.46 | <1 | <1 | 0.22 | <2 | |
| | | | 1-Sep-21 | 0.71 | <1 | <1 | 0.19 | <2 | |
| | | | 14-Sep-21 | 0.66 | <1 | <1 | 0.19 | 2 | |
| | | | 28-Sep-21 | 0.79 | <1 | <1 | 0.29 | <2 | |
| | | | 14-Oct-21 | 0.72 | <1 | <1 | 0.26 | <2 | |
| | | | 27-Oct-21 | 0.65 | <1 | <1 | 0.16 | <2 | |
| 10-Nov-21 | 0.68 | <1 | <1 | 0.17 | <2 | | | | |
| 24-Nov-21 | 0.71 | <1 | <1 | 0.16 | <2 | | | | |
| 8-Dec-21 | 0.7 | <1 | <1 | 0.12 | <2 | | | | |
| 22-Dec-21 | 0.74 | <1 | <1 | 0.26 | NA | | | | |
| 7-Jan-21 | 0.78 | <1 | <1 | 0.1 | <2 | | | | |
| 22-Jan-21 | 0.91 | <1 | <1 | 0.18 | <2 | | | | |
| 4-Feb-21 | 0.77 | <1 | <1 | 0.12 | <2 | | | | |
| 16-Feb-21 | 0.87 | <1 | <1 | 0.1 | <2 | | | | |
| 3-Mar-21 | 0.59 | <1 | <1 | 0.11 | <2 | | | | |
| 16-Mar-21 | 0.73 | <1 | <1 | 0.1 | <2 | | | | |
| 30-Mar-21 | 0.73 | <1 | <1 | 0.13 | <2 | | | | |
| 13-Apr-21 | 0.53 | <1 | <1 | 0.13 | <2 | | | | |
| 30-Apr-21 | 0.79 | <1 | <1 | 0.07 | <2 | | | | |
| 12-May-21 | 0.81 | <1 | <1 | 0.21 | <2 | | | | |
| 26-May-21 | 0.73 | <1 | <1 | 0.11 | 26 | | | | |
| 10-Jun-21 | 0.99 | <1 | <1 | 0.11 | <2 | | | | |
| 22-Jun-21 | 0.64 | <1 | <1 | 0.37 | 2 | | | | |
| 7-Jul-21 | 0.86 | <1 | <1 | 0.14 | <2 | | | | |
| 20-Jul-21 | 0.7 | <1 | <1 | 0.13 | <2 | | | | |
| 3-Aug-21 | 0.79 | <1 | <1 | 0.15 | 4 | | | | |
| 18-Aug-21 | 0.6 | <1 | <1 | 0.13 | <2 | | | | |
| 31-Aug-21 | 0.72 | <1 | <1 | 0.13 | 8 | | | | |
| 15-Sep-21 | 0.84 | <1 | <1 | 0.15 | 8 | | | | |
| 29-Sep-21 | 0.76 | <1 | <1 | 0.22 | 4 | | | | |
| BUR-572K | GRAB | 8200 Blk Forest Grove | 10-Nov-21 | 0.68 | <1 | <1 | 0.17 | <2 | |
| | | | 24-Nov-21 | 0.71 | <1 | <1 | 0.16 | <2 | |
| | | | 8-Dec-21 | 0.7 | <1 | <1 | 0.12 | <2 | |
| | | | 22-Dec-21 | 0.74 | <1 | <1 | 0.26 | NA | |
| | | | 7-Jan-21 | 0.78 | <1 | <1 | 0.1 | <2 | |
| | | | 22-Jan-21 | 0.91 | <1 | <1 | 0.18 | <2 | |
| | | | 4-Feb-21 | 0.77 | <1 | <1 | 0.12 | <2 | |
| | | | 16-Feb-21 | 0.87 | <1 | <1 | 0.1 | <2 | |
| | | | 3-Mar-21 | 0.59 | <1 | <1 | 0.11 | <2 | |
| | | | 16-Mar-21 | 0.73 | <1 | <1 | 0.1 | <2 | |
| BUR-573K | GRAB | 4400 Blk Dundas | 30-Mar-21 | 0.73 | <1 | <1 | 0.13 | <2 | |
| | | | 13-Apr-21 | 0.53 | <1 | <1 | 0.13 | <2 | |
| | | | 30-Apr-21 | 0.79 | <1 | <1 | 0.07 | <2 | |
| | | | 12-May-21 | 0.81 | <1 | <1 | 0.21 | <2 | |
| | | | 26-May-21 | 0.73 | <1 | <1 | 0.11 | 26 | |
| | | | 10-Jun-21 | 0.99 | <1 | <1 | 0.11 | <2 | |
| | | | 22-Jun-21 | 0.64 | <1 | <1 | 0.37 | 2 | |
| | | | 7-Jul-21 | 0.86 | <1 | <1 | 0.14 | <2 | |
| | | | 20-Jul-21 | 0.7 | <1 | <1 | 0.13 | <2 | |
| | | | 3-Aug-21 | 0.79 | <1 | <1 | 0.15 | 4 | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|--------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-574K | GRAB | 200 Blk N. Gilmore | 13-Oct-21 | 0.75 | <1 | <1 | 0.17 | 14 | |
| | | | 26-Oct-21 | 0.72 | <1 | <1 | 0.21 | <2 | |
| | | | 9-Nov-21 | 0.75 | <1 | <1 | 0.15 | <2 | |
| | | | 23-Nov-21 | 0.71 | <1 | <1 | 0.36 | 4 | |
| | | | 7-Dec-21 | 0.77 | <1 | <1 | 0.15 | <2 | |
| | | | 21-Dec-21 | 0.81 | <1 | <1 | 0.14 | NA | |
| | | | 7-Jan-21 | 0.8 | <1 | <1 | 0.1 | <2 | |
| | | | 22-Jan-21 | 1 | <1 | <1 | 0.12 | <2 | |
| | | | 4-Feb-21 | 0.89 | <1 | <1 | 0.12 | <2 | |
| | | | 16-Feb-21 | 0.91 | <1 | <1 | 0.13 | <2 | |
| | | | 3-Mar-21 | 0.63 | <1 | <1 | 0.14 | <2 | |
| | | | 16-Mar-21 | 0.85 | <1 | <1 | 0.08 | <2 | |
| | | | 30-Mar-21 | 0.81 | <1 | <1 | 0.15 | <2 | |
| | | | 13-Apr-21 | 0.86 | <1 | <1 | 0.19 | <2 | |
| | | | 30-Apr-21 | 0.8 | <1 | <1 | 0.1 | <2 | |
| | | | 12-May-21 | 0.82 | <1 | <1 | 0.15 | <2 | |
| | | | 26-May-21 | 0.75 | <1 | <1 | 0.12 | <2 | |
| | | | 10-Jun-21 | 1.02 | <1 | <1 | 0.12 | <2 | |
| | | | 22-Jun-21 | 0.83 | <1 | <1 | 0.36 | <2 | |
| | | | 7-Jul-21 | 0.83 | <1 | <1 | 0.15 | 8 | |
| | | | 14-Jul-21 | 0.56 | <1 | <1 | 0.16 | <2 | |
| | | | 20-Jul-21 | 0.75 | <1 | <1 | 0.12 | <2 | |
| | | | 3-Aug-21 | 0.76 | <1 | <1 | 0.13 | 14 | |
| | | | 18-Aug-21 | 0.82 | <1 | <1 | 0.13 | <2 | |
| | | | 31-Aug-21 | 0.78 | <1 | <1 | 0.11 | 6 | |
| | | | 15-Sep-21 | 0.87 | <1 | <1 | 0.13 | 2 | |
| 29-Sep-21 | 1.24 | <1 | <1 | 0.16 | 8 | | | | |
| 13-Oct-21 | 0.83 | <1 | <1 | 0.18 | 8 | | | | |
| 26-Oct-21 | 0.77 | <1 | <1 | 0.28 | 18 | | | | |
| 9-Nov-21 | 0.77 | <1 | <1 | 0.25 | <2 | | | | |
| 23-Nov-21 | 0.77 | <1 | <1 | 0.23 | <2 | | | | |
| 7-Dec-21 | 0.79 | <1 | <1 | 0.18 | 10 | | | | |
| 21-Dec-21 | 0.98 | <1 | <1 | 0.2 | NA | | | | |
| 7-Jan-21 | 0.6 | <1 | <1 | 0.11 | <2 | | | | |
| 22-Jan-21 | 0.77 | <1 | <1 | 0.22 | <2 | | | | |
| 4-Feb-21 | 0.64 | <1 | <1 | 0.11 | 2 | | | | |
| 16-Feb-21 | 0.55 | <1 | <1 | 0.09 | <2 | | | | |
| 3-Mar-21 | 0.64 | <1 | <1 | 0.11 | <2 | | | | |
| 16-Mar-21 | 0.84 | <1 | <1 | 0.11 | <2 | | | | |
| 30-Mar-21 | 0.93 | <1 | <1 | 0.18 | <2 | | | | |
| 13-Apr-21 | 0.57 | <1 | <1 | 0.23 | <2 | | | | |
| 30-Apr-21 | 0.71 | <1 | <1 | 0.07 | <2 | | | | |
| 12-May-21 | 0.65 | <1 | <1 | 0.22 | 16 | | | | |
| 26-May-21 | 0.62 | <1 | <1 | 0.1 | 52 | | | | |
| BUR-574K | GRAB | 200 Blk N. Gilmore | 7-Jan-21 | 0.6 | <1 | <1 | 0.11 | <2 | |
| | | | 22-Jan-21 | 0.77 | <1 | <1 | 0.22 | <2 | |
| | | | 4-Feb-21 | 0.64 | <1 | <1 | 0.11 | 2 | |
| | | | 16-Feb-21 | 0.55 | <1 | <1 | 0.09 | <2 | |
| | | | 3-Mar-21 | 0.64 | <1 | <1 | 0.11 | <2 | |
| | | | 16-Mar-21 | 0.84 | <1 | <1 | 0.11 | <2 | |
| | | | 30-Mar-21 | 0.93 | <1 | <1 | 0.18 | <2 | |
| | | | 13-Apr-21 | 0.57 | <1 | <1 | 0.23 | <2 | |
| | | | 30-Apr-21 | 0.71 | <1 | <1 | 0.07 | <2 | |
| | | | 12-May-21 | 0.65 | <1 | <1 | 0.22 | 16 | |
| 26-May-21 | 0.62 | <1 | <1 | 0.1 | 52 | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-575K | GRAB | 1100 Blk Madison | 10-Jun-21 | 0.45 | <1 | <1 | 0.1 | 26 |
| | | | 22-Jun-21 | 0.84 | <1 | <1 | 0.17 | 4 |
| | | | 7-Jul-21 | 0.76 | <1 | <1 | 0.43 | 8 |
| | | | 20-Jul-21 | 0.62 | <1 | <1 | 0.11 | 6 |
| | | | 3-Aug-21 | 0.5 | <1 | <1 | 0.22 | 8 |
| | | | 18-Aug-21 | 0.64 | <1 | <1 | 0.14 | 24 |
| | | | 31-Aug-21 | 0.5 | <1 | <1 | 0.11 | 40 |
| | | | 15-Sep-21 | 0.59 | <1 | <1 | 0.13 | 36 |
| | | | 29-Sep-21 | 0.57 | <1 | <1 | 0.12 | 34 |
| | | | 13-Oct-21 | 0.52 | <1 | <1 | 0.16 | 22 |
| | | | 26-Oct-21 | 0.58 | <1 | <1 | 0.17 | 16 |
| | | | 9-Nov-21 | 0.64 | <1 | <1 | 0.14 | 2 |
| | | | 23-Nov-21 | 0.53 | <1 | <1 | 0.11 | <2 |
| | | | 7-Dec-21 | 0.6 | <1 | <1 | 0.17 | 4 |
| | | | 21-Dec-21 | 0.98 | <1 | <1 | 0.11 | NA |
| | | | 7-Jan-21 | 1 | <1 | <1 | 0.1 | <2 |
| | | | BUR-576K | GRAB | 6200 Blk Curtis | 22-Jan-21 | 0.76 | <1 |
| 4-Feb-21 | 0.84 | <1 | | | | <1 | 0.11 | <2 |
| 16-Feb-21 | 0.95 | <1 | | | | <1 | 0.09 | <2 |
| 3-Mar-21 | 0.7 | <1 | | | | <1 | 0.12 | <2 |
| 16-Mar-21 | 0.78 | <1 | | | | <1 | 0.17 | <2 |
| 30-Mar-21 | 0.55 | <1 | | | | <1 | 0.11 | <2 |
| 13-Apr-21 | 0.76 | <1 | | | | <1 | 0.24 | 6 |
| 30-Apr-21 | 0.88 | <1 | | | | <1 | 0.08 | <2 |
| 12-May-21 | 0.81 | <1 | | | | <1 | 0.15 | <2 |
| 26-May-21 | 0.6 | <1 | | | | <1 | 0.09 | <2 |
| 10-Jun-21 | 0.53 | <1 | | | | <1 | 0.1 | 2 |
| 22-Jun-21 | 0.8 | <1 | | | | <1 | 0.38 | <2 |
| 7-Jul-21 | 0.75 | <1 | | | | <1 | 0.19 | 2 |
| 20-Jul-21 | 0.54 | <1 | | | | <1 | 0.17 | <2 |
| 3-Aug-21 | 0.7 | <1 | | | | <1 | 0.23 | 10 |
| 18-Aug-21 | 0.66 | <1 | | | | <1 | 0.19 | <2 |
| 31-Aug-21 | 1.18 | <1 | | | | <1 | 0.14 | <2 |
| 15-Sep-21 | 0.76 | <1 | <1 | 0.15 | <2 | | | |
| 29-Sep-21 | 0.74 | <1 | <1 | 0.14 | 4 | | | |
| 13-Oct-21 | 0.74 | <1 | <1 | 0.2 | 4 | | | |
| 26-Oct-21 | 0.83 | <1 | <1 | 0.16 | <2 | | | |
| 9-Nov-21 | 0.94 | <1 | <1 | 0.14 | 2 | | | |
| 23-Nov-21 | 0.77 | <1 | <1 | 0.16 | <2 | | | |
| BUR-576K | GRAB | 6200 Blk Curtis | 7-Dec-21 | 0.73 | <1 | <1 | 0.17 | 4 |
| | | | 21-Dec-21 | 0.83 | <1 | <1 | 0.18 | NA |
| | | | 7-Jan-21 | 0.89 | <1 | <1 | 0.1 | <2 |
| | | | 22-Jan-21 | 0.82 | <1 | <1 | 0.11 | <2 |
| 4-Feb-21 | 0.76 | <1 | <1 | 0.09 | <2 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|-----------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-577K | GRAB | 1400 Heathdale Dr. | 16-Feb-21 | 0.94 | <1 | <1 | 0.1 | <2 |
| | | | 3-Mar-21 | 0.46 | <1 | <1 | 0.12 | <2 |
| | | | 16-Mar-21 | 0.59 | <1 | <1 | 0.18 | <2 |
| | | | 30-Mar-21 | 0.69 | <1 | <1 | 0.15 | <2 |
| | | | 13-Apr-21 | 0.63 | <1 | <1 | 0.25 | <2 |
| | | | 30-Apr-21 | 0.61 | <1 | <1 | 0.08 | <2 |
| | | | 12-May-21 | 0.53 | <1 | <1 | 0.21 | 2 |
| | | | 26-May-21 | 0.76 | <1 | <1 | 0.09 | <2 |
| | | | 10-Jun-21 | 0.53 | <1 | <1 | 0.13 | <2 |
| | | | 22-Jun-21 | 0.58 | <1 | <1 | 0.17 | <2 |
| | | | 7-Jul-21 | 0.61 | <1 | <1 | 0.12 | <2 |
| | | | 20-Jul-21 | 0.55 | <1 | <1 | 0.17 | <2 |
| | | | 3-Aug-21 | 0.54 | <1 | <1 | 0.18 | 2 |
| | | | 18-Aug-21 | 0.45 | <1 | <1 | 0.13 | 4 |
| | | | 31-Aug-21 | 0.43 | <1 | <1 | 0.12 | <2 |
| | | | 15-Sep-21 | 0.56 | <1 | <1 | 0.15 | 2 |
| | | | 29-Sep-21 | 0.91 | <1 | <1 | 0.11 | 6 |
| | | | 13-Oct-21 | 0.6 | <1 | <1 | 0.15 | 8 |
| | | | 26-Oct-21 | 0.64 | <1 | <1 | 0.22 | 8 |
| | | | 9-Nov-21 | 0.62 | <1 | <1 | 0.14 | 4 |
| 23-Nov-21 | 0.52 | <1 | <1 | 0.11 | 6 | | | |
| 7-Dec-21 | 0.67 | <1 | <1 | 0.14 | <2 | | | |
| 21-Dec-21 | 0.85 | <1 | <1 | 0.11 | NA | | | |
| 7-Jan-21 | 0.89 | <1 | <1 | 0.1 | 14 | | | |
| 22-Jan-21 | 0.85 | <1 | <1 | 0.13 | <2 | | | |
| 4-Feb-21 | 0.76 | <1 | <1 | 0.12 | 2 | | | |
| 16-Feb-21 | 0.85 | <1 | <1 | 0.1 | 2 | | | |
| 3-Mar-21 | 0.71 | <1 | <1 | 0.12 | <2 | | | |
| 16-Mar-21 | 0.79 | <1 | <1 | 0.14 | 4 | | | |
| 30-Mar-21 | 0.81 | <1 | <1 | 0.18 | <2 | | | |
| 13-Apr-21 | 0.8 | <1 | <1 | 0.14 | <2 | | | |
| 30-Apr-21 | 0.77 | <1 | <1 | 0.14 | <2 | | | |
| 12-May-21 | 0.33 | <1 | <1 | 0.16 | <2 | | | |
| 26-May-21 | 0.84 | <1 | <1 | 0.08 | <2 | | | |
| 10-Jun-21 | 0.82 | <1 | <1 | 0.12 | <2 | | | |
| 22-Jun-21 | 0.75 | <1 | <1 | 0.28 | <2 | | | |
| 7-Jul-21 | 0.79 | <1 | <1 | 0.18 | <2 | | | |
| 20-Jul-21 | 0.61 | <1 | <1 | 0.17 | <2 | | | |
| 3-Aug-21 | 0.73 | <1 | <1 | 0.21 | 2 | | | |
| 18-Aug-21 | 0.66 | <1 | <1 | 0.18 | 10 | | | |
| 31-Aug-21 | 0.82 | <1 | <1 | 0.1 | 2 | | | |
| 15-Sep-21 | 0.71 | <1 | <1 | 0.13 | <2 | | | |
| 29-Sep-21 | 0.75 | <1 | <1 | 0.16 | 6 | | | |
| 13-Oct-21 | 0.7 | <1 | <1 | 0.15 | <2 | | | |
| BUR-578K | GRAB | North side of IGA, Greystone Ave. | 16-Feb-21 | 0.94 | <1 | <1 | 0.1 | <2 |
| | | | 3-Mar-21 | 0.46 | <1 | <1 | 0.12 | <2 |
| | | | 16-Mar-21 | 0.59 | <1 | <1 | 0.18 | <2 |
| | | | 30-Mar-21 | 0.69 | <1 | <1 | 0.15 | <2 |
| | | | 13-Apr-21 | 0.63 | <1 | <1 | 0.25 | <2 |
| | | | 30-Apr-21 | 0.61 | <1 | <1 | 0.08 | <2 |
| | | | 12-May-21 | 0.53 | <1 | <1 | 0.21 | 2 |
| | | | 26-May-21 | 0.76 | <1 | <1 | 0.09 | <2 |
| | | | 10-Jun-21 | 0.53 | <1 | <1 | 0.13 | <2 |
| | | | 22-Jun-21 | 0.58 | <1 | <1 | 0.17 | <2 |
| | | | 7-Jul-21 | 0.61 | <1 | <1 | 0.12 | <2 |
| | | | 20-Jul-21 | 0.55 | <1 | <1 | 0.17 | <2 |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-----------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| | | | 26-Oct-21 | 1.01 | <1 | <1 | 0.25 | <2 |
| | | | 9-Nov-21 | 0.76 | <1 | <1 | 0.17 | 20 |
| | | | 23-Nov-21 | 0.77 | <1 | <1 | 0.15 | <2 |
| BUR-578K | GRAB | North side of IGA, Greystone Ave. | 7-Dec-21 | 0.79 | <1 | <1 | 0.17 | <2 |
| | | | 14-Jan-21 | 0.79 | <1 | <1 | 0.11 | <2 |
| | | | 29-Jan-21 | 0.7 | <1 | <1 | 0.17 | <2 |
| | | | 11-Feb-21 | 0.82 | <1 | <1 | 0.11 | 6 |
| | | | 26-Feb-21 | 0.7 | <1 | <1 | 0.1 | <2 |
| | | | 12-Mar-21 | 0.51 | <1 | <1 | 0.12 | <2 |
| | | | 23-Mar-21 | 0.77 | <1 | <1 | 0.09 | <2 |
| | | | 6-Apr-21 | 0.8 | <1 | <1 | 0.09 | <2 |
| | | | 20-Apr-21 | 0.75 | <1 | <1 | 0.16 | <2 |
| | | | 4-May-21 | 0.9 | <1 | <1 | 0.1 | <2 |
| | | | 20-May-21 | 0.76 | <1 | <1 | 0.15 | <2 |
| | | | 1-Jun-21 | 0.72 | <1 | <1 | 0.17 | <2 |
| | | | 16-Jun-21 | 0.69 | <1 | <1 | 0.16 | <2 |
| BUR-579K | GRAB | WS of BGH, on Ingleton | 29-Jun-21 | 0.81 | <1 | <1 | 0.16 | <2 |
| | | | 13-Jul-21 | 0.79 | <1 | <1 | 0.23 | <2 |
| | | | 27-Jul-21 | 0.72 | <1 | <1 | 0.12 | 2 |
| | | | 10-Aug-21 | 0.66 | <1 | <1 | 0.14 | 4 |
| | | | 25-Aug-21 | 0.77 | <1 | <1 | 0.2 | 160 |
| | | | 8-Sep-21 | 0.64 | <1 | <1 | 0.15 | <2 |
| | | | 21-Sep-21 | 0.79 | <1 | <1 | 0.18 | <2 |
| | | | 5-Oct-21 | 0.63 | <1 | <1 | 0.24 | <2 |
| | | | 19-Oct-21 | 0.68 | <1 | <1 | 0.17 | <2 |
| | | | 2-Nov-21 | 0.81 | <1 | <1 | 0.12 | <2 |
| | | | 16-Nov-21 | 0.68 | <1 | <1 | 0.15 | <2 |
| | | | 30-Nov-21 | 0.64 | <1 | <1 | 0.18 | <2 |
| | | | 14-Dec-21 | 0.73 | <1 | <1 | 0.13 | 4 |
| | | | 14-Jan-21 | 0.7 | <1 | <1 | 0.76 | 96 |
| | | | 29-Jan-21 | 0.48 | <1 | <1 | 0.14 | 92 |
| | | | 11-Feb-21 | 0.78 | <1 | <1 | 0.16 | 30 |
| | | | 26-Feb-21 | 0.69 | <1 | <1 | 0.13 | 34 |
| | | | 12-Mar-21 | 0.59 | <1 | <1 | 0.15 | 46 |
| | | | 23-Mar-21 | 0.7 | <1 | <1 | 0.1 | 28 |
| | | | 6-Apr-21 | 0.68 | <1 | <1 | 0.1 | 84 |
| | | | 20-Apr-21 | 0.84 | <1 | <1 | 0.14 | 36 |
| | | | 4-May-21 | 0.78 | <1 | <1 | 0.11 | 46 |
| | | | 20-May-21 | 0.67 | <1 | <1 | 0.16 | 160 |
| | | | 1-Jun-21 | 0.59 | <1 | <1 | 0.18 | 70 |
| | | | 16-Jun-21 | 0.87 | <1 | <1 | 0.12 | 40 |
| BUR-580K | GRAB | 4400 Blk Moscrop | 29-Jun-21 | 0.45 | <1 | <1 | 0.22 | 18 |
| | | | 13-Jul-21 | 0.65 | <1 | <1 | 0.15 | 44 |
| | | | 27-Jul-21 | 0.65 | <1 | <1 | 0.11 | 26 |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-----------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-581K | GRAB | 7900 Blk Kaymar | 10-Aug-21 | 0.64 | <1 | <1 | 0.17 | 18 |
| | | | 25-Aug-21 | 0.67 | <1 | <1 | 0.24 | 54 |
| | | | 8-Sep-21 | 0.69 | <1 | <1 | 0.15 | <2 |
| | | | 21-Sep-21 | 0.6 | <1 | <1 | 0.14 | 8 |
| | | | 5-Oct-21 | 0.66 | <1 | <1 | 0.19 | 12 |
| | | | 19-Oct-21 | 0.84 | <1 | <1 | 0.17 | 6 |
| | | | 2-Nov-21 | 0.59 | <1 | <1 | 0.12 | 4 |
| | | | 16-Nov-21 | 0.71 | <1 | <1 | 0.61 | 12 |
| | | | 30-Nov-21 | 0.69 | <1 | <1 | 0.11 | 2 |
| | | | 14-Dec-21 | 0.59 | <1 | <1 | 0.1 | 6 |
| | | | 4-Jan-21 | 0.78 | <1 | <1 | 0.11 | <2 |
| | | | 21-Jan-21 | 0.77 | <1 | <1 | 0.11 | <2 |
| | | | 5-Feb-21 | 0.71 | <1 | <1 | 0.18 | <2 |
| | | | 18-Feb-21 | 0.88 | <1 | <1 | 0.16 | <2 |
| BUR-581K | GRAB | 7900 Blk Kaymar | 4-Mar-21 | 0.8 | <1 | <1 | 0.17 | <2 |
| | | | 17-Mar-21 | 0.91 | <1 | <1 | 0.15 | <2 |
| | | | 31-Mar-21 | 0.76 | <1 | <1 | 0.12 | <2 |
| | | | 14-Apr-21 | 0.92 | <1 | <1 | 0.25 | 6 |
| | | | 27-Apr-21 | 0.73 | <1 | <1 | 0.14 | <2 |
| | | | 11-May-21 | 0.73 | <1 | <1 | 0.22 | <2 |
| | | | 25-May-21 | 0.75 | <1 | <1 | 0.2 | 4 |
| | | | 9-Jun-21 | 0.76 | <1 | <1 | 0.14 | 2 |
| | | | 23-Jun-21 | 0.75 | <1 | <1 | 0.15 | <2 |
| | | | 6-Jul-21 | 0.67 | <1 | <1 | 0.12 | <2 |
| | | | 21-Jul-21 | 0.65 | <1 | <1 | 0.24 | 2 |
| | | | 4-Aug-21 | 0.55 | <1 | 2 | 0.22 | 14 |
| | | | 17-Aug-21 | 0.68 | <1 | <1 | 0.21 | 64 |
| | | | 1-Sep-21 | 0.82 | <1 | <1 | 0.13 | 230 |
| 14-Sep-21 | 0.63 | <1 | <1 | 0.16 | 150 | | | |
| 28-Sep-21 | 0.76 | <1 | <1 | 0.12 | 100 | | | |
| 14-Oct-21 | 0.62 | <1 | <1 | 0.19 | 82 | | | |
| 27-Oct-21 | 0.6 | <1 | <1 | 0.14 | 8 | | | |
| 10-Nov-21 | 0.53 | <1 | <1 | 0.14 | 32 | | | |
| 24-Nov-21 | 0.6 | <1 | <1 | 0.13 | 6 | | | |
| 8-Dec-21 | 0.57 | <1 | <1 | 0.14 | 2 | | | |
| 22-Dec-21 | 0.88 | <1 | <1 | 0.15 | NA | | | |
| 14-Jan-21 | 0.68 | <1 | <1 | 0.11 | <2 | | | |
| 29-Jan-21 | 1.09 | <1 | <1 | 0.42 | <2 | | | |
| 11-Feb-21 | 0.81 | <1 | <1 | 0.11 | <2 | | | |
| 26-Feb-21 | 0.68 | <1 | <1 | 0.1 | <2 | | | |
| 12-Mar-21 | 0.55 | <1 | <1 | 0.1 | <2 | | | |
| 23-Mar-21 | 0.97 | <1 | <1 | 0.11 | 2 | | | |
| 6-Apr-21 | 1.06 | <1 | <1 | 0.27 | <2 | | | |
| 20-Apr-21 | 0.82 | <1 | <1 | 0.11 | <2 | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|---------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-582K | GRAB | 2nd St. School, 16th Ave. | 4-May-21 | 0.72 | <1 | <1 | 0.09 | <2 |
| | | | 20-May-21 | 0.68 | <1 | <1 | 0.26 | <2 |
| | | | 1-Jun-21 | 0.89 | <1 | <1 | 0.52 | 2 |
| | | | 16-Jun-21 | 0.52 | <1 | <1 | 0.17 | <2 |
| | | | 29-Jun-21 | 0.57 | <1 | <1 | 0.23 | <2 |
| | | | 13-Jul-21 | 0.91 | <1 | <1 | 0.23 | <2 |
| | | | 27-Jul-21 | 0.88 | <1 | <1 | 0.25 | 110 |
| | | | 10-Aug-21 | 0.65 | <1 | <1 | 0.31 | 42 |
| | | | 25-Aug-21 | 0.89 | <1 | <1 | 0.24 | 190 |
| | | | 8-Sep-21 | 0.92 | <1 | <1 | 0.32 | 28 |
| | | | 21-Sep-21 | 0.7 | <1 | <1 | 0.19 | 26 |
| | | | 5-Oct-21 | 0.57 | <1 | <1 | 0.15 | 8 |
| | | | 19-Oct-21 | 0.63 | <1 | <1 | 0.28 | 2 |
| | | | 2-Nov-21 | 0.72 | <1 | <1 | 0.15 | 4 |
| | | | 16-Nov-21 | 0.7 | <1 | <1 | 0.11 | <2 |
| | | | 30-Nov-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| BUR-583K | GRAB | New Vista Place | 14-Dec-21 | 0.78 | <1 | <1 | 0.11 | <2 |
| | | | 14-Jan-21 | 0.83 | <1 | <1 | 0.13 | <2 |
| | | | 29-Jan-21 | 0.79 | <1 | <1 | 0.17 | <2 |
| | | | 11-Feb-21 | 0.8 | <1 | <1 | 0.13 | <2 |
| | | | 26-Feb-21 | 0.37 | <1 | <1 | 0.13 | <2 |
| | | | 12-Mar-21 | 0.72 | <1 | <1 | 0.09 | <2 |
| | | | 23-Mar-21 | 0.7 | <1 | <1 | 0.09 | <2 |
| | | | 6-Apr-21 | 0.89 | <1 | <1 | 0.29 | <2 |
| | | | 20-Apr-21 | 0.82 | <1 | <1 | 0.1 | <2 |
| | | | 4-May-21 | 0.74 | <1 | <1 | 0.1 | <2 |
| | | | 20-May-21 | 1.05 | <1 | <1 | 0.27 | <2 |
| | | | 1-Jun-21 | 0.74 | <1 | <1 | 0.43 | <2 |
| | | | 16-Jun-21 | 0.57 | <1 | <1 | 0.17 | <2 |
| | | | 29-Jun-21 | 0.76 | <1 | <1 | 0.11 | <2 |
| | | | 13-Jul-21 | 0.63 | <1 | <1 | 0.24 | <2 |
| | | | BUR-583K | GRAB | New Vista Place | 27-Jul-21 | 0.84 | <1 |
| 10-Aug-21 | 0.7 | <1 | | | | <1 | 0.19 | 4 |
| 25-Aug-21 | 0.95 | <1 | | | | <1 | 0.28 | 10 |
| 8-Sep-21 | 1.1 | <1 | | | | <1 | 0.35 | <2 |
| 21-Sep-21 | 0.72 | <1 | | | | <1 | 0.14 | <2 |
| 5-Oct-21 | 0.67 | <1 | | | | <1 | 0.19 | 2 |
| 19-Oct-21 | 0.67 | <1 | | | | <1 | 0.13 | <2 |
| 2-Nov-21 | 0.82 | <1 | | | | <1 | 0.17 | <2 |
| 16-Nov-21 | 0.73 | <1 | | | | <1 | 0.11 | 2 |
| 30-Nov-21 | 0.85 | <1 | | | | <1 | 0.14 | <2 |
| 14-Dec-21 | 0.49 | <1 | | | | <1 | 0.12 | 4 |
| 14-Jan-21 | 0.7 | <1 | | | | <1 | 0.11 | <2 |
| 29-Jan-21 | 1.04 | <1 | | | | <1 | 0.4 | <2 |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-584K | GRAB | 7200 Blk Edmonds St. | 11-Feb-21 | 0.8 | <1 | <1 | 0.12 | <2 |
| | | | 26-Feb-21 | 0.73 | <1 | <1 | 0.18 | <2 |
| | | | 12-Mar-21 | 0.54 | <1 | <1 | 0.1 | <2 |
| | | | 23-Mar-21 | 0.6 | <1 | <1 | 0.09 | <2 |
| | | | 6-Apr-21 | 0.78 | <1 | <1 | 0.29 | <2 |
| | | | 20-Apr-21 | 0.68 | <1 | <1 | 0.12 | <2 |
| | | | 4-May-21 | 0.75 | <1 | <1 | 0.11 | <2 |
| | | | 20-May-21 | 0.99 | <1 | <1 | 0.34 | <2 |
| | | | 1-Jun-21 | 0.73 | <1 | <1 | 0.4 | 120 |
| | | | 16-Jun-21 | 0.62 | <1 | <1 | 0.11 | <2 |
| | | | 29-Jun-21 | 0.6 | <1 | <1 | 0.21 | <2 |
| | | | 13-Jul-21 | 0.42 | <1 | <1 | 0.28 | <2 |
| | | | 27-Jul-21 | 0.88 | <1 | <1 | 0.3 | 34 |
| | | | 10-Aug-21 | 0.51 | <1 | <1 | 0.21 | 6 |
| | | | 25-Aug-21 | 0.79 | <1 | <1 | 0.26 | 18 |
| | | | 8-Sep-21 | 0.7 | <1 | <1 | 0.32 | <2 |
| | | | 21-Sep-21 | 0.63 | <1 | <1 | 0.15 | <2 |
| | | | 5-Oct-21 | 0.58 | <1 | <1 | 0.18 | <2 |
| | | | 19-Oct-21 | 0.62 | <1 | <1 | 0.11 | <2 |
| | | | 2-Nov-21 | 0.63 | <1 | <1 | 0.11 | <2 |
| 16-Nov-21 | 0.92 | <1 | <1 | 0.19 | 2 | | | |
| 30-Nov-21 | 0.76 | <1 | <1 | 0.15 | <2 | | | |
| 14-Dec-21 | 0.63 | <1 | <1 | 0.12 | <2 | | | |
| 14-Jan-21 | 0.68 | <1 | <1 | 0.82 | <2 | | | |
| 29-Jan-21 | 1.04 | <1 | <1 | 0.39 | 10 | | | |
| 11-Feb-21 | 0.8 | <1 | <1 | 0.13 | <2 | | | |
| 26-Feb-21 | 0.65 | <1 | <1 | 0.09 | <2 | | | |
| 12-Mar-21 | 0.67 | <1 | <1 | 0.12 | <2 | | | |
| 23-Mar-21 | 0.39 | <1 | <1 | 0.09 | <2 | | | |
| 6-Apr-21 | 0.77 | <1 | <1 | 0.29 | <2 | | | |
| 20-Apr-21 | 0.65 | <1 | <1 | 0.2 | <2 | | | |
| 4-May-21 | 0.75 | <1 | <1 | 0.1 | <2 | | | |
| 20-May-21 | 0.68 | <1 | <1 | 0.3 | <2 | | | |
| 1-Jun-21 | 0.64 | <1 | <1 | 0.34 | <2 | | | |
| 16-Jun-21 | 0.75 | <1 | <1 | 0.11 | <2 | | | |
| 29-Jun-21 | 0.68 | <1 | <1 | 0.12 | 6 | | | |
| 13-Jul-21 | 0.7 | <1 | <1 | 0.23 | 2 | | | |
| 27-Jul-21 | 0.87 | <1 | <1 | 0.25 | 8 | | | |
| 10-Aug-21 | 0.5 | <1 | <1 | 0.37 | 6 | | | |
| 25-Aug-21 | 0.69 | <1 | <1 | 0.37 | 8 | | | |
| 8-Sep-21 | 0.69 | <1 | <1 | 0.41 | 12 | | | |
| 21-Sep-21 | 0.87 | <1 | <1 | 0.14 | <2 | | | |
| 5-Oct-21 | 0.58 | <1 | <1 | 0.17 | 14 | | | |
| 19-Oct-21 | 0.69 | <1 | <1 | 0.18 | 10 | | | |
| BUR-585K | GRAB | 5400 Blk Rumble St. | 11-Feb-21 | 0.8 | <1 | <1 | 0.12 | <2 |
| | | | 26-Feb-21 | 0.73 | <1 | <1 | 0.18 | <2 |
| | | | 12-Mar-21 | 0.54 | <1 | <1 | 0.1 | <2 |
| | | | 23-Mar-21 | 0.6 | <1 | <1 | 0.09 | <2 |
| | | | 6-Apr-21 | 0.78 | <1 | <1 | 0.29 | <2 |
| | | | 20-Apr-21 | 0.68 | <1 | <1 | 0.12 | <2 |
| | | | 4-May-21 | 0.75 | <1 | <1 | 0.11 | <2 |
| | | | 20-May-21 | 0.68 | <1 | <1 | 0.3 | <2 |
| | | | 1-Jun-21 | 0.64 | <1 | <1 | 0.34 | <2 |
| | | | 16-Jun-21 | 0.75 | <1 | <1 | 0.11 | <2 |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|---|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-586K | GRAB | 3800 Blk Rumble St. (Greenall & Rumble) | 2-Nov-21 | 0.76 | <1 | <1 | 0.15 | <2 |
| | | | 16-Nov-21 | 0.72 | <1 | <1 | 0.12 | 2 |
| | | | 30-Nov-21 | 0.92 | <1 | <1 | 0.15 | 4 |
| | | | 14-Dec-21 | 0.85 | <1 | <1 | 0.13 | 6 |
| | | | 14-Jan-21 | 0.47 | <1 | <1 | 0.12 | <2 |
| | | | 29-Jan-21 | 0.49 | <1 | <1 | 0.13 | <2 |
| | | | 11-Feb-21 | 0.54 | <1 | <1 | 0.15 | 2 |
| | | | 26-Feb-21 | 0.55 | <1 | <1 | 0.22 | <2 |
| | | | 12-Mar-21 | 0.67 | <1 | <1 | 0.13 | <2 |
| | | | 23-Mar-21 | 0.67 | <1 | <1 | 0.1 | <2 |
| | | | 6-Apr-21 | 0.39 | <1 | <1 | 0.16 | <2 |
| | | | 20-Apr-21 | 0.34 | <1 | <1 | 0.11 | <2 |
| | | | 4-May-21 | 0.59 | <1 | <1 | 0.12 | <2 |
| | | | 20-May-21 | 0.42 | <1 | <1 | 0.16 | <2 |
| | | | 1-Jun-21 | 0.55 | <1 | <1 | 0.27 | 2 |
| | | | 16-Jun-21 | 0.41 | <1 | <1 | 0.09 | <2 |
| | | | 29-Jun-21 | 0.51 | <1 | <1 | 0.12 | <2 |
| | | | 13-Jul-21 | 0.29 | <1 | <1 | 0.16 | 440 |
| | | | 27-Jul-21 | 0.25 | <1 | <1 | 0.17 | 200 |
| | | | 10-Aug-21 | 0.3 | <1 | <1 | 0.16 | 10 |
| 25-Aug-21 | 0.59 | <1 | <1 | 0.22 | 40 | | | |
| 8-Sep-21 | 0.4 | <1 | <1 | 0.14 | 90 | | | |
| 21-Sep-21 | 0.4 | <1 | <1 | 0.11 | 440 | | | |
| 5-Oct-21 | 0.22 | <1 | <1 | 0.13 | 460 | | | |
| 19-Oct-21 | 0.26 | <1 | <1 | 0.19 | 330 | | | |
| 2-Nov-21 | 0.6 | <1 | <1 | 0.13 | 130 | | | |
| 16-Nov-21 | 0.47 | <1 | <1 | 0.1 | 20 | | | |
| 30-Nov-21 | 0.38 | <1 | <1 | 0.13 | 12 | | | |
| 14-Dec-21 | 0.63 | <1 | <1 | 0.13 | 6 | | | |
| 14-Jan-21 | 0.77 | <1 | <1 | 0.2 | <2 | | | |
| 29-Jan-21 | 0.61 | <1 | <1 | 0.16 | <2 | | | |
| 11-Feb-21 | 0.75 | <1 | <1 | 0.22 | 2 | | | |
| 26-Feb-21 | 0.66 | <1 | <1 | 0.17 | <2 | | | |
| 12-Mar-21 | 0.61 | <1 | <1 | 0.16 | <2 | | | |
| 23-Mar-21 | 0.6 | <1 | <1 | 0.11 | <2 | | | |
| 6-Apr-21 | 0.47 | <1 | <1 | 0.17 | <2 | | | |
| 20-Apr-21 | 0.78 | <1 | <1 | 0.19 | <2 | | | |
| 4-May-21 | 0.76 | <1 | <1 | 0.11 | <2 | | | |
| 20-May-21 | 0.57 | <1 | <1 | 0.24 | 2 | | | |
| 1-Jun-21 | 0.61 | <1 | <1 | 0.19 | 2 | | | |
| 16-Jun-21 | 0.72 | <1 | <1 | 0.13 | <2 | | | |
| 29-Jun-21 | 0.65 | <1 | <1 | 0.18 | <2 | | | |
| 13-Jul-21 | 0.7 | <1 | <1 | 0.17 | <2 | | | |
| 27-Jul-21 | 0.61 | <1 | <1 | 0.14 | <2 | | | |
| BUR-587K | GRAB | 4400 Blk Kingsway | 2-Nov-21 | 0.76 | <1 | <1 | 0.15 | <2 |
| | | | 16-Nov-21 | 0.72 | <1 | <1 | 0.12 | 2 |
| | | | 30-Nov-21 | 0.92 | <1 | <1 | 0.15 | 4 |
| | | | 14-Dec-21 | 0.85 | <1 | <1 | 0.13 | 6 |
| | | | 14-Jan-21 | 0.47 | <1 | <1 | 0.12 | <2 |
| | | | 29-Jan-21 | 0.49 | <1 | <1 | 0.13 | <2 |
| | | | 11-Feb-21 | 0.54 | <1 | <1 | 0.15 | 2 |
| | | | 26-Feb-21 | 0.55 | <1 | <1 | 0.22 | <2 |
| | | | 12-Mar-21 | 0.67 | <1 | <1 | 0.13 | <2 |
| | | | 23-Mar-21 | 0.67 | <1 | <1 | 0.1 | <2 |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|--------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-587K | GRAB | 4499 Blk Kingsway | 10-Aug-21 | 0.58 | <1 | <1 | 0.14 | 2 |
| | | | 25-Aug-21 | 0.65 | <1 | <1 | 0.19 | <2 |
| | | | 8-Sep-21 | 0.52 | <1 | <1 | 0.14 | <2 |
| | | | 21-Sep-21 | 0.76 | <1 | <1 | 0.29 | <2 |
| | | | 5-Oct-21 | 0.62 | <1 | <1 | 0.24 | 2 |
| | | | 19-Oct-21 | 0.58 | <1 | <1 | 0.16 | <2 |
| | | | 2-Nov-21 | 0.66 | <1 | <1 | 0.12 | <2 |
| | | | 16-Nov-21 | 0.65 | <1 | <1 | 0.15 | <2 |
| | | | 30-Nov-21 | 0.69 | <1 | <1 | 0.15 | <2 |
| | | | 14-Dec-21 | 0.8 | <1 | <1 | 0.49 | <2 |
| | | | 14-Jan-21 | 0.77 | <1 | <1 | 0.15 | <2 |
| | | | 29-Jan-21 | 0.89 | <1 | <1 | 0.35 | <2 |
| BUR-588K | GRAB | 7500 Blk Cumberland St. | 11-Feb-21 | 0.85 | <1 | <1 | 0.24 | <2 |
| | | | 26-Feb-21 | 0.59 | <1 | <1 | 0.15 | <2 |
| | | | 12-Mar-21 | 0.66 | <1 | <1 | 0.1 | <2 |
| | | | 23-Mar-21 | 0.74 | <1 | <1 | 0.1 | <2 |
| | | | 6-Apr-21 | 0.82 | <1 | <1 | 0.32 | <2 |
| | | | 20-Apr-21 | 0.73 | <1 | <1 | 0.09 | <2 |
| | | | 4-May-21 | 0.67 | <1 | <1 | 0.11 | <2 |
| | | | 20-May-21 | 0.82 | <1 | <1 | 0.28 | 4 |
| | | | 1-Jun-21 | 0.62 | <1 | <1 | 0.35 | <2 |
| | | | 16-Jun-21 | 0.65 | <1 | <1 | 0.13 | <2 |
| | | | 29-Jun-21 | 0.91 | <1 | <1 | 0.17 | <2 |
| | | | 13-Jul-21 | 0.43 | <1 | <1 | 0.32 | <2 |
| BUR-589K | GRAB | 6500 Blk Marlborough St. | 27-Jul-21 | 0.72 | <1 | <1 | 0.31 | 36 |
| | | | 10-Aug-21 | 0.45 | <1 | <1 | 0.22 | 16 |
| | | | 25-Aug-21 | 0.91 | <1 | <1 | 0.29 | 72 |
| | | | 8-Sep-21 | 0.7 | <1 | <1 | 0.31 | 20 |
| | | | 21-Sep-21 | 0.59 | <1 | <1 | 0.15 | 52 |
| | | | 5-Oct-21 | 0.42 | <1 | <1 | 0.17 | 2 |
| | | | 19-Oct-21 | 0.47 | <1 | <1 | 0.11 | <2 |
| | | | 2-Nov-21 | 0.65 | <1 | <1 | 0.16 | <2 |
| | | | 16-Nov-21 | 0.7 | <1 | <1 | 0.1 | 2 |
| | | | 30-Nov-21 | 0.72 | <1 | <1 | 0.17 | <2 |
| | | | 14-Dec-21 | 0.65 | <1 | <1 | 0.11 | <2 |
| | | | 14-Jan-21 | 0.37 | <1 | <1 | 0.44 | <2 |
| BUR-589K | GRAB | 6500 Blk Marlborough St. | 29-Jan-21 | 0.64 | <1 | <1 | 0.32 | <2 |
| | | | 11-Feb-21 | 0.55 | <1 | <1 | 0.2 | <2 |
| | | | 26-Feb-21 | 0.5 | <1 | <1 | 0.26 | <2 |
| | | | 12-Mar-21 | 0.59 | <1 | <1 | 0.12 | <2 |
| | | | 23-Mar-21 | 0.69 | <1 | <1 | 0.12 | <2 |
| | | | 6-Apr-21 | 0.45 | <1 | <1 | 0.37 | <2 |
| | | | 20-Apr-21 | 0.5 | <1 | <1 | 0.24 | <2 |
| | | | 4-May-21 | 0.79 | <1 | <1 | 0.17 | 4 |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|--------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-589K | GRAB | 6500 Blk Marlborough St. | 20-May-21 | 0.61 | <1 | <1 | 0.28 | 2 |
| | | | 1-Jun-21 | 0.59 | <1 | <1 | 0.69 | <2 |
| | | | 16-Jun-21 | 0.93 | <1 | <1 | 0.3 | <2 |
| | | | 29-Jun-21 | 0.5 | <1 | <1 | 0.12 | 4 |
| | | | 13-Jul-21 | 0.66 | <1 | <1 | 0.31 | 2 |
| | | | 27-Jul-21 | 0.54 | <1 | <1 | 0.25 | 12 |
| | | | 10-Aug-21 | 0.33 | <1 | <1 | 0.22 | 14 |
| | | | 25-Aug-21 | 0.61 | <1 | <1 | 0.5 | 48 |
| | | | 8-Sep-21 | 0.34 | <1 | <1 | 0.33 | 6 |
| | | | 21-Sep-21 | 0.8 | <1 | <1 | 0.28 | <2 |
| | | | 5-Oct-21 | 0.47 | <1 | <1 | 0.18 | 46 |
| | | | 19-Oct-21 | 0.47 | <1 | <1 | 0.17 | 12 |
| | | | 2-Nov-21 | 0.62 | <1 | <1 | 0.15 | 4 |
| | | | 16-Nov-21 | 0.48 | <1 | <1 | 0.12 | 6 |
| | | | 30-Nov-21 | 0.66 | <1 | <1 | 0.19 | 2 |
| | | | 14-Dec-21 | 0.41 | <1 | <1 | 0.2 | 2 |
| | | | 14-Jan-21 | 0.6 | <1 | <1 | 0.13 | <2 |
| | | | 29-Jan-21 | 1.09 | <1 | <1 | 0.45 | 2 |
| | | | 11-Feb-21 | 0.7 | <1 | <1 | 0.11 | <2 |
| 26-Feb-21 | 0.59 | <1 | <1 | 0.3 | <2 | | | |
| 12-Mar-21 | 0.69 | <1 | <1 | 0.11 | <2 | | | |
| 23-Mar-21 | 0.77 | <1 | <1 | 0.1 | <2 | | | |
| 6-Apr-21 | 0.93 | <1 | <1 | 0.39 | <2 | | | |
| 20-Apr-21 | 0.74 | <1 | <1 | 0.1 | <2 | | | |
| 4-May-21 | 0.71 | <1 | <1 | 0.1 | 2 | | | |
| 20-May-21 | 0.65 | <1 | <1 | 0.26 | <2 | | | |
| 1-Jun-21 | 0.58 | <1 | <1 | 0.32 | 14 | | | |
| 16-Jun-21 | 0.72 | <1 | <1 | 0.12 | <2 | | | |
| 29-Jun-21 | 0.68 | <1 | <1 | 0.12 | 4 | | | |
| 13-Jul-21 | 0.56 | <1 | <1 | 0.43 | 140 | | | |
| 27-Jul-21 | 0.7 | <1 | <1 | 0.24 | 8 | | | |
| 10-Aug-21 | 0.37 | <1 | <1 | 0.18 | 40 | | | |
| 25-Aug-21 | 0.67 | <1 | <1 | 0.34 | 300 | | | |
| 8-Sep-21 | 0.48 | <1 | <1 | 0.27 | 64 | | | |
| 21-Sep-21 | 0.58 | <1 | <1 | 0.17 | 130 | | | |
| 5-Oct-21 | 0.27 | <1 | <1 | 0.16 | 840 | | | |
| 19-Oct-21 | 0.56 | <1 | <1 | 0.14 | 54 | | | |
| 2-Nov-21 | 0.57 | <1 | <1 | 0.24 | 60 | | | |
| 16-Nov-21 | 0.75 | <1 | <1 | 0.13 | 44 | | | |
| 30-Nov-21 | 0.77 | <1 | <1 | 0.12 | 72 | | | |
| 14-Dec-21 | 0.67 | <1 | <1 | 0.12 | 40 | | | |
| 15-Jan-21 | 0.57 | <1 | <1 | 0.17 | <2 | | | |
| 28-Jan-21 | 0.5 | <1 | <1 | 0.26 | <2 | | | |
| 9-Feb-21 | 0.87 | <1 | <1 | 0.09 | <2 | | | |
| BUR-590K | GRAB | 6100 Blk Imperial St. | 20-May-21 | 0.61 | <1 | <1 | 0.28 | 2 |
| | | | 1-Jun-21 | 0.59 | <1 | <1 | 0.69 | <2 |
| | | | 16-Jun-21 | 0.93 | <1 | <1 | 0.3 | <2 |
| | | | 29-Jun-21 | 0.5 | <1 | <1 | 0.12 | 4 |
| | | | 13-Jul-21 | 0.66 | <1 | <1 | 0.31 | 2 |
| | | | 27-Jul-21 | 0.54 | <1 | <1 | 0.25 | 12 |
| | | | 10-Aug-21 | 0.33 | <1 | <1 | 0.22 | 14 |
| | | | 25-Aug-21 | 0.61 | <1 | <1 | 0.5 | 48 |
| | | | 8-Sep-21 | 0.34 | <1 | <1 | 0.33 | 6 |
| | | | 21-Sep-21 | 0.8 | <1 | <1 | 0.28 | <2 |
| | | | 5-Oct-21 | 0.47 | <1 | <1 | 0.18 | 46 |
| | | | 19-Oct-21 | 0.47 | <1 | <1 | 0.17 | 12 |
| | | | 2-Nov-21 | 0.62 | <1 | <1 | 0.15 | 4 |
| | | | 16-Nov-21 | 0.48 | <1 | <1 | 0.12 | 6 |
| | | | 30-Nov-21 | 0.66 | <1 | <1 | 0.19 | 2 |
| | | | 14-Dec-21 | 0.41 | <1 | <1 | 0.2 | 2 |
| | | | 14-Jan-21 | 0.6 | <1 | <1 | 0.13 | <2 |
| | | | 29-Jan-21 | 1.09 | <1 | <1 | 0.45 | 2 |
| | | | 11-Feb-21 | 0.7 | <1 | <1 | 0.11 | <2 |
| 26-Feb-21 | 0.59 | <1 | <1 | 0.3 | <2 | | | |
| 12-Mar-21 | 0.69 | <1 | <1 | 0.11 | <2 | | | |
| 23-Mar-21 | 0.77 | <1 | <1 | 0.1 | <2 | | | |
| 6-Apr-21 | 0.93 | <1 | <1 | 0.39 | <2 | | | |
| 20-Apr-21 | 0.74 | <1 | <1 | 0.1 | <2 | | | |
| 4-May-21 | 0.71 | <1 | <1 | 0.1 | 2 | | | |
| 20-May-21 | 0.65 | <1 | <1 | 0.26 | <2 | | | |
| 1-Jun-21 | 0.58 | <1 | <1 | 0.32 | 14 | | | |
| 16-Jun-21 | 0.72 | <1 | <1 | 0.12 | <2 | | | |
| 29-Jun-21 | 0.68 | <1 | <1 | 0.12 | 4 | | | |
| 13-Jul-21 | 0.56 | <1 | <1 | 0.43 | 140 | | | |
| 27-Jul-21 | 0.7 | <1 | <1 | 0.24 | 8 | | | |
| 10-Aug-21 | 0.37 | <1 | <1 | 0.18 | 40 | | | |
| 25-Aug-21 | 0.67 | <1 | <1 | 0.34 | 300 | | | |
| 8-Sep-21 | 0.48 | <1 | <1 | 0.27 | 64 | | | |
| 21-Sep-21 | 0.58 | <1 | <1 | 0.17 | 130 | | | |
| 5-Oct-21 | 0.27 | <1 | <1 | 0.16 | 840 | | | |
| 19-Oct-21 | 0.56 | <1 | <1 | 0.14 | 54 | | | |
| 2-Nov-21 | 0.57 | <1 | <1 | 0.24 | 60 | | | |
| 16-Nov-21 | 0.75 | <1 | <1 | 0.13 | 44 | | | |
| 30-Nov-21 | 0.77 | <1 | <1 | 0.12 | 72 | | | |
| 14-Dec-21 | 0.67 | <1 | <1 | 0.12 | 40 | | | |
| 15-Jan-21 | 0.57 | <1 | <1 | 0.17 | <2 | | | |
| 28-Jan-21 | 0.5 | <1 | <1 | 0.26 | <2 | | | |
| 9-Feb-21 | 0.87 | <1 | <1 | 0.09 | <2 | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-592K | GRAB | 9800 Lynhurst St. | 25-Feb-21 | 0.69 | <1 | <1 | 0.11 | <2 |
| | | | 11-Mar-21 | 0.68 | <1 | <1 | 0.1 | <2 |
| | | | 26-Mar-21 | 0.7 | <1 | <1 | 0.11 | <2 |
| | | | 8-Apr-21 | 0.75 | <1 | <1 | 0.12 | <2 |
| | | | 22-Apr-21 | 0.66 | <1 | <1 | 0.2 | 8 |
| | | | 6-May-21 | 0.69 | <1 | <1 | 0.22 | 6 |
| | | | 19-May-21 | 0.58 | <1 | <1 | 0.14 | <2 |
| | | | 4-Jun-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| | | | 17-Jun-21 | 0.72 | <1 | <1 | 0.44 | <2 |
| | | | 30-Jun-21 | 0.62 | <1 | <1 | 0.22 | 6 |
| | | | 14-Jul-21 | 0.58 | <1 | <1 | 0.17 | 2 |
| | | | 28-Jul-21 | 0.47 | <1 | <1 | 0.23 | 10 |
| | | | 11-Aug-21 | 0.39 | <1 | <1 | 0.52 | <2 |
| | | | 24-Aug-21 | 0.68 | <1 | <1 | 0.4 | <2 |
| | | | 7-Sep-21 | 0.57 | <1 | <1 | 0.28 | <2 |
| | | | 22-Sep-21 | 0.65 | <1 | <1 | 0.18 | <2 |
| 6-Oct-21 | 0.45 | <1 | <1 | 0.14 | <2 | | | |
| 20-Oct-21 | 0.83 | <1 | <1 | 0.14 | <2 | | | |
| 3-Nov-21 | 0.72 | <1 | <1 | 0.17 | <2 | | | |
| 17-Nov-21 | 0.69 | <1 | <1 | 0.13 | <2 | | | |
| 1-Dec-21 | 0.69 | <1 | <1 | 0.11 | 8 | | | |
| 15-Dec-21 | 0.69 | <1 | <1 | 0.12 | <2 | | | |
| 15-Jan-21 | 0.63 | <1 | <1 | 0.16 | <2 | | | |
| 28-Jan-21 | 0.56 | <1 | <1 | 0.21 | <2 | | | |
| 9-Feb-21 | 0.65 | <1 | <1 | 0.09 | <2 | | | |
| 25-Feb-21 | 0.69 | <1 | <1 | 0.12 | <2 | | | |
| 11-Mar-21 | 0.44 | <1 | <1 | 0.1 | <2 | | | |
| 26-Mar-21 | 0.55 | <1 | <1 | 0.11 | 2 | | | |
| 8-Apr-21 | 0.52 | <1 | <1 | 0.16 | <2 | | | |
| 22-Apr-21 | 0.5 | <1 | <1 | 0.14 | <2 | | | |
| 6-May-21 | 0.5 | <1 | <1 | 0.15 | 4 | | | |
| 19-May-21 | 0.42 | <1 | <1 | 0.13 | <2 | | | |
| 4-Jun-21 | 0.46 | <1 | <1 | 0.16 | <2 | | | |
| 17-Jun-21 | 0.53 | <1 | <1 | 0.12 | <2 | | | |
| 30-Jun-21 | 0.4 | <1 | <1 | 0.2 | <2 | | | |
| 14-Jul-21 | 0.47 | <1 | <1 | 0.15 | 2 | | | |
| 28-Jul-21 | 0.56 | <1 | <1 | 0.19 | 6 | | | |
| 11-Aug-21 | 0.28 | <1 | <1 | 0.17 | <2 | | | |
| 24-Aug-21 | 0.28 | <1 | <1 | 0.2 | 2 | | | |
| 7-Sep-21 | 0.59 | <1 | <1 | 0.23 | 6 | | | |
| 22-Sep-21 | 0.42 | <1 | <1 | 0.23 | <2 | | | |
| 6-Oct-21 | 0.5 | <1 | <1 | 0.13 | 10 | | | |
| 20-Oct-21 | 0.42 | <1 | <1 | 0.12 | 6 | | | |
| 3-Nov-21 | 0.63 | <1 | <1 | 0.16 | 14 | | | |
| BUR-593K | GRAB | 3300 Blk Lakecity | | | | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|---------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-594K | GRAB | 9000 Blk Centaurus Circle | 17-Nov-21 | 0.55 | <1 | <1 | 0.13 | <2 | |
| | | | 1-Dec-21 | 0.63 | <1 | <1 | 0.12 | <2 | |
| | | | 15-Dec-21 | 0.69 | <1 | <1 | 0.13 | <2 | |
| | | | 15-Jan-21 | 0.64 | <1 | <1 | 0.14 | <2 | |
| | | | 28-Jan-21 | 0.73 | <1 | <1 | 0.17 | <2 | |
| | | | 9-Feb-21 | 0.77 | <1 | <1 | 0.09 | <2 | |
| | | | 25-Feb-21 | 0.71 | <1 | <1 | 0.11 | <2 | |
| | | | 11-Mar-21 | 0.73 | <1 | <1 | 0.1 | <2 | |
| | | | 31-Mar-21 | 0.74 | <1 | <1 | 0.11 | <2 | |
| | | | 8-Apr-21 | 0.71 | <1 | <1 | 0.11 | <2 | |
| | | | 22-Apr-21 | 0.72 | <1 | <1 | 0.14 | <2 | |
| | | | 6-May-21 | 0.7 | <1 | <1 | 0.23 | <2 | |
| | | | 19-May-21 | 0.63 | <1 | <1 | 0.17 | <2 | |
| | | | 4-Jun-21 | 0.58 | <1 | <1 | 0.15 | <2 | |
| | | | 17-Jun-21 | 0.88 | <1 | <1 | 0.18 | <2 | |
| | | | 30-Jun-21 | 0.82 | <1 | <1 | 0.16 | 4 | |
| | | | 14-Jul-21 | 0.41 | <1 | <1 | 0.27 | <2 | |
| | | | 28-Jul-21 | 0.64 | <1 | <1 | 0.2 | 18 | |
| | | | 11-Aug-21 | 0.57 | <1 | <1 | 0.68 | <2 | |
| | | | 24-Aug-21 | 0.65 | <1 | <1 | 0.29 | 38 | |
| 7-Sep-21 | 0.74 | <1 | <1 | 0.26 | 48 | | | | |
| 22-Sep-21 | 0.68 | <1 | <1 | 0.19 | 16 | | | | |
| 6-Oct-21 | 0.55 | <1 | <1 | 0.18 | 22 | | | | |
| 20-Oct-21 | 0.87 | <1 | <1 | 0.2 | 8 | | | | |
| 3-Nov-21 | 0.72 | <1 | <1 | 0.17 | 8 | | | | |
| 17-Nov-21 | 0.73 | <1 | <1 | 0.13 | 8 | | | | |
| 1-Dec-21 | 0.72 | <1 | <1 | 0.16 | 4 | | | | |
| 15-Dec-21 | 0.72 | <1 | <1 | 0.12 | 2 | | | | |
| 15-Jan-21 | 0.64 | <1 | <1 | 0.15 | 4 | | | | |
| 28-Jan-21 | 0.69 | <1 | <1 | 0.22 | <2 | | | | |
| 9-Feb-21 | 0.71 | <1 | <1 | 0.09 | <2 | | | | |
| 25-Feb-21 | 0.73 | <1 | <1 | 0.13 | <2 | | | | |
| 11-Mar-21 | 0.61 | <1 | <1 | 0.08 | <2 | | | | |
| 26-Mar-21 | 0.7 | <1 | <1 | 0.1 | <2 | | | | |
| 8-Apr-21 | 0.66 | <1 | <1 | 0.11 | <2 | | | | |
| 22-Apr-21 | 0.63 | <1 | <1 | 0.16 | <2 | | | | |
| 6-May-21 | 0.65 | <1 | <1 | 0.14 | <2 | | | | |
| 19-May-21 | 0.5 | <1 | <1 | 0.14 | 2 | | | | |
| 4-Jun-21 | 0.59 | <1 | <1 | 0.13 | <2 | | | | |
| 17-Jun-21 | 0.62 | <1 | <1 | 0.17 | <2 | | | | |
| 30-Jun-21 | 0.88 | <1 | <1 | 0.2 | 2 | | | | |
| 14-Jul-21 | 0.53 | <1 | <1 | 0.18 | <2 | | | | |
| 28-Jul-21 | 0.67 | <1 | <1 | 0.21 | 4 | | | | |
| 11-Aug-21 | 0.47 | <1 | <1 | 0.65 | <2 | | | | |
| BUR-594K | GRAB | 9000 Blk Centaurus Circle | | | | | | | |
| BUR-594K | GRAB | 9000 Blk Centaurus Circle | | | | | | | |
| BUR-595K | GRAB | Rochester St. | | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| | | | 24-Aug-21 | 0.42 | <1 | <1 | 0.24 | 8 |
| | | | 7-Sep-21 | 0.64 | <1 | <1 | 0.56 | 8 |
| | | | 22-Sep-21 | 0.64 | <1 | <1 | 0.13 | 8 |
| | | | 6-Oct-21 | 0.38 | <1 | <1 | 0.16 | <2 |
| | | | 20-Oct-21 | 0.58 | <1 | <1 | 0.16 | 2 |
| | | | 3-Nov-21 | 0.69 | <1 | <1 | 0.17 | 4 |
| | | | 17-Nov-21 | 0.74 | <1 | <1 | 0.12 | 4 |
| | | | 1-Dec-21 | 0.86 | <1 | <1 | 0.22 | 2 |
| | | | 15-Dec-21 | 0.73 | <1 | <1 | 0.14 | <2 |
| | | | 7-Jan-21 | 0.79 | <1 | <1 | 0.14 | 14 |
| | | | 22-Jan-21 | 0.82 | <1 | <1 | 0.11 | <2 |
| | | | 4-Feb-21 | 0.67 | <1 | <1 | 0.16 | 8 |
| | | | 16-Feb-21 | 0.81 | <1 | <1 | 0.1 | 6 |
| | | | 3-Mar-21 | 0.65 | <1 | <1 | 0.11 | <2 |
| | | | 16-Mar-21 | 0.69 | <1 | <1 | 0.12 | 6 |
| | | | 30-Mar-21 | 0.83 | <1 | <1 | 0.13 | 22 |
| | | | 13-Apr-21 | 0.67 | <1 | <1 | 0.22 | 24 |
| | | | 12-May-21 | 0.66 | <1 | <1 | 0.19 | <2 |
| | | | 26-May-21 | 0.74 | <1 | <1 | 0.1 | 42 |
| | | | 10-Jun-21 | 0.74 | <1 | <1 | 0.1 | 4 |
| | | | 22-Jun-21 | 0.77 | <1 | <1 | 0.28 | 8 |
| | | | 7-Jul-21 | 0.59 | <1 | <1 | 0.23 | 44 |
| | | | 20-Jul-21 | 0.67 | <1 | <1 | 0.13 | <2 |
| | | | 3-Aug-21 | 0.78 | <1 | <1 | 0.16 | 50 |
| | | | 18-Aug-21 | 0.56 | <1 | <1 | 0.14 | 170 |
| | | | 31-Aug-21 | 0.5 | <1 | <1 | 0.13 | 8 |
| | | | 15-Sep-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| | | | 29-Sep-21 | 0.65 | <1 | <1 | 0.11 | 12 |
| | | | 13-Oct-21 | 0.62 | <1 | <1 | 0.15 | 4 |
| | | | 26-Oct-21 | 0.79 | <1 | <1 | 0.18 | 4 |
| | | | 9-Nov-21 | 0.66 | <1 | <1 | 0.11 | 2 |
| | | | 23-Nov-21 | 0.4 | <1 | <1 | 0.12 | <2 |
| | | | 7-Dec-21 | 0.9 | <1 | <1 | 0.12 | 4 |
| | | | 21-Dec-21 | 0.7 | <1 | <1 | 0.15 | NA |
| | | | 7-Jan-21 | 0.7 | <1 | <1 | 1.4 | <2 |
| | | | 22-Jan-21 | 0.67 | <1 | <1 | 0.13 | <2 |
| | | | 4-Feb-21 | 0.69 | <1 | <1 | 0.18 | <2 |
| | | | 16-Feb-21 | 0.75 | <1 | <1 | 0.35 | <2 |
| | | | 3-Mar-21 | 0.58 | <1 | <1 | 0.13 | <2 |
| | | | 16-Mar-21 | 0.69 | <1 | <1 | 0.24 | <2 |
| | | | 30-Mar-21 | 0.73 | <1 | <1 | 0.1 | <2 |
| | | | 13-Apr-21 | 0.54 | <1 | <1 | 0.31 | <2 |
| | | | 30-Apr-21 | 0.5 | <1 | <1 | 0.66 | <2 |
| | | | 12-May-21 | 0.51 | <1 | <1 | 0.38 | <2 |
| BUR-596K | GRAB | 561 Duthie | | | | | | |
| BUR-596K | GRAB | 561 Duthie | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|---|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-597K | GRAB | 25 m. N. of Univ. High St. & Univ. Cresc. | 26-May-21 | 0.53 | <1 | <1 | 0.31 | <2 |
| | | | 10-Jun-21 | 0.56 | <1 | <1 | 0.15 | <2 |
| | | | 22-Jun-21 | 0.49 | <1 | <1 | 1.2 | 6 |
| | | | 7-Jul-21 | 0.55 | <1 | <1 | 0.35 | 70 |
| | | | 20-Jul-21 | 0.52 | <1 | <1 | 0.22 | 2 |
| | | | 3-Aug-21 | 0.52 | <1 | <1 | 0.72 | 44 |
| | | | 18-Aug-21 | 0.48 | <1 | <1 | 0.34 | 16 |
| | | | 31-Aug-21 | 0.42 | <1 | <1 | 0.46 | 72 |
| | | | 15-Sep-21 | 0.63 | <1 | <1 | 0.78 | 10 |
| | | | 29-Sep-21 | 0.36 | <1 | <1 | 0.44 | 24 |
| | | | 13-Oct-21 | 0.34 | <1 | <1 | 0.55 | 16 |
| | | | 26-Oct-21 | 0.44 | <1 | <1 | 0.25 | 8 |
| | | | 9-Nov-21 | 0.66 | <1 | <1 | 0.29 | 12 |
| | | | 23-Nov-21 | 0.55 | <1 | <1 | 0.39 | 2 |
| | | | 7-Dec-21 | 0.68 | <1 | <1 | 0.82 | 10 |
| | | | 15-Jan-21 | 0.65 | <1 | <1 | 0.15 | 4 |
| | | | 28-Jan-21 | 0.52 | <1 | <1 | 0.19 | 16 |
| | | | 9-Feb-21 | 0.45 | <1 | <1 | 0.13 | 4 |
| | | | 25-Feb-21 | 0.7 | <1 | <1 | 0.12 | <2 |
| | | | 11-Mar-21 | 0.46 | <1 | <1 | 0.13 | <2 |
| 26-Mar-21 | 0.5 | <1 | <1 | 0.15 | <2 | | | |
| 8-Apr-21 | 0.63 | <1 | <1 | 0.11 | <2 | | | |
| 22-Apr-21 | 0.54 | <1 | <1 | 0.24 | 2 | | | |
| 6-May-21 | 0.48 | <1 | <1 | 0.24 | 4 | | | |
| 19-May-21 | 0.49 | <1 | <1 | 0.12 | <2 | | | |
| 4-Jun-21 | 0.63 | <1 | <1 | 0.14 | <2 | | | |
| 17-Jun-21 | 0.68 | <1 | <1 | 0.11 | <2 | | | |
| 30-Jun-21 | 0.61 | <1 | <1 | 0.17 | <2 | | | |
| 14-Jul-21 | 0.44 | <1 | <1 | 0.15 | <2 | | | |
| 28-Jul-21 | 0.64 | <1 | <1 | 0.22 | 2 | | | |
| 11-Aug-21 | 0.46 | <1 | <1 | 0.15 | 2 | | | |
| 24-Aug-21 | 0.42 | <1 | <1 | 0.27 | 38 | | | |
| 7-Sep-21 | 0.69 | <1 | <1 | 0.16 | 18 | | | |
| 22-Sep-21 | 0.3 | <1 | <1 | 0.15 | <2 | | | |
| 6-Oct-21 | 0.41 | <1 | <1 | 0.14 | 6 | | | |
| 20-Oct-21 | 0.59 | <1 | <1 | 0.19 | 10 | | | |
| 3-Nov-21 | 0.62 | <1 | <1 | 0.12 | 44 | | | |
| 17-Nov-21 | 0.56 | <1 | <1 | 0.16 | 4 | | | |
| 1-Dec-21 | 0.71 | <1 | <1 | 0.11 | 10 | | | |
| 15-Dec-21 | 0.53 | <1 | <1 | 0.11 | <2 | | | |
| 14-Jan-21 | 0.65 | <1 | <1 | 0.12 | <2 | | | |
| 29-Jan-21 | 0.65 | <1 | <1 | 0.19 | <2 | | | |
| 11-Feb-21 | 0.72 | <1 | <1 | 0.11 | <2 | | | |
| 26-Feb-21 | 0.68 | <1 | <1 | 0.15 | <2 | | | |
| BUR-660K | GRAB | North Rd. across from Hume Park | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-661K | GRAB | 5300 Kira Court | 12-Mar-21 | 0.64 | <1 | <1 | 0.1 | <2 |
| | | | 23-Mar-21 | 0.61 | <1 | <1 | 0.09 | <2 |
| | | | 6-Apr-21 | 0.61 | <1 | <1 | 0.09 | <2 |
| | | | 20-Apr-21 | 0.74 | <1 | <1 | 0.12 | <2 |
| | | | 4-May-21 | 0.72 | <1 | <1 | 0.1 | <2 |
| | | | 20-May-21 | 0.61 | <1 | <1 | 0.14 | <2 |
| | | | 1-Jun-21 | 0.55 | <1 | <1 | 0.12 | <2 |
| | | | 16-Jun-21 | 0.94 | <1 | <1 | 0.09 | <2 |
| | | | 29-Jun-21 | 0.69 | <1 | <1 | 0.17 | <2 |
| | | | 13-Jul-21 | 0.67 | <1 | <1 | 0.17 | <2 |
| | | | 27-Jul-21 | 0.71 | <1 | <1 | 0.12 | <2 |
| | | | 10-Aug-21 | 0.56 | <1 | <1 | 0.16 | 4 |
| | | | 25-Aug-21 | 0.65 | <1 | <1 | 0.16 | <2 |
| | | | 8-Sep-21 | 0.71 | <1 | <1 | 0.13 | <2 |
| | | | 21-Sep-21 | 0.59 | <1 | <1 | 0.16 | 2 |
| | | | 5-Oct-21 | 0.52 | <1 | <1 | 0.19 | <2 |
| | | | 19-Oct-21 | 0.57 | <1 | <1 | 0.1 | <2 |
| | | | 2-Nov-21 | 0.67 | <1 | <1 | 0.22 | <2 |
| | | | 16-Nov-21 | 0.6 | <1 | <1 | 0.11 | <2 |
| | | | 30-Nov-21 | 0.7 | <1 | <1 | 0.12 | <2 |
| 14-Dec-21 | 0.74 | <1 | <1 | 0.14 | <2 | | | |
| BUR-668K | GRAB | 1000 Blk Ayshire Dr. | 7-Jan-21 | 0.68 | <1 | <1 | 0.13 | <2 |
| | | | 22-Jan-21 | 0.74 | <1 | <1 | 0.12 | <2 |
| | | | 4-Feb-21 | 0.74 | <1 | <1 | 0.11 | <2 |
| | | | 16-Feb-21 | 0.68 | <1 | <1 | 0.09 | <2 |
| | | | 3-Mar-21 | 0.63 | <1 | <1 | 0.09 | <2 |
| | | | 16-Mar-21 | 0.66 | <1 | <1 | 0.14 | <2 |
| | | | 30-Mar-21 | 0.74 | <1 | <1 | 0.14 | <2 |
| | | | 13-Apr-21 | 0.7 | <1 | <1 | 0.17 | <2 |
| | | | 30-Apr-21 | 0.74 | <1 | <1 | 0.07 | <2 |
| | | | 12-May-21 | 0.62 | <1 | <1 | 0.11 | <2 |
| | | | 26-May-21 | 0.8 | <1 | <1 | 0.12 | <2 |
| | | | 10-Jun-21 | 0.61 | <1 | <1 | 0.13 | 2 |
| | | | 22-Jun-21 | 0.65 | <1 | <1 | 0.33 | <2 |
| | | | 7-Jul-21 | 0.68 | <1 | <1 | 0.17 | 4 |
| | | | 20-Jul-21 | 0.5 | <1 | <1 | 0.12 | <2 |
| | | | 3-Aug-21 | 0.58 | <1 | <1 | 0.16 | 18 |
| | | | 18-Aug-21 | 0.55 | <1 | <1 | 0.14 | 310 |
| | | | 31-Aug-21 | 0.37 | <1 | <1 | 0.15 | <2 |
| | | | 15-Sep-21 | 0.63 | <1 | <1 | 0.14 | 10 |
| | | | 29-Sep-21 | 0.55 | <1 | <1 | 0.16 | 14 |
| 13-Oct-21 | 0.69 | <1 | <1 | 0.12 | <2 | | | |
| 26-Oct-21 | 0.44 | <1 | <1 | 0.13 | 14 | | | |
| 9-Nov-21 | 0.62 | <1 | <1 | 0.13 | 18 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|---------------------------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-669K | GRAB | Monarch & Gatenby (@ of 4405 Gatenby) | 23-Nov-21 | 0.75 | <1 | <1 | 0.12 | 14 | |
| | | | 7-Dec-21 | 0.66 | <1 | <1 | 0.1 | 6 | |
| | | | 21-Dec-21 | 0.91 | <1 | <1 | 0.11 | NA | |
| | | | 15-Jan-21 | 0.49 | <1 | <1 | 0.24 | 2 | |
| | | | 28-Jan-21 | 0.62 | <1 | <1 | 1.2 | <2 | |
| | | | 9-Feb-21 | 0.61 | <1 | <1 | 0.11 | 8 | |
| | | | 25-Feb-21 | 0.69 | <1 | <1 | 0.12 | <2 | |
| | | | 11-Mar-21 | 0.64 | <1 | <1 | 0.1 | <2 | |
| | | | 26-Mar-21 | 0.62 | <1 | <1 | 0.15 | 6 | |
| | | | 8-Apr-21 | 0.62 | <1 | <1 | 0.1 | 14 | |
| | | | 22-Apr-21 | 0.49 | <1 | <1 | 0.13 | 20 | |
| | | | 6-May-21 | 0.54 | <1 | <1 | 0.14 | 10 | |
| | | | 19-May-21 | 0.69 | <1 | <1 | 0.16 | 56 | |
| | | | 4-Jun-21 | 0.66 | <1 | <1 | 0.13 | <2 | |
| | | | 17-Jun-21 | 0.56 | <1 | <1 | 0.14 | 2 | |
| | | | 30-Jun-21 | 0.53 | <1 | <1 | 0.59 | <2 | |
| | | | 14-Jul-21 | 0.51 | <1 | <1 | 0.33 | <2 | |
| | | | 28-Jul-21 | 0.54 | <1 | <1 | 1.4 | 8 | |
| | | | 11-Aug-21 | 0.46 | <1 | <1 | 0.21 | <2 | |
| | | | 24-Aug-21 | 0.27 | <1 | <1 | 0.24 | <2 | |
| | | | 7-Sep-21 | 0.63 | <1 | <1 | 0.3 | 12 | |
| | | | 22-Sep-21 | 0.41 | <1 | <1 | 0.21 | 2 | |
| | | | 6-Oct-21 | 0.44 | <1 | <1 | 0.23 | 4 | |
| 20-Oct-21 | 0.43 | <1 | <1 | 0.11 | 2 | | | | |
| 3-Nov-21 | 0.52 | <1 | <1 | 0.14 | 4 | | | | |
| 17-Nov-21 | 0.57 | <1 | <1 | 0.13 | <2 | | | | |
| 1-Dec-21 | 0.66 | <1 | <1 | 0.14 | 4 | | | | |
| 15-Dec-21 | 0.46 | <1 | <1 | 0.12 | <2 | | | | |
| 4-Jan-21 | 0.69 | <1 | <1 | 0.21 | 20 | | | | |
| 21-Jan-21 | 0.61 | <1 | <1 | 0.11 | <2 | | | | |
| 5-Feb-21 | 0.7 | <1 | <1 | 0.15 | 2 | | | | |
| 18-Feb-21 | 0.57 | <1 | <1 | 0.18 | <2 | | | | |
| 4-Mar-21 | 0.64 | <1 | <1 | 0.43 | <2 | | | | |
| 17-Mar-21 | 0.58 | <1 | <1 | 0.22 | <2 | | | | |
| 31-Mar-21 | 0.48 | <1 | <1 | 0.15 | 2 | | | | |
| 14-Apr-21 | 0.82 | <1 | <1 | 0.12 | <2 | | | | |
| 27-Apr-21 | 0.71 | <1 | <1 | 0.12 | <2 | | | | |
| 11-May-21 | 0.55 | <1 | <1 | 0.16 | 6 | | | | |
| 25-May-21 | 0.58 | <1 | <1 | 0.12 | 50 | | | | |
| 9-Jun-21 | 0.49 | <1 | <1 | 0.11 | <2 | | | | |
| 23-Jun-21 | 0.63 | <1 | <1 | 0.17 | <2 | | | | |
| 6-Jul-21 | 0.63 | <1 | <1 | 0.23 | <2 | | | | |
| 21-Jul-21 | 0.53 | <1 | <1 | 0.29 | 2 | | | | |
| 4-Aug-21 | 0.37 | <1 | <1 | 0.25 | <2 | | | | |
| BUR-800K | GRAB | 7400 Blk Mulberry Place | | | | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-850K | GRAB | Near Vipond and Mckay | 17-Aug-21 | 0.35 | <1 | <1 | 0.17 | <2 |
| | | | 1-Sep-21 | 0.38 | <1 | <1 | 0.21 | 2 |
| | | | 14-Sep-21 | 0.35 | <1 | <1 | 0.15 | 14 |
| | | | 28-Sep-21 | 0.59 | <1 | <1 | 0.13 | <2 |
| | | | 14-Oct-21 | 0.45 | <1 | <1 | 0.14 | 2 |
| | | | 27-Oct-21 | 0.48 | <1 | <1 | 1.1 | <2 |
| | | | 10-Nov-21 | 0.51 | <1 | <1 | 0.12 | <2 |
| | | | 24-Nov-21 | 0.79 | <1 | <1 | 0.16 | 4 |
| | | | 8-Dec-21 | 0.68 | <1 | <1 | 0.11 | <2 |
| | | | 22-Dec-21 | 0.68 | <1 | <1 | 0.22 | NA |
| | | | 14-Jan-21 | 0.72 | <1 | <1 | 0.18 | <2 |
| | | | 29-Jan-21 | 0.4 | <1 | <1 | 0.32 | <2 |
| | | | 11-Feb-21 | 0.73 | <1 | <1 | 0.19 | <2 |
| | | | 26-Feb-21 | 0.57 | <1 | <1 | 0.27 | <2 |
| | | | 12-Mar-21 | 0.62 | <1 | <1 | 0.16 | <2 |
| | | | 23-Mar-21 | 0.6 | <1 | <1 | 0.12 | <2 |
| | | | 6-Apr-21 | 0.93 | <1 | <1 | 0.28 | <2 |
| | | | 20-Apr-21 | 0.75 | <1 | <1 | 0.18 | 2 |
| | | | 4-May-21 | 0.76 | <1 | <1 | 0.13 | <2 |
| | | | 20-May-21 | 0.58 | <1 | <1 | 0.25 | <2 |
| | | | 1-Jun-21 | 0.73 | <1 | <1 | 0.3 | <2 |
| | | | 16-Jun-21 | 0.72 | <1 | <1 | 0.12 | <2 |
| 29-Jun-21 | 0.79 | <1 | <1 | 0.24 | <2 | | | |
| 13-Jul-21 | 0.75 | <1 | <1 | 0.27 | 20 | | | |
| 27-Jul-21 | 0.87 | <1 | <1 | 0.29 | <2 | | | |
| BUR-850K | GRAB | Near Vipond and Mckay | 10-Aug-21 | 0.6 | <1 | <1 | 0.3 | <2 |
| | | | 25-Aug-21 | 0.75 | <1 | <1 | 0.47 | 6 |
| | | | 8-Sep-21 | 0.93 | <1 | <1 | 0.38 | 6 |
| | | | 21-Sep-21 | 0.69 | <1 | <1 | 0.55 | 4 |
| | | | 5-Oct-21 | 0.45 | <1 | <1 | 0.55 | 8 |
| | | | 19-Oct-21 | 0.74 | <1 | <1 | 0.26 | <2 |
| | | | 2-Nov-21 | 0.74 | <1 | <1 | 0.13 | <2 |
| | | | 16-Nov-21 | 0.76 | <1 | <1 | 0.15 | <2 |
| | | | 30-Nov-21 | 0.76 | <1 | <1 | 0.16 | <2 |
| | | | 14-Dec-21 | 0.87 | <1 | <1 | 0.15 | <2 |
| | | | 14-Jan-21 | 0.34 | <1 | <1 | 0.11 | <2 |
| | | | 29-Jan-21 | 0.6 | <1 | <1 | 0.26 | <2 |
| | | | 11-Feb-21 | 0.57 | <1 | <1 | 0.23 | <2 |
| | | | 26-Feb-21 | 0.59 | <1 | <1 | 0.1 | <2 |
| 12-Mar-21 | 0.49 | <1 | <1 | 0.12 | <2 | | | |
| 23-Mar-21 | 0.33 | <1 | <1 | 0.1 | <2 | | | |
| 6-Apr-21 | 0.38 | <1 | <1 | 0.26 | <2 | | | |
| 20-Apr-21 | 0.52 | <1 | <1 | 0.11 | <2 | | | |
| 4-May-21 | 0.48 | <1 | <1 | 0.15 | <2 | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | |
|--|-------------|---------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
| BUR-851K | GRAB | 9225 Holmes St. | 20-May-21 | 0.4 | <1 | <1 | 0.4 | <2 |
| | | | 1-Jun-21 | 0.4 | <1 | <1 | 0.34 | <2 |
| | | | 16-Jun-21 | 0.45 | <1 | <1 | 0.12 | <2 |
| | | | 29-Jun-21 | 0.22 | <1 | <1 | 0.19 | <2 |
| | | | 13-Jul-21 | 0.52 | <1 | <1 | 0.24 | <2 |
| | | | 27-Jul-21 | 0.62 | <1 | <1 | 0.27 | <2 |
| | | | 10-Aug-21 | 0.31 | <1 | <1 | 0.27 | <2 |
| | | | 25-Aug-21 | 0.63 | <1 | <1 | 0.3 | <2 |
| | | | 8-Sep-21 | 0.2 | <1 | <1 | 0.25 | 2 |
| | | | 21-Sep-21 | 0.1 | <1 | <1 | 0.2 | <2 |
| | | | 5-Oct-21 | 0.33 | <1 | <1 | 0.15 | <2 |
| | | | 19-Oct-21 | 0.15 | <1 | <1 | 0.13 | 82 |
| | | | 2-Nov-21 | 0.29 | <1 | <1 | 0.16 | <2 |
| | | | 16-Nov-21 | 0.23 | <1 | <1 | 0.1 | <2 |
| 30-Nov-21 | 0.46 | <1 | <1 | 0.14 | 10 | | | |
| 14-Dec-21 | 0.35 | <1 | <1 | 0.15 | <2 | | | |
| BUR-852K | GRAB | West of 7027 Gibson | 7-Jan-21 | 0.88 | <1 | <1 | 0.11 | <2 |
| | | | 22-Jan-21 | 0.69 | <1 | <1 | 0.13 | <2 |
| | | | 4-Feb-21 | 0.51 | <1 | <1 | 0.12 | <2 |
| | | | 16-Feb-21 | 0.83 | <1 | <1 | 0.08 | <2 |
| | | | 3-Mar-21 | 0.7 | <1 | <1 | 0.13 | <2 |
| | | | 16-Mar-21 | 0.83 | <1 | <1 | 0.13 | 2 |
| | | | 30-Mar-21 | 0.73 | <1 | <1 | 0.21 | <2 |
| | | | 13-Apr-21 | 0.73 | <1 | <1 | 0.19 | <2 |
| | | | 30-Apr-21 | 0.79 | <1 | <1 | 0.07 | <2 |
| | | | 12-May-21 | 0.71 | <1 | <1 | 0.13 | <2 |
| | | | 26-May-21 | 0.69 | <1 | <1 | 0.08 | <2 |
| | | | 10-Jun-21 | 0.75 | <1 | <1 | 0.13 | <2 |
| | | | 22-Jun-21 | 0.77 | <1 | <1 | 0.34 | <2 |
| | | | 7-Jul-21 | 0.85 | <1 | <1 | 0.31 | <2 |
| 20-Jul-21 | 0.55 | <1 | <1 | 0.18 | 2 | | | |
| BUR-852K | GRAB | West of 7027 Gibson | 3-Aug-21 | 0.78 | <1 | <1 | 0.18 | 2 |
| | | | 18-Aug-21 | 0.69 | <1 | <1 | 0.19 | 12 |
| | | | 31-Aug-21 | 0.56 | <1 | <1 | 0.13 | <2 |
| | | | 15-Sep-21 | 0.74 | <1 | <1 | 0.11 | 2 |
| | | | 29-Sep-21 | 0.7 | <1 | <1 | 0.17 | <2 |
| | | | 13-Oct-21 | 0.67 | <1 | <1 | 0.21 | 4 |
| | | | 26-Oct-21 | 0.75 | <1 | <1 | 0.15 | 2 |
| | | | 9-Nov-21 | 0.76 | <1 | <1 | 0.12 | <2 |
| | | | 23-Nov-21 | 0.77 | <1 | <1 | 0.12 | <2 |
| | | | 7-Dec-21 | 0.82 | <1 | <1 | 0.12 | 4 |
| | | | 21-Dec-21 | 0.77 | <1 | <1 | 0.14 | NA |
| | | | 7-Jan-21 | 0.75 | <1 | <1 | 0.13 | <2 |
| | | | 22-Jan-21 | 0.82 | <1 | <1 | 0.13 | <2 |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | | | |
|--|-------------|---------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|----|------|----|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | | | |
| BUR-853K | GRAB | 1531 Sperling | 4-Feb-21 | 0.86 | <1 | <1 | 0.28 | <2 | | | |
| | | | 16-Feb-21 | 0.83 | <1 | <1 | 0.09 | <2 | | | |
| | | | 3-Mar-21 | 0.69 | <1 | <1 | 0.13 | <2 | | | |
| | | | 16-Mar-21 | 0.71 | <1 | <1 | 0.12 | <2 | | | |
| | | | 30-Mar-21 | 0.72 | <1 | <1 | 0.17 | <2 | | | |
| | | | 13-Apr-21 | 0.6 | <1 | <1 | 0.22 | <2 | | | |
| | | | 30-Apr-21 | 0.84 | <1 | <1 | 0.07 | <2 | | | |
| | | | 12-May-21 | 0.72 | <1 | <1 | 0.12 | <2 | | | |
| | | | 26-May-21 | 0.8 | <1 | <1 | 0.08 | <2 | | | |
| | | | 10-Jun-21 | 0.39 | <1 | <1 | 0.11 | <2 | | | |
| | | | 22-Jun-21 | 0.67 | <1 | <1 | 0.35 | <2 | | | |
| | | | 7-Jul-21 | 0.79 | <1 | <1 | 0.21 | <2 | | | |
| | | | 20-Jul-21 | 0.6 | <1 | <1 | 0.17 | <2 | | | |
| | | | 3-Aug-21 | 0.74 | <1 | <1 | 0.17 | <2 | | | |
| | | | 18-Aug-21 | 0.69 | <1 | <1 | 0.19 | <2 | | | |
| | | | 31-Aug-21 | 0.73 | <1 | <1 | 0.12 | <2 | | | |
| | | | 15-Sep-21 | 0.76 | <1 | <1 | 0.12 | 2 | | | |
| | | | 29-Sep-21 | 0.85 | <1 | <1 | 0.17 | <2 | | | |
| | | | 13-Oct-21 | 0.74 | <1 | <1 | 0.18 | <2 | | | |
| | | | 26-Oct-21 | 0.78 | <1 | <1 | 0.24 | <2 | | | |
| | | | 9-Nov-21 | 0.89 | <1 | <1 | 0.14 | <2 | | | |
| | | | 23-Nov-21 | 0.76 | <1 | <1 | 0.15 | <2 | | | |
| | | | 7-Dec-21 | 0.95 | <1 | <1 | 0.14 | <2 | | | |
| | | | 21-Dec-21 | 0.93 | <1 | <1 | 0.19 | NA | | | |
| | | | 4-Jan-21 | 0.79 | <1 | <1 | 0.17 | <2 | | | |
| | | | BUR-854K | GRAB | 5569 Carson | 21-Jan-21 | 0.7 | <1 | <1 | 0.14 | <2 |
| | | | | | | 5-Feb-21 | 0.55 | <1 | <1 | 0.09 | <2 |
| | | | | | | 18-Feb-21 | 0.76 | <1 | <1 | 0.25 | <2 |
| 4-Mar-21 | 0.57 | <1 | | | | <1 | 0.33 | <2 | | | |
| 17-Mar-21 | 0.44 | <1 | | | | <1 | 0.33 | <2 | | | |
| 31-Mar-21 | 0.73 | <1 | | | | <1 | 0.18 | <2 | | | |
| 14-Apr-21 | 0.8 | <1 | | | | <1 | 0.2 | <2 | | | |
| 27-Apr-21 | 0.64 | <1 | | | | <1 | 0.13 | <2 | | | |
| 11-May-21 | 0.7 | <1 | | | | <1 | 0.13 | <2 | | | |
| 25-May-21 | 0.5 | <1 | | | | <1 | 0.14 | <2 | | | |
| 9-Jun-21 | 0.63 | <1 | | | | <1 | 0.17 | <2 | | | |
| 23-Jun-21 | 0.69 | <1 | | | | <1 | 0.93 | <2 | | | |
| BUR-854K | GRAB | 5569 Carson | 6-Jul-21 | 0.48 | <1 | <1 | 0.29 | <2 | | | |
| | | | 21-Jul-21 | 0.69 | <1 | <1 | 0.81 | <2 | | | |
| | | | 4-Aug-21 | 0.5 | <1 | <1 | 0.4 | <2 | | | |
| | | | 17-Aug-21 | 0.35 | <1 | <1 | 0.8 | <2 | | | |
| | | | 1-Sep-21 | 0.37 | <1 | <1 | 0.26 | 4 | | | |
| | | | 14-Sep-21 | 0.41 | <1 | <1 | 0.18 | 4 | | | |
| | | | 28-Sep-21 | 0.53 | <1 | <1 | 0.18 | 10 | | | |

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| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
|-------------|-------------|----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|------|
| BUR-855K | GRAB | 5009 Manor | 14-Oct-21 | 0.55 | <1 | <1 | 0.14 | 4 | |
| | | | 27-Oct-21 | 0.94 | <1 | <1 | 0.16 | 2 | |
| | | | 10-Nov-21 | 0.65 | <1 | <1 | 0.13 | <2 | <2 |
| | | | 24-Nov-21 | 0.65 | <1 | <1 | 0.26 | <2 | <2 |
| | | | 8-Dec-21 | 0.63 | <1 | <1 | 0.11 | 2 | 2 |
| | | | 22-Dec-21 | 0.75 | <1 | <1 | 0.21 | NA | NA |
| | | | 15-Jan-21 | 0.69 | <1 | <1 | 0.15 | 4 | 4 |
| | | | 28-Jan-21 | 0.65 | <1 | <1 | 0.13 | <2 | <2 |
| | | | 9-Feb-21 | 0.82 | <1 | <1 | 0.11 | <2 | <2 |
| | | | 25-Feb-21 | 0.63 | <1 | <1 | 0.11 | <2 | <2 |
| | | | 11-Mar-21 | 0.7 | <1 | <1 | 0.11 | <2 | <2 |
| | | | 26-Mar-21 | 0.75 | <1 | <1 | 0.13 | <2 | <2 |
| | | | 8-Apr-21 | 0.68 | <1 | <1 | 0.12 | <2 | <2 |
| | | | 22-Apr-21 | 0.74 | <1 | <1 | 0.13 | 12 | 12 |
| | | | 6-May-21 | 0.78 | <1 | <1 | 1.3 | 34 | 34 |
| | | | 19-May-21 | 0.76 | <1 | <1 | 0.14 | 76 | 76 |
| | | | 4-Jun-21 | 0.73 | <1 | <1 | 0.19 | 12 | 12 |
| | | | 17-Jun-21 | 0.56 | <1 | <1 | 0.1 | 16 | 16 |
| | | | 30-Jun-21 | 0.78 | <1 | <1 | 0.34 | 6 | 6 |
| | | | 14-Jul-21 | 0.79 | <1 | <1 | 0.22 | 6 | 6 |
| | | | 28-Jul-21 | 0.62 | <1 | <1 | 0.25 | 18 | 18 |
| | | | 11-Aug-21 | 0.64 | <1 | <1 | 0.27 | <2 | <2 |
| 24-Aug-21 | 1.05 | <1 | <1 | 0.26 | 14 | 14 | | | |
| 7-Sep-21 | 0.67 | <1 | <1 | 0.2 | 56 | 56 | | | |
| 22-Sep-21 | 0.84 | <1 | <1 | 0.19 | 10 | 10 | | | |
| 6-Oct-21 | 0.68 | <1 | <1 | 0.22 | 6 | 6 | | | |
| 20-Oct-21 | 0.9 | <1 | <1 | 0.34 | 10 | 10 | | | |
| 3-Nov-21 | 0.9 | <1 | <1 | 0.11 | 20 | 20 | | | |
| 17-Nov-21 | 0.96 | <1 | <1 | 0.12 | 4 | 4 | | | |
| 1-Dec-21 | 0.94 | <1 | <1 | 0.1 | <2 | <2 | | | |
| 15-Dec-21 | 0.8 | <1 | <1 | 0.13 | <2 | <2 | | | |
| 7-Jan-21 | 0.21 | <1 | <1 | 0.17 | 4 | 4 | | | |
| 22-Jan-21 | 0.13 | <1 | <1 | 0.16 | 32 | 32 | | | |
| 4-Feb-21 | 0.07 | <1 | <1 | 0.16 | 28 | 28 | | | |
| 16-Feb-21 | 0.27 | <1 | <1 | 0.16 | <2 | <2 | | | |
| 3-Mar-21 | 0.11 | <1 | <1 | 0.13 | 2 | 2 | | | |
| 16-Mar-21 | 0.08 | <1 | <1 | 1.1 | 130 | 130 | | | |
| 30-Mar-21 | 0.06 | <1 | <1 | 0.35 | 800 | 800 | | | |
| 13-Apr-21 | 0.06 | <1 | <1 | 0.23 | 1700 | 1700 | | | |
| 30-Apr-21 | 0.14 | <1 | <1 | 0.19 | 1100 | 1100 | | | |
| 12-May-21 | 0.09 | <1 | <1 | 0.22 | 1200 | 1200 | | | |
| 26-May-21 | 0.08 | <1 | <1 | 0.37 | LA | LA | | | |
| 10-Jun-21 | 0 | <1 | <1 | 0.46 | LA | LA | | | |
| 22-Jun-21 | 0.08 | <1 | <1 | 0.71 | LA | LA | | | |
| BUR-856K | GRAB | Centennial Reservoir | 7-Jan-21 | 0.21 | <1 | <1 | 0.17 | 4 | |
| | | | 22-Jan-21 | 0.13 | <1 | <1 | 0.16 | 32 | |
| | | | 4-Feb-21 | 0.07 | <1 | <1 | 0.16 | 28 | |
| | | | 16-Feb-21 | 0.27 | <1 | <1 | 0.16 | <2 | <2 |
| | | | 3-Mar-21 | 0.11 | <1 | <1 | 0.13 | 2 | 2 |
| | | | 16-Mar-21 | 0.08 | <1 | <1 | 1.1 | 130 | 130 |
| | | | 30-Mar-21 | 0.06 | <1 | <1 | 0.35 | 800 | 800 |
| | | | 13-Apr-21 | 0.06 | <1 | <1 | 0.23 | 1700 | 1700 |
| | | | 30-Apr-21 | 0.14 | <1 | <1 | 0.19 | 1100 | 1100 |
| | | | 12-May-21 | 0.09 | <1 | <1 | 0.22 | 1200 | 1200 |
| | | | 26-May-21 | 0.08 | <1 | <1 | 0.37 | LA | LA |
| | | | 10-Jun-21 | 0 | <1 | <1 | 0.46 | LA | LA |
| 22-Jun-21 | 0.08 | <1 | <1 | 0.71 | LA | LA | | | |

| Drinking Water Reports By Station - City of Burnaby Sites (2021) | | | | | | | | | |
|--|-------------|----------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|--|
| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL | |
| BUR-865K | GRAB | Centennial Reservoir | 7-Jul-21 | 0.27 | <1 | <1 | 0.34 | 100 | |
| | | | 20-Jul-21 | 0.2 | <1 | <1 | 0.26 | 56 | |
| | | | 3-Aug-21 | 0.19 | <1 | <1 | 0.28 | >11000 | |
| | | | 18-Aug-21 | 0.27 | <1 | <1 | 0.34 | 3600 | |
| | | | 31-Aug-21 | 0.26 | <1 | <1 | 0.25 | LA | |
| | | | 15-Sep-21 | 0.25 | <1 | <1 | 0.28 | 1200 | |
| | | | 29-Sep-21 | 0.07 | <1 | <1 | 0.29 | NA | |
| | | | 13-Oct-21 | 0.06 | <1 | <1 | 0.37 | 10000 | |
| | | | 26-Oct-21 | 0.17 | <1 | <1 | 0.39 | LA | |
| | | | 9-Nov-21 | 0.15 | <1 | <1 | 0.44 | >11000 | |
| | | | 23-Nov-21 | 0.03 | <1 | <1 | 0.55 | 2800 | |
| | | | 7-Dec-21 | 0.39 | <1 | <1 | 0.16 | 30 | |
| | | | 7-Jan-21 | 0.75 | <1 | <1 | 0.1 | 2 | |
| | | | 22-Jan-21 | 0.72 | <1 | <1 | 0.1 | <2 | |
| 4-Feb-21 | 0.86 | <1 | <1 | 0.12 | <2 | | | | |
| 16-Feb-21 | 0.82 | <1 | <1 | 0.12 | <2 | | | | |
| 3-Mar-21 | 0.67 | <1 | <1 | 0.12 | <2 | | | | |
| 16-Mar-21 | 0.57 | <1 | <1 | 0.11 | <2 | | | | |
| 30-Mar-21 | 0.7 | <1 | <1 | 0.09 | <2 | | | | |
| 13-Apr-21 | 0.64 | <1 | <1 | 0.19 | <2 | | | | |
| 30-Apr-21 | 0.75 | <1 | <1 | 0.1 | <2 | | | | |
| 12-May-21 | 0.61 | <1 | <1 | 0.17 | <2 | | | | |
| 26-May-21 | 0.62 | <1 | <1 | 0.11 | <2 | | | | |
| 10-Jun-21 | 0.59 | <1 | <1 | 0.09 | <2 | | | | |
| 22-Jun-21 | 0.6 | <1 | <1 | 0.23 | <2 | | | | |
| 7-Jul-21 | 0.74 | <1 | <1 | 0.14 | 2 | | | | |
| 20-Jul-21 | 0.69 | <1 | <1 | 0.15 | <2 | | | | |
| 3-Aug-21 | 0.62 | <1 | <1 | 0.25 | 4 | | | | |
| 18-Aug-21 | 0.57 | <1 | <1 | 0.15 | 2 | | | | |
| 31-Aug-21 | 0.54 | <1 | <1 | 0.15 | <2 | | | | |
| 15-Sep-21 | 0.69 | <1 | <1 | 0.15 | 2 | | | | |
| 29-Sep-21 | 0.66 | <1 | <1 | 0.13 | <2 | | | | |
| 13-Oct-21 | 0.63 | <1 | <1 | 0.15 | 6 | | | | |
| 26-Oct-21 | 0.97 | <1 | <1 | 0.18 | 6 | | | | |
| 9-Nov-21 | 0.87 | <1 | <1 | 0.18 | <2 | | | | |
| 23-Nov-21 | 0.67 | <1 | <1 | 0.14 | 2 | | | | |
| 7-Dec-21 | 0.83 | <1 | <1 | 0.14 | 4 | | | | |
| 21-Dec-21 | 0.64 | <1 | <1 | 0.18 | NA | | | | |
| 7-Jan-21 | 0.54 | <1 | <1 | 0.16 | <2 | | | | |
| 22-Jan-21 | 0.59 | <1 | <1 | 0.27 | 6 | | | | |
| 4-Feb-21 | 0.61 | <1 | <1 | 0.11 | 4 | | | | |
| 16-Feb-21 | 0.7 | <1 | <1 | 0.1 | 2 | | | | |
| 3-Mar-21 | 0.6 | <1 | <1 | 0.14 | <2 | | | | |
| 16-Mar-21 | 0.55 | <1 | <1 | 0.12 | 4 | | | | |
| BUR-857K | GRAB | Curtis Reservoir | 7-Jul-21 | 0.27 | <1 | <1 | 0.34 | 100 | |
| | | | 20-Jul-21 | 0.2 | <1 | <1 | 0.26 | 56 | |
| | | | 3-Aug-21 | 0.19 | <1 | <1 | 0.28 | >11000 | |
| | | | 18-Aug-21 | 0.27 | <1 | <1 | 0.34 | 3600 | |
| | | | 31-Aug-21 | 0.26 | <1 | <1 | 0.25 | LA | |
| | | | 15-Sep-21 | 0.25 | <1 | <1 | 0.28 | 1200 | |
| | | | 29-Sep-21 | 0.07 | <1 | <1 | 0.29 | NA | |
| | | | 13-Oct-21 | 0.06 | <1 | <1 | 0.37 | 10000 | |
| | | | 26-Oct-21 | 0.17 | <1 | <1 | 0.39 | LA | |
| | | | 9-Nov-21 | 0.15 | <1 | <1 | 0.44 | >11000 | |
| | | | 23-Nov-21 | 0.03 | <1 | <1 | 0.55 | 2800 | |
| | | | 7-Dec-21 | 0.39 | <1 | <1 | 0.16 | 30 | |
| | | | 7-Jan-21 | 0.75 | <1 | <1 | 0.1 | 2 | |
| | | | 22-Jan-21 | 0.72 | <1 | <1 | 0.1 | <2 | |
| 4-Feb-21 | 0.86 | <1 | <1 | 0.12 | <2 | | | | |
| 16-Feb-21 | 0.82 | <1 | <1 | 0.12 | <2 | | | | |
| 3-Mar-21 | 0.67 | <1 | <1 | 0.12 | <2 | | | | |
| 16-Mar-21 | 0.57 | <1 | <1 | 0.11 | <2 | | | | |
| 30-Mar-21 | 0.7 | <1 | <1 | 0.09 | <2 | | | | |
| 13-Apr-21 | 0.64 | <1 | <1 | 0.19 | <2 | | | | |
| 30-Apr-21 | 0.75 | <1 | <1 | 0.1 | <2 | | | | |
| 12-May-21 | 0.61 | <1 | <1 | 0.17 | <2 | | | | |
| 26-May-21 | 0.62 | <1 | <1 | 0.11 | <2 | | | | |
| 10-Jun-21 | 0.59 | <1 | <1 | 0.09 | <2 | | | | |
| 22-Jun-21 | 0.6 | <1 | <1 | 0.23 | <2 | | | | |
| 7-Jul-21 | 0.74 | <1 | <1 | 0.14 | 2 | | | | |
| 20-Jul-21 | 0.69 | <1 | <1 | 0.15 | <2 | | | | |
| 3-Aug-21 | 0.62 | <1 | <1 | 0.25 | 4 | | | | |
| 18-Aug-21 | 0.57 | <1 | <1 | 0.15 | 2 | | | | |
| 31-Aug-21 | 0.54 | <1 | <1 | 0.15 | <2 | | | | |
| 15-Sep-21 | 0.69 | <1 | <1 | 0.15 | 2 | | | | |
| 29-Sep-21 | 0.66 | <1 | <1 | 0.13 | <2 | | | | |
| 13-Oct-21 | 0.63 | <1 | <1 | 0.15 | 6 | | | | |
| 26-Oct-21 | 0.97 | <1 | <1 | 0.18 | 6 | | | | |
| 9-Nov-21 | 0.87 | <1 | <1 | 0.18 | <2 | | | | |
| 23-Nov-21 | 0.67 | <1 | <1 | 0.14 | 2 | | | | |
| 7-Dec-21 | 0.83 | <1 | <1 | 0.14 | 4 | | | | |
| 21-Dec-21 | 0.64 | <1 | <1 | 0.18 | NA | | | | |
| 7-Jan-21 | 0.54 | <1 | <1 | 0.16 | <2 | | | | |
| 22-Jan-21 | 0.59 | <1 | <1 | 0.27 | 6 | | | | |
| 4-Feb-21 | 0.61 | <1 | <1 | 0.11 | 4 | | | | |
| 16-Feb-21 | 0.7 | <1 | <1 | 0.1 | 2 | | | | |
| 3-Mar-21 | 0.6 | <1 | <1 | 0.14 | <2 | | | | |
| 16-Mar-21 | 0.55 | <1 | <1 | 0.12 | 4 | | | | |

Drinking Water Reports By Station - City of Burnaby Sites (2021)

| Sample Name | Sample Type | Description | Sampled Date | Chlorine Free mg/L | Ecoli CFU/100mLs | Total Coliform CFU/100mLs | Turbidity NTU | HPC CFU/mL |
|-------------|-------------|-------------------|--------------|-----------------------|---------------------|------------------------------|------------------|---------------|
| BUR-859K | GRAB | 192 North Warwick | 30-Mar-21 | 0.67 | <1 | <1 | 0.14 | <2 |
| | | | 13-Apr-21 | 0.61 | <1 | <1 | 0.18 | 2 |
| | | | 30-Apr-21 | 0.58 | <1 | <1 | 0.16 | 10 |
| | | | 12-May-21 | 0.64 | <1 | <1 | 0.26 | 4 |
| | | | 26-May-21 | 0.7 | <1 | <1 | 0.12 | 2 |
| | | | 10-Jun-21 | 0.62 | <1 | <1 | 0.09 | <2 |
| | | | 22-Jun-21 | 0.52 | <1 | <1 | 0.16 | 8 |
| | | | 7-Jul-21 | 0.5 | <1 | <1 | 2.8 | 2500 |
| | | | 20-Jul-21 | 0.42 | <1 | <1 | 0.12 | 14 |
| | | | 3-Aug-21 | 0.29 | <1 | <1 | 0.26 | 44 |
| | | | 18-Aug-21 | 0.37 | <1 | <1 | 0.22 | 100 |
| | | | 31-Aug-21 | 0.2 | <1 | <1 | 0.13 | 20 |
| BUR-859K | GRAB | 192 North Warwick | 15-Sep-21 | 0.42 | <1 | <1 | 0.13 | <2 |
| | | | 29-Sep-21 | 0.38 | <1 | <1 | 0.15 | 24 |
| | | | 13-Oct-21 | 0.36 | <1 | <1 | 0.13 | 26 |
| | | | 26-Oct-21 | 0.08 | <1 | <1 | 0.27 | 770 |
| | | | 9-Nov-21 | 0.16 | <1 | <1 | 0.14 | 640 |
| | | | 23-Nov-21 | 0.51 | <1 | <1 | 0.12 | 2 |
| | | | 7-Dec-21 | 0.49 | <1 | <1 | 0.14 | 270 |
| | | | 21-Dec-21 | 0.65 | <1 | <1 | 0.17 | NA |

APPENDIX B

Metro Vancouver Water Quality Control
Annual Report for 2021

DRINKING WATER QUALITY 2021 ANNUAL REPORT





Greater Vancouver Water District
2021 Water Quality Annual Report
Volume 1 of 2

March 2022

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EXECUTIVE SUMMARY

Source Water Quality

- In 2021, the turbidity levels of the delivered water met the requirements of the Guidelines for Canadian Drinking Water Quality (GCDWQ).
- The Capilano supply was in service for the entire year. Heavy rainfall events in November resulted in Capilano source water turbidity peaking just over 21 Nephelometric Turbidity Unit (NTU). Even with the higher turbidity, the delivered filtered Capilano water was less than 0.30 NTU as measured by online instruments for the entire year.
- The Seymour supply was in service for the entire year. Heavy rainfall events in November resulted in Seymour source water turbidity peaking at 11 NTU. The delivered filtered Seymour water was less than 0.30 NTU as measured by online instruments for the entire year.
- The Coquitlam supply was in service for the entire year. The unfiltered Coquitlam source water was greater than 1 NTU for 22 days in 2021 and did not exceed 5 NTU throughout the year in accordance with GVWD's Permit to Operate.
- The microbiological quality of the three source waters was excellent in 2021. The levels of bacteria and protozoa detected were low and indicative of high quality source water.
- Coquitlam source water quality met the bacteriological requirements for avoiding filtration outlined in the turbidity section of the GCDWQ.
- Results of the analyses of the source water for herbicides, pesticides, volatile organic compounds and radionuclides were all found to be below the recommended limits for these substances as listed in the GCDWQ.

Water Treatment

- The Seymour Capilano Filtration Plant (SCFP) performance, as measured by the quality of the delivered water, was excellent in 2021. The daily average turbidity of water leaving the clearwells to enter the Greater Vancouver Water District (GVWD) transmission system was an average of 0.15 NTU in 2021.
- Turbidity levels for Individual Filter Effluent (IFE) met the turbidity requirements of the GCDWQ.
- Filtration consistently removed iron, colour and organics from the Capilano and Seymour source water.
- Levels of total aluminum in filtered water were consistently below the GCDWQ operational guideline value of 0.2 mg/L for direct filtration plants using aluminum-based coagulants. The maximum value for 2021 was 0.03 mg/L.
- There were no outages of ultraviolet treatment at the SCFP and the Coquitlam Water Treatment Plant (CWTP).
- The SCFP and CWTP operated the full year using sodium hypochlorite for chlorination.
- The secondary disinfection stations boosted chlorine when required.

Transmission/Distribution System Water Quality

- Bacteriological water quality was excellent in the GVWD transmission mains and in-system storage reservoirs.
- Of the approximate 6,600 samples collected from the regional system for testing in 2021, none were positive for *E. coli*. The detection of an *E. coli* triggers a protocol which involves immediate notification to health and member jurisdiction officials, re-sampling, and a thorough investigation into the possible causes.
- Bacteriological water quality was excellent in the distribution systems of the member jurisdictions. Of the approximate 20,800 samples collected from member jurisdictions for

testing in 2021, a high percentage (99.8%) were free of total coliforms, and one sample tested positive for *E. coli*.

- The running average levels of the Trihalomethane (THM) group of chlorine disinfection by-products detected in the delivered water in the GVWD and member jurisdiction systems were below the Maximum Acceptable Concentration (MAC) in the GCDWQ of 100 µg/L (0.1 mg/L). The running average levels for the Haloacetic Acid (HAA) group of chlorine disinfection by-products were below the GCDWQ Maximum Acceptable Concentration (MAC) of 80 µg/L (0.08 mg/L).

ACRONYMS

| | |
|--------------------|--|
| ACU | Apparent Color Unit |
| AO | Aesthetic Objective (characteristics such as taste, colour, appearance, temperature that are not health related) |
| BCDWPR | <i>British Columbia Drinking Water Protection Regulation</i> |
| BHT | Break Head Tank |
| BTEX | Benzene, Ethylbenzene, Toluene, Xylene |
| CALA | Canadian Association for Laboratory Accreditation |
| CRWPS | Capilano Raw Water Pump Station |
| CFE | Combined Filter Effluent |
| CFU | Colony Forming Units |
| CO ₂ | Carbon Dioxide |
| CTD | Conductivity, Temperature, Depth |
| CWTP | Coquitlam Water Treatment Plant |
| DS | Distribution System |
| DBP | Disinfection By-product |
| DOC | Dissolved Organic Carbon |
| DWTP | <i>Drinking Water Treatment Program</i> |
| DWTO | <i>Drinking Water Treatment Objectives (Microbiological) for Surface Water Supplies in British Columbia</i> |
| <i>E. coli</i> | <i>Escherichia coli</i> |
| ERF | Energy Recovery Facility |
| EPA | Environmental Protection Agency (USA) |
| ESWTR | <i>Enhanced Surface Water Treatment Rule (USA)</i> |
| GCDWQ | <i>Guidelines for Canadian Drinking Water Quality</i> |
| GVWD | Greater Vancouver Water District |
| HAA | Haloacetic Acid |
| HPC | Heterotrophic Plate Count |
| IFE | Individual Filter Effluent |
| MAC | Maximum Acceptable Concentration |
| MCL | Maximum Contaminant Level |
| MDA | Minimum Detectable Activity |
| MDL | Method Detection Limit |
| mg/L | Milligram per litre (0.001 g/L) |
| µg/L | Microgram per litre (0.000001 g/L) |
| mL | Milliliter |
| MF | Membrane Filtration |
| mJ/cm ² | Millijoule per centimeter squared |
| MPN | Most Probable Number |
| N/A | Not Available |
| NTU | Nephelometric Turbidity Unit |
| PAH | Polycyclic Aromatic Hydrocarbons |
| PFOA | Perfluorooctanoic Acid |
| PFOS | Perfluorooctane Sulfonate |
| pH | Measure of acidity or basicity of water; pH 7 is neutral |

| | |
|-------------------|--|
| ppb | Parts per Billion (Equivalent of microgram per litre) |
| ppm | Parts per Million (Equivalent of microgram per litre) |
| RCW | Recycled Clarified Water |
| RWT | Raw Water Tunnel |
| SCADA | Supervisory Control and Data Acquisition |
| SCFP | Seymour Capilano Filtration Plant |
| TS | Transmission System |
| THAA ₅ | Total Haloacetic ₅ Acids |
| THM | Trihalomethane |
| TOC | Total Organic Carbon |
| TTHM | Total Trihalomethane |
| TWT | Treated Water Tunnel |
| UV ₂₅₄ | Ultraviolet Absorbance at 254 nm |
| WHO | World Health Organization |
| WQMRP | <i>Water Quality Monitoring and Reporting Plan for Metro Vancouver (GVWD) and Local Government Members</i> |

WATER SAMPLING AND TESTING PROGRAM

| Water Type | Parameter | Frequency |
|--|--|-----------------------------------|
| Untreated, Source Water | Total coliform and <i>E. coli</i> | Daily |
| | Turbidity | Daily |
| | <i>Giardia</i> and <i>Cryptosporidium</i> | Monthly at Capilano and Coquitlam |
| | Ammonia, colour, iron, organic carbon, pH | Weekly |
| | Alkalinity, chloride, calcium, hardness, magnesium, manganese, nitrate, potassium, phosphate, sulphate | Monthly |
| | Aluminum, copper, sodium, total and suspended solids | Bi-monthly |
| | Trihalomethanes, haloacetic acids | Quarterly |
| | Antimony, arsenic, barium, boron, cadmium, cyanide, chromium, lead, mercury, nickel, phenols, selenium, silver, zinc | Semi-annually |
| | Pesticides and herbicides | Annually |
| | PAHs, BTEXs | Annually |
| | VOC | Annually |
| | Radioisotopes | Annually |
| Treated water | Total coliform and <i>E. coli</i> | Daily |
| | Turbidity | Daily |
| | Temperature | Daily |
| | Ammonia, colour, iron, organic carbon, pH, aluminum at SCFP | Weekly |
| | Aluminum, copper, sodium, total and suspended solids | Bi-Monthly |
| | Trihalomethanes, haloacetic acids | Quarterly at selected sites |
| | Antimony, arsenic, barium, boron, cadmium, cyanide, chromium, lead, mercury, nickel, phenols, selenium, silver, zinc | Semi-annually |
| GVWD Water Mains | Total coliform and <i>E. coli</i> | Weekly per site |
| | Heterotrophic plate count | Weekly per site |
| | Free chlorine | Weekly per site |
| | Trihalomethanes, haloacetic acids, pH | Quarterly at selected sites |
| | PAHs, BTEXs | Semi-annually at selected sites |
| GVWD Reservoirs | Total coliform and <i>E. coli</i> | Weekly per site |
| | Heterotrophic plate count | Weekly per site |
| | Free chlorine | Weekly per site |
| Member Jurisdiction Distribution Systems | Total coliform and <i>E. coli</i> | Weekly per site |
| | Heterotrophic plate count | Weekly per site |
| | Free chlorine | Weekly per site |
| | Turbidity | Weekly per site |
| | Trihalomethanes, haloacetic acids, pH | Quarterly at selected sites |

1.0 SOURCE WATER QUALITY

The first barrier in place to protect the quality of drinking water supply is the protection of the Water Supply Area to ensure the best quality source water. Source water monitoring provides ongoing confirmation that the barrier is effective, identifies seasonal changes and provides the monitoring information necessary to adjust the level of water treatment that is in place. Regular monitoring of the water sources is also a requirement of the *Water Quality Monitoring and Reporting Plan for Metro Vancouver (GVWD) and Local Government Members (WQMRP)*.

1.1. Bacteriological Quality of the Source Water

The bacteriological quality of the source water is an important indicator of the degree of contamination, and the treatment required to ensure a safe water supply. *The Drinking Water Treatment Objectives (Microbiological) for Surface Water Supplies in British Columbia (DWTO)* Section 4.3 states “*The number of E. coli in raw water does not exceed 20/100 mL (or if E. coli data are not available less than 100/100 mL of total coliform) in at least 90% of the weekly samples from the previous six months. Treatment target for all water systems is to contain no detectable E. coli or fecal coliform per 100 mL.*”

Table 1 summarizes *E. coli* data for all three GVWD water supply sources. The levels of *E. coli* for all three sources were below the 10% limit in the provincial turbidity guideline.

| Month | Percent of samples (daily) in a six month period ending on the last day of the month named where <i>E. coli</i> greater than 20/100 mL | | |
|-------|--|---------|-----------|
| | Capilano | Seymour | Coquitlam |
| Jan | 4.4% | 8.7% | 3.8% |
| Feb | 4.4% | 9.1% | 3.9% |
| Mar | 1.1% | 5.1% | 0.6% |
| Apr | 0.0% | 0.0% | 0.0% |
| May | 0.0% | 0.0% | 0.0% |
| Jun | 0.0% | 0.0% | 0.0% |
| Jul | 0.0% | 0.0% | 0.0% |
| Aug | 0.0% | 0.0% | 0.0% |
| Sep | 3.8% | 4.4% | 3.3% |
| Oct | 3.8% | 7.6% | 3.8% |
| Nov | 3.8% | 7.7% | 3.8% |
| Dec | 3.8% | 7.7% | 3.8% |

Table 1: Percent of Samples in Six Continual Months with *E. coli*/100 mL Exceeding 20

Figure 1 shows the results of the analysis of the source water from 2017 to 2021 at all three intakes compared to the limits for source water bacterial levels in the DWTO. As in previous years, all three sources met the limit of not more than 10% exceeding 20 *E. coli*/100 mL. Also, as in previous years, samples collected at the intakes in the fall and winter had the highest *E. coli* levels. Typically, *E. coli* can be traced back to high flow levels at the main tributaries of the supply lakes and a first flush phenomenon after a period of dry weather.

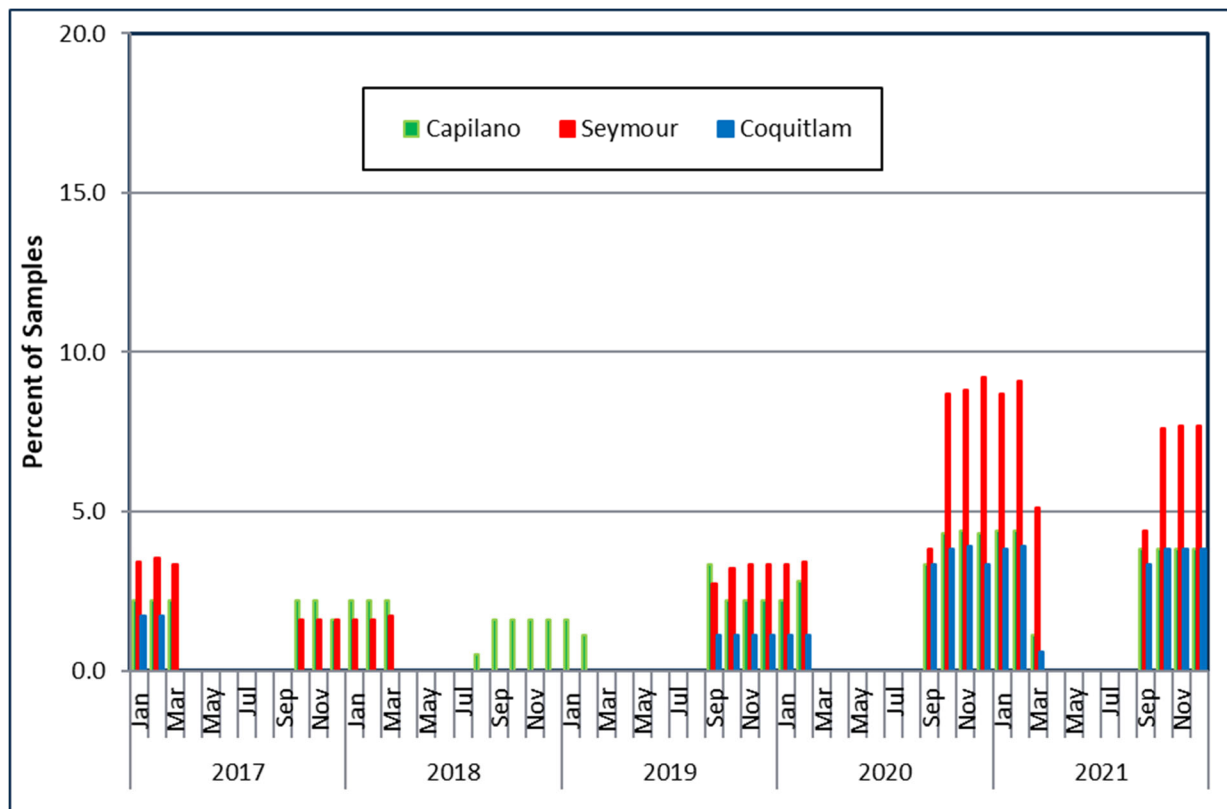


Figure 1: Percent of Samples Exceeding 20 *E. coli*/100 mL at all Three Sources (2017 to 2021)

Note: Metro Vancouver has protected Water Supply Areas and therefore the source of *E. coli* is most likely originating from endemic animals in the Water Supply Areas.

1.2. Source Water Monitoring for *Giardia* and *Cryptosporidium*

Unfiltered surface water supplies have the potential of containing the protozoan pathogens *Giardia* and *Cryptosporidium*. Outbreaks of *Giardiasis* occurred in a number of locations in BC and Washington State in the late 1980s, and Metro Vancouver has been monitoring raw water for *Giardia* since 1987. Since 1992, Metro Vancouver has participated in a program with the BC Centre of Disease Control Enhanced Water Testing Laboratory, to gather more information about the number and nature of cysts found in the GVWD water supplies. The program involves collecting samples from the Capilano and Coquitlam supplies upstream of disinfection.

At the SCFP, monitoring for *Giardia* and *Cryptosporidium* has focused on the recycled water returning to the head of the plant and this monitoring has confirmed that the procedures in place effectively control the levels of *Giardia* and *Cryptosporidium* in the recycled wash water from the filters.

The results of the 2021 testing program are contained in the “Metro Vancouver Detection of Waterborne *Cryptosporidium* and *Giardia* January - December, 2021 Annual Report”, which was prepared by the BC Public Health Microbiology & Reference Laboratories, Environmental Microbiology, and can be found in Appendix D. Three of twelve (25%) samples collected at Capilano and three of the twelve (25%) collected at Coquitlam were positive for *Giardia* (Table 2).

Seymour samples are all process control samples and not Seymour source water (shown as N/A in the table).

| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| Capilano | 75 | 50 | 18 | 18 | 50 | 58 | 33 | 33 | 33 | 25 |
| Seymour | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Coquitlam | 50 | 23 | 8 | 0 | 17 | 67 | 8 | 25 | 25 | 25 |

Table 2: Percent of Samples Positive for *Giardia*

Zero of twelve (0%) samples collected at Capilano were positive for *Cryptosporidium*, and zero of twelve (0%) were positive at Coquitlam (Table 3). Seymour samples are all process control samples and not Seymour source water (shown as N/A in the table).

| | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| Capilano | 16 | 9 | 9 | 9 | 25 | 17 | 8 | 0 | 0 | 0 |
| Seymour | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Coquitlam | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 3: Percent of Samples Positive of *Cryptosporidium*

Year to year fluctuations are demonstrated for *Giardia* and *Cryptosporidium* and there has always been considerable variation in the results.

1.3. Turbidity

As shown in Figure 2, GVWD water sources have been susceptible to turbidity upsets due to high runoff from storms which can cause slides and stream scouring in the Water Supply Areas, or from re-suspension of sediment from the edges of the lakes during periods of low water levels. The DWTO allows a utility to be exempt from filtration if the turbidity does not exceed specific water quality parameters requirements and provided that a number of other provisions, including source water protection and two forms of water treatment requirements, are in place. Historically the turbidity levels on both the Capilano and Seymour sources would not meet these criteria, therefore plans were developed and implemented to filter both supplies.

Filtration of 100% of the Seymour supply began in December 2009, and filtration and distribution of the Capilano supply through the Twin Tunnels connecting the Capilano and Seymour source supplies commenced in February 2015. Both the raw and treated water tunnels were fully operational in April 2015.

Section 4.4 of the DWTO (Version 1.1, November 2012) contains the following provision for filtration exemption:

“For nonfiltered surface water to be acceptable as a drinking water source supply, average daily turbidity levels should be established through sampling at equal intervals (at least every four hours) immediately before the disinfectant is applied. Turbidity levels of around 1.0 NTU but not exceeding 5.0 NTU for more than two days in a 12-month period should be demonstrated in the absence of filtration. In addition, source water turbidity also should not show evidence of harbouring microbiological contaminants in excess of the exemption criteria.”

Capilano and Seymour water is filtered so these source water criteria don't apply to the delivered water. Coquitlam, which is unfiltered, was in service for all of 2021 in accordance with the DWTO.

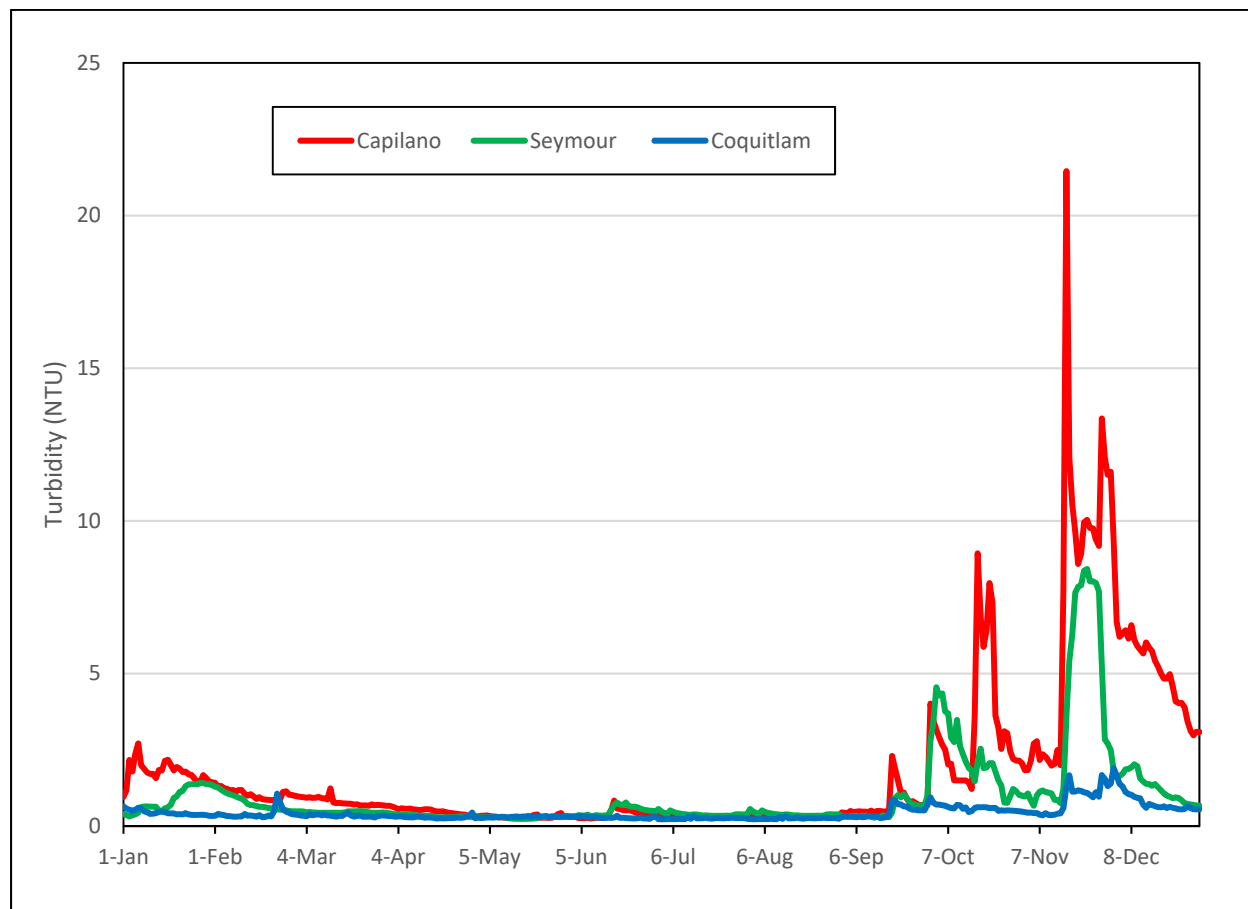


Figure 2: Average Daily Turbidity of Source Water (From In-line Readings)

1.4. Chemistry

1.4.1. Chemical and Physical Characteristics of Source Water

The chemical and physical characteristics of the GVWD source water are summarized in Appendix A of this report; detailed analytical results are provided in Volume II. The results from the chemical and physical analyses of the source water in 2021 were similar to those for other years.

1.4.2. Herbicides, Pesticides, Volatile Organic Compounds, Radioactivity and Uranium

Analyses of the source water for a variety of organic compounds, including all of the compounds with a specified MAC in the *Guidelines for Canadian Drinking Water Quality* (GCDWQ), is carried out on an annual basis in accordance with the WQMRP. The results are contained in Appendix B of this report and in Volume II. No parameters were detected above the applicable GCDWQ health based limits.

1.4.3. PFOS and PFAS

The GCDWQ have added the parameters of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFAS) for testing of the source and treated waters. The results are in Appendix B of this report and in Volume II. None of the chemicals in these categories were detected. Common sources of these synthetic chemicals are from consumer products and fire-fighting foam for their water and oil repellent properties.

1.4.4. Limnology

The Reservoir Water Quality Monitoring Program started in 2014 collects limnology data (physical, chemical and biological parameters) for the Capilano, Seymour and Coquitlam Reservoirs. Reservoir monitoring information is important in proactively managing the supply reservoirs as water quality could be impacted by environmental variability and climate change. This program assists in ensuring that variation and trends in reservoir quality are scientifically tracked over time.

Water sampling of the source reservoirs and inflow rivers is conducted between April and November each year. Biological productivity that can influence water quality is the highest during this time of year, making it an important time for sampling and measurements. Monthly sampling of the source water is conducted by staff and sample analysis undertaken by accredited labs. More frequent water quality measurements are compiled by arrays of scientific instruments in each reservoir.

Metro Vancouver employs the services of a limnology consultant to review the annual program data, interpret physical, chemical, and biological conditions and examine long term trends. Results in 2021, as in previous years, confirmed the three reservoirs are ultra-oligotrophic (see Appendix C), which means they have low levels of available nutrients and low levels of biological production. A single value called the Trophic State Index (TSI) is used to infer time course change in water quality based on the amount of algal biomass in the water column of each reservoir. TSI values have remained consistently low since measurements began (see Appendix C), which shows low biological production. The ultra-oligotrophic classification and low TSI values are highly desirable for source drinking water supply and shows that the GVWD Water Supply Areas and reservoirs continue to supply high quality water.

There is worldwide interest in blue green algae (also known as cyanobacteria) in water reservoirs. These algae can produce toxins that are collectively known as microcystins. A common cyanobacterium in GVWD reservoirs is called *Merismopedia* spp., which is thought to produce these microcystins. Despite the presence of cyanobacteria, the concentration of microcystins in GVWD reservoirs remains well below levels known to affect human health and are far below the GCDWQ. This desirable condition is due to the ultra-oligotrophic status of the reservoirs. Metro Vancouver continues to monitor cyanobacteria, including *Merismopedia* species as well as processes in the reservoirs that control the growth of cyanobacteria and other algae. These data are routinely used to help predict changes to water quality over time related to climatic and environmental change and aid in making proactive decisions about ongoing reservoir management strategies.

2.0 QUALITY CONTROL ASSESSMENT OF WATER TREATMENT

Water treatment is the second barrier (after source water protection) relied on to assure the quality of the water supply.

Completion of the Twin Tunnels Project in 2015 successfully concluded GVWD's regional long-range water treatment enhancement plans which spanned more than ten years. Each tunnel is 3.8 metres in diameter, 7.1 kilometres long, and 160 to 640 meters below ground level, running beneath Grouse Mountain and Mount Fromme. The water from the Raw Water Tunnel (RWT) is filtered and treated alongside the Seymour source water at the Seymour Capilano Filtration Plant (SCFP). Both treated sources enter the Clearwell at the SCFP for further treatment before the blended water is distributed to the region. Blended treated water returns to Capilano through the Treated Water Tunnel (TWT) and provides high quality drinking water to the Capilano area while the remainder is distributed through the Seymour system.

2.1. Seymour Capilano Filtration Plant

The SCFP is a chemically assisted direct filtration plant which uses poly aluminum chloride as a coagulant with polymers to improve particle removal. These substances help aggregate particles to form visible floc. The flocculated particles are removed by passing this water through a filter medium of anthracite and sand. The result is the production of filtered water which is then exposed to ultraviolet light as the water exits each filter. The final processes are the addition of sodium hypochlorite (chlorine) and hydrated lime before the water enters the Clearwells. The West and East Clearwells are large water storage reservoirs that store and allow controlled passage of water with mixing (or blending) of the injected chlorine and hydrated lime. The Clearwells provide sufficient retention (or contact time) with chlorine to provide any further disinfection required after filtration and ultraviolet light treatment. Carbon dioxide (CO₂) in solution is added to trim pH once the desired alkalinity is reached. After the Clearwells, the finished water enters the transmission system at the Seymour Treated Water Valve Chamber. The SCFP has been operational since December 2009 and the quality of the water produced has been excellent.

2.1.1. Filtration

As a result of filtration treatment of the Capilano and Seymour water sources, there have been a number of changes to the characteristics of the delivered water. Some of these changes are visible, and some are not. The most obvious visible change in the water is the decrease in colour and increase in clarity. There is a total loss of brown hue that can sometimes characterize Capilano and Seymour waters before filtration. This improvement in colour is a result of removal of the naturally occurring parameters that cause the brown hue by the filtration process. Suspended particles in water that cause light to scatter (turbidity) are also removed. The end product is water that is very clear. Due to the purity of the water, it may have a slight bluish tinge.

Figure 3 compares the apparent colour of SCFP filtered water and Capilano and Seymour source waters for 2021. During the fall rainfall events, the apparent colour of the Seymour source water feeding the SCFP had a reading over 25 ACU. After the removal of the organic material through filtration, the colour of the filtered water delivered to the public was never greater than 3 ACU.

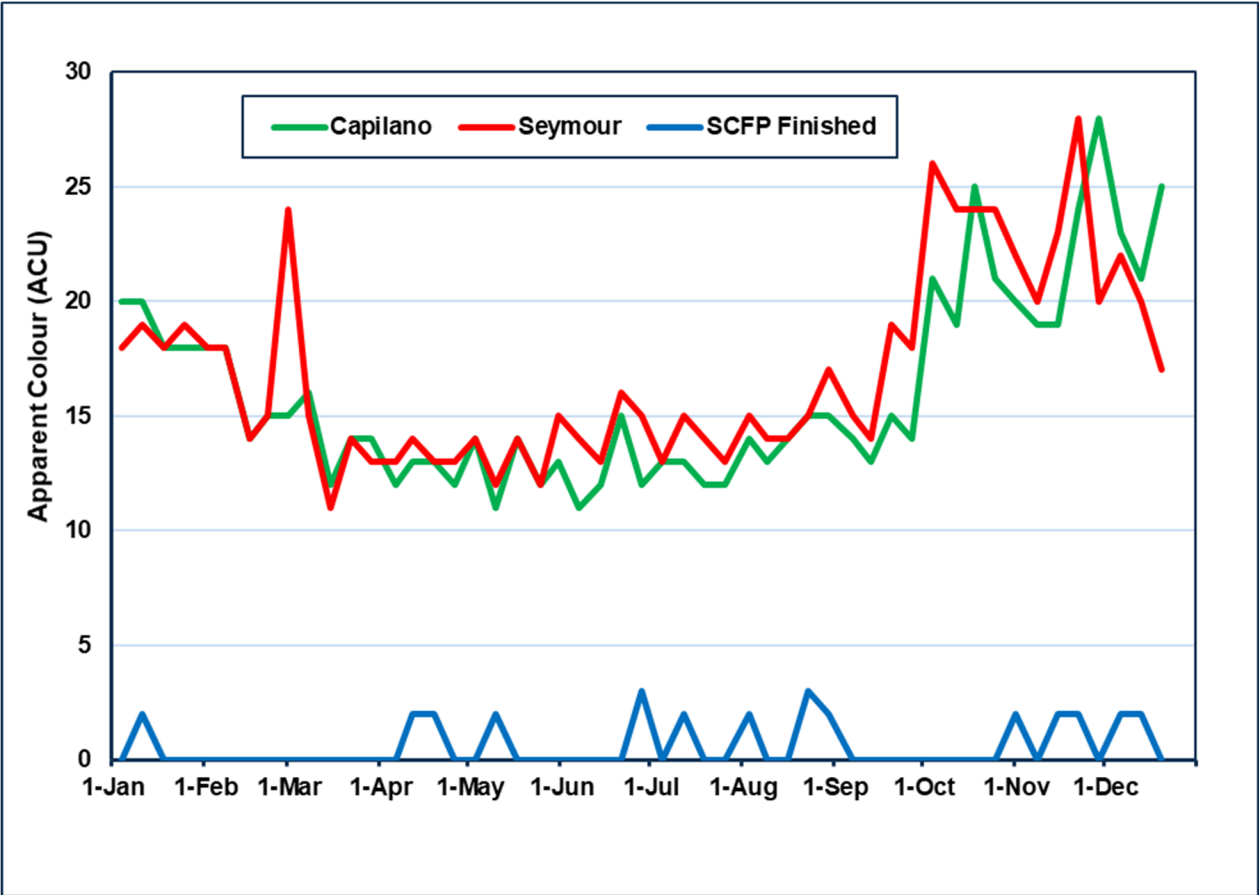


Figure 3: Apparent Colour Levels Before and After Filtration

Figure 4 compares turbidity of the two source waters that feed the SCFP to the turbidity level of the finished water. The Seymour source experienced an average daily turbidity greater than 1 NTU for 106 days. The Capilano source exceeded 1 NTU on 127 days. Since both sources were filtered at the SCFP, the maximum average daily turbidity of the delivered water was 0.22 NTU and the average was 0.15 NTU.

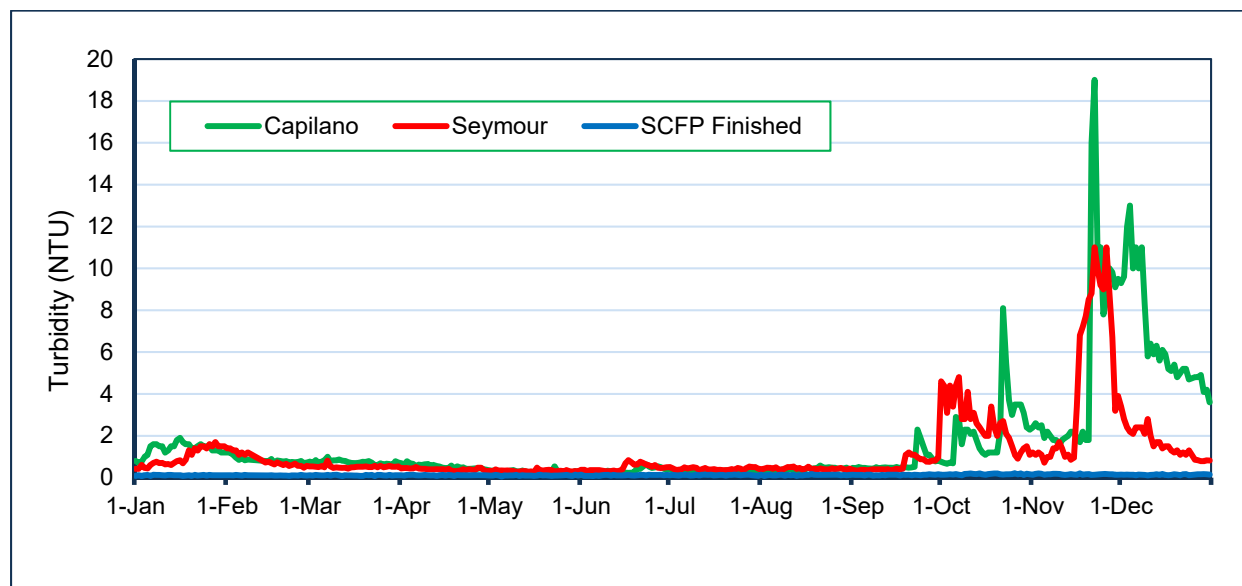


Figure 4: Average Daily Turbidity Levels Before and After Filtration

Removal of turbidity in the source water improves the aesthetic qualities of the water, but it also has the benefit of removing certain types of pathogenic microorganisms that may be present. At a minimum, properly run direct filtration plants such as the SCFP will remove up to 2.5 log (two log is a 99% reduction) of *Giardia* and *Cryptosporidium* plus 1 log of viruses. To ensure this removal, it is critical that the performance of each filter determined by the turbidity of its effluent is monitored on a continuous basis.

The GCDWQ (2020) states: “For conventional and direct filtration, less than or equal to 0.3 nephelometric turbidity units (NTU) in at least 95% of measurements either per filter cycle or per month and never to exceed 1.0 NTU.”

Ideally the turbidity from each filter would never exceed 0.1 NTU; however, there are rare occurrences of turbidity readings that exceed this ideal level. The turbidity performance of all 24 filters is measured by examining the percent of time that the turbidity of each Individual Filter Effluent (IFE) met the turbidity guidelines of not greater than 1.0 NTU and at least 95% of time less than 0.3 NTU. This is summarized in Table 4. In 2021, there were no incidents where the IFE was greater than 1.0 NTU and the few incidences of filter turbidity readings that were greater than 0.3 NTU, were well within the 95% limit.

| Month | Occurrence of IFE Turbidity greater than 1.0 NTU (None Allowed) | Percent of Time IFE Turbidity was less than 0.3 NTU (Minimum 95% Required) |
|-----------|---|--|
| January | 0 | 100% |
| February | 0 | 100% |
| March | 0 | 99.99% |
| April | 0 | 99.99% |
| May | 0 | 100% |
| June | 0 | 99.99% |
| July | 0 | 100% |
| August | 0 | 100% |
| September | 0 | 100% |
| October | 0 | 100% |
| November | 0 | 100% |
| December | 0 | 99.99% |

Table 4: Monthly Filter Effluent Turbidity Summary

Under normal operating conditions the average turbidity of the filtered water at SFCP was 0.15 NTU.

All water that flows through the filters immediately passes through the ultraviolet units. The intensity of the ultraviolet lamps automatically increases when there is an increase in turbidity of the water exiting each filter. After ultraviolet treatment, the water is chlorinated as it enters the clearwell, where more than one hour of contact time is provided.

2.1.2. Ultraviolet Treatment

The effluent from each filter is treated with ultraviolet light as the water exits the filter. Ultraviolet treatment is effective in altering the DNA structure of *Giardia* and *Cryptosporidium*, thus rendering cysts and oocysts, respectively, of these parasites non-infectious. Other disinfectants, especially chlorine, are ineffective against *Cryptosporidium* oocysts at reasonable dosages. In the unlikely event of a breakthrough of *Cryptosporidium* oocysts, especially at the end of a filter run, ultraviolet light is present to render any parasites that may be present as non-infectious. Oocysts are not able to proliferate inside the intestines of human hosts to cause illness after a sufficient dose of ultraviolet light. The target dosage for ultraviolet light is to achieve 2-Log (99%) *Giardia* and *Cryptosporidium* inactivation is 21 mJ/cm².

Under normal operating conditions, two rows of lamps operating at 75% power provide sufficient ultraviolet light to meet the dosage requirement for 2-log reduction of *Giardia* and *Cryptosporidium*

Table 5 summarizes the performance of the SFCP ultraviolet system in 2021.

| Month | Percent of Monthly Volume \geq 2-log of <i>Giardia</i> and <i>Cryptosporidium</i> Inactivation (95% of monthly volume required) |
|-----------|---|
| January | 99.83% |
| February | 99.92% |
| March | 99.87% |
| April | 99.95% |
| May | 99.95% |
| June | 99.95% |
| July | 99.93% |
| August | 99.86% |
| September | 99.94% |
| October | 99.88% |
| November | 99.92% |
| December | 99.93% |

Table 5: Percent of Volume Meeting Ultraviolet Dosage Requirements at SCFP

2.1.3. Chlorination

Chlorination is used for disinfection at the source as well as at secondary disinfection stations to minimize bacterial regrowth in the GVWD transmission and member jurisdiction distribution systems. Chlorination provides 4-log virus inactivation with liquid sodium hypochlorite.

2.2. Coquitlam Water Treatment Plant

The Coquitlam Water Treatment Plant (CWTP) uses ozonation, ultraviolet treatment, soda ash and chlorination to treat water from the Coquitlam source.

Ozonation provides pre-treatment and helps remove micro-organisms from the water, reduces disinfection by-products and improves water clarity, which increases the efficiency of the subsequent ultraviolet process. Ozonation provides an additional 4-log virus inactivation to chlorination. Soda ash is then added for pH and alkalinity adjustment for corrosion control, followed by chlorination.

2.2.1. Ultraviolet Treatment

Ultraviolet treatment (operational since 2014) provides for primary disinfection, and achieves 3-log inactivation of chlorine-resistant micro-organisms for *Giardia* and *Cryptosporidium*. The water is directed into 8 ultraviolet units, each containing 40 ultraviolet lamps encased in protective sleeves. Ultraviolet light emitted from the lamps passes through the water. The US Environmental Protection Agency (USEPA) requires that the ultraviolet disinfection process results in target *Giardia* and *Cryptosporidium* inactivation in at least 95% of the treated water volume on a monthly basis, which is summarized in Table 6. The USEPA standard is used because there is no Canadian standard.

| Month | Percent of Monthly Volume \geq 3-log <i>Giardia</i> and <i>Cryptosporidium</i> Inactivation (Minimum 95% Required) |
|-----------|--|
| January | 99.86% |
| February | 99.87% |
| March | 99.88% |
| April | 99.84% |
| May | 99.87% |
| June | 99.83% |
| July | 99.91% |
| August | 99.90% |
| September | 99.90% |
| October | 99.85% |
| November | 99.88% |
| December | 99.90% |

Table 6: Percent of Volume Meeting Ultraviolet Dosage Requirements at CWTP

2.2.2. Chlorination

Chlorination is used for disinfection at the source as well as at secondary disinfection stations to minimize bacterial regrowth in the GVWD transmission and member jurisdiction distribution systems. Chlorination provides 4-log virus inactivation with liquid sodium hypochlorite, which replaced the compressed chlorine gas system in 2017. Table 7 summarizes the performance of all the Coquitlam disinfection systems in 2021.

| Facility | Performance | Discussion |
|---------------------|--|--|
| Ozonation | Operated 99.7% of time | Acts as a pre-treatment, enhancing the removal of organics and increasing the UV Transmittance making Ultraviolet treatment more effective. Ozone outages were due to electrical or instrument maintenance, ozone outage test, or ozone generator faults. |
| Ultraviolet | No loss of ultraviolet in 2021. 99.87 % of volume was treated to ultraviolet specifications | UV performance met USEPA requirements. (95% of monthly volume required). |
| Chlorination | 100% of water was chlorinated | This facility uses chlorine as a secondary disinfectant except during an outage of the ultraviolet system when it is used for primary disinfection. |

Table 7: Performance of Coquitlam Disinfection Facilities

2.3. Secondary Disinfection

There are 8 secondary disinfection stations operated by Metro Vancouver. The purpose of these stations is to increase the chlorine residual in the water transmission and distribution systems to meet a target residual based on a number of factors, including source water turbidity, the amount of bacterial regrowth detected in member jurisdiction distribution system samples and the chlorine demand in the water. The rate of chlorine decay is lower in the areas receiving filtered water from the SCFP and consequently, lower chlorine dosage levels are required to maintain desired chlorine residual levels. The target chlorine dose leaving the secondary facilities receiving SCFP water is 0.8 mg/L. These facilities frequently have an incoming chlorine residual high enough that boosting is not required. The target chlorine dose leaving the secondary facilities receiving CWTP water ranges from 1.20 to 1.50 mg/L.

Table 8 summarizes the performance of the secondary disinfection facilities in 2021.

| Facility | Branch Main | Average Free Chlorine (mg/L) | Range of Free Chlorine (mg/L) | Discussion |
|-------------------|--------------------------|------------------------------|-------------------------------|--|
| Clayton | Whalley/Clayton | 1.21 | 1.02 – 1.54 | Supplied by Coquitlam water. Station was shut down for one day to replace existing connection to City of Surrey. |
| | Jericho/Clayton | 1.23 | 0.95 – 1.61 | |
| Chilco/Alberni | Capilano No. 4 and No.5 | 0.74 | 0.61 – 0.83 | Supplied by SCFP water. Station was out of service periodically throughout the year due to power outages and water main isolations. |
| Pitt River | Haney Main No.2 | 1.23 | 0.88 – 1.52 | Supplied by Coquitlam water. Station was out of service periodically throughout the year due to power issues and piping breaks. |
| | Haney Main No.3 | 1.23 | 1.01 – 1.53 | |
| Newton | Surrey Hickleton Main | 0.99 | 0.38 – 1.34 | Primarily supplied by SCFP water. Power loss for a few hours caused both metering pumps to fault. |
| Kersland | Capilano No. 4 and No.5 | 0.89 | 0.67 – 1.10 | Supplied by SCFP water. The Sodium Hypochlorite Solution injection piping was replaced in May. Station was off for 2 weeks. |
| Central Park | South Burnaby Main No.1 | 0.77 | 0.70 – 1.04 | Primarily supplied by SCFP water. Station was off for 2 days in March for main repairs. |
| | South Burnaby Main No.2 | 0.90 | 0.65 – 1.39 | |
| Cape Horn | Coquitlam Main No.2 | 1.24 | 0.93 – 1.53 | Supplied by Coquitlam water. Station was out of service for 1.5 hours after a loss of power in March. Main No. 2 was dosed using Main No. 3 system after a break in piping. Repairs made and systems returned to normal after 2 days. |
| | Coquitlam Main No.3 | 1.24 | 0.79 – 1.51 | |
| Vancouver Heights | Boundary Road Main No. 5 | 0.84 | 0.69 – 1.19 | Supplied by SCFP water. No operational issues. |

Table 8: Performance of Secondary Disinfection Facilities

2.4. Corrosion Control

Metro Vancouver’s Corrosion Control Program began in the 1990s and involves several steps to reduce pipe corrosion. As part of the current Corrosion Control Program: Copper Pipes Protection initiative, further changes in pH and alkalinity were made in June 2021 to help reduce pipe corrosion through the addition of natural minerals.

The untreated water from all three sources had a pH lower than the limit of the GCDWQ of pH 7.0.

In the SCFP process, filtered water is dosed with hydrated lime (calcium bicarbonate) to raise its pH and alkalinity before it enters the clearwells. To achieve the desired alkalinity, the resultant pH is trimmed using CO₂ to bring it down to target levels

At the Coquitlam source, the commissioning of the CO₂ system at the CWTP began in 2019 and was fully operational in 2021. The CO₂ system with the addition of soda ash allows the GVWD to meet new target pH and alkalinity values across the entire system. Similar to the SCFP, the CO₂ system is used to trim the resultant pH to desired target levels.

The average pH of the treated water leaving Seymour Capilano and Coquitlam Water Treatment Plants was 8.2 and 8.1, respectively, during 2021.

Performance of the corrosion control facilities is summarized in Table 9.

| Facility | Performance | Discussion |
|------------------------|--------------------------|---|
| SCFP Corrosion Control | pH ranged from 7.4 – 8.9 | The annual average pH was 8.2 and was continually monitored with online instrumentation. The pH target changed from 7.7 to 8.4 in June 2021 to enhance corrosion control. |
| CWTP Corrosion Control | pH ranged from 6.7 – 9.4 | The annual average pH was 8.1. On a couple of occasions in January the pH was <7.0 for a short period due to a soda ash equipment fault. In April and December, the pH was > 9 for a short period. In April it was due to complications with the carbon dioxide dosing. In December it was related to a failure with the soda ash system. |

Table 9: Performance of Corrosion Control Facilities

The chemical and physical characteristics of the GVWD treated water are summarized in Appendix A of this report and detailed analytical results are provided in Volume II.

3.0 TRANSMISSION/DISTRIBUTION SYSTEM WATER QUALITY

Schedule A of the *BC Drinking Water Protection Regulation* (BCDWPR) contains standards for the bacteriological quality of potable water in the Province. There are three components of this standard that apply to large utilities such as GVWD and its member jurisdictions. These are:

Part 1: No sample should be positive for *E. coli*.

Part 2: Not more than 10% of the samples in a 30-day period should be positive for total coliform bacteria when more than 1 sample is collected.

Part 3: No sample should contain more than 10 total coliform bacteria per 100 mL.

The BCDWPR does not contain any water standards other than the three limits for *E. coli* and total coliform bacteria. Information on the significance of the detection of these organisms can be found in the GCDWQ – Supporting Documents, specifically:

“E. coli is a member of the total coliform group of bacteria and is the only member that is found exclusively in the faeces of humans and other animals. Its presence in water indicates not only recent faecal contamination of the water but also the possible presence of intestinal disease-causing bacteria, viruses and protozoa.”

“The presence of total coliform bacteria in water in the distribution system (but not in water leaving the treatment plant) indicates that the distribution system may be vulnerable to contamination or may simply be experiencing bacterial regrowth.”

To summarize, the detection of an *E. coli* bacteria in a sample of treated water is an indication of a potentially serious risk. The detection of total coliform bacteria may indicate intrusion into the system, or it may indicate that these bacteria are growing in the distribution system itself (regrowth).

The number of *E. coli* detected in both GVWD and member jurisdiction drinking water samples is typically very low. Out of more than 26,000 samples collected from GVWD and member jurisdiction systems analyzed in 2021, one sample was positive for *E. coli*. The detection of a positive *E. coli* sample triggers a protocol which involves immediate notification to health and member jurisdiction officials, re-sampling, and a thorough investigation into the possible causes.

In the GVWD transmission system, only 11 out of the approximately 6,600 samples collected, tested positive for total coliforms. Only 30 of the approximately 20,000 samples collected from the member jurisdiction distribution systems tested positive for total coliforms in 2021. The majority of the coliforms (67%) in the member jurisdiction systems appeared in the warmer water months of June through October.

The most likely source of these organisms can be attributed to bacterial regrowth. It should be emphasized that 99.8% of the samples in 2021 had no coliforms present, which is a good indicator of effective water treatment and good transmission and distribution system water quality.

3.1. Microbiological Water Quality in the GVWD System

3.1.1. GVWD Water Mains

Water quality in GVWD water mains is monitored from the point leaving the source and throughout the transmission system. In 2021, there were approximately 4,400 samples collected and tested for the presence of indicator bacteria. The percentage of samples from the GVWD water mains that were positive for total coliform bacteria was very low, well below the 10% standard. Of the approximately 4,400 samples processed, only 9 samples tested positive for total coliforms and no samples were positive for *E. coli* bacteria. The compliance of monitoring results from GVWD water mains with the criteria in the BCDWPR is shown in Figure 5.

There were another 540 samples collected from stations where only chlorine residuals are measured. In addition, there are inline stations collecting data every 10-minutes after chlorination at each source, but these samples are not included in the calculations for compliance monitoring.

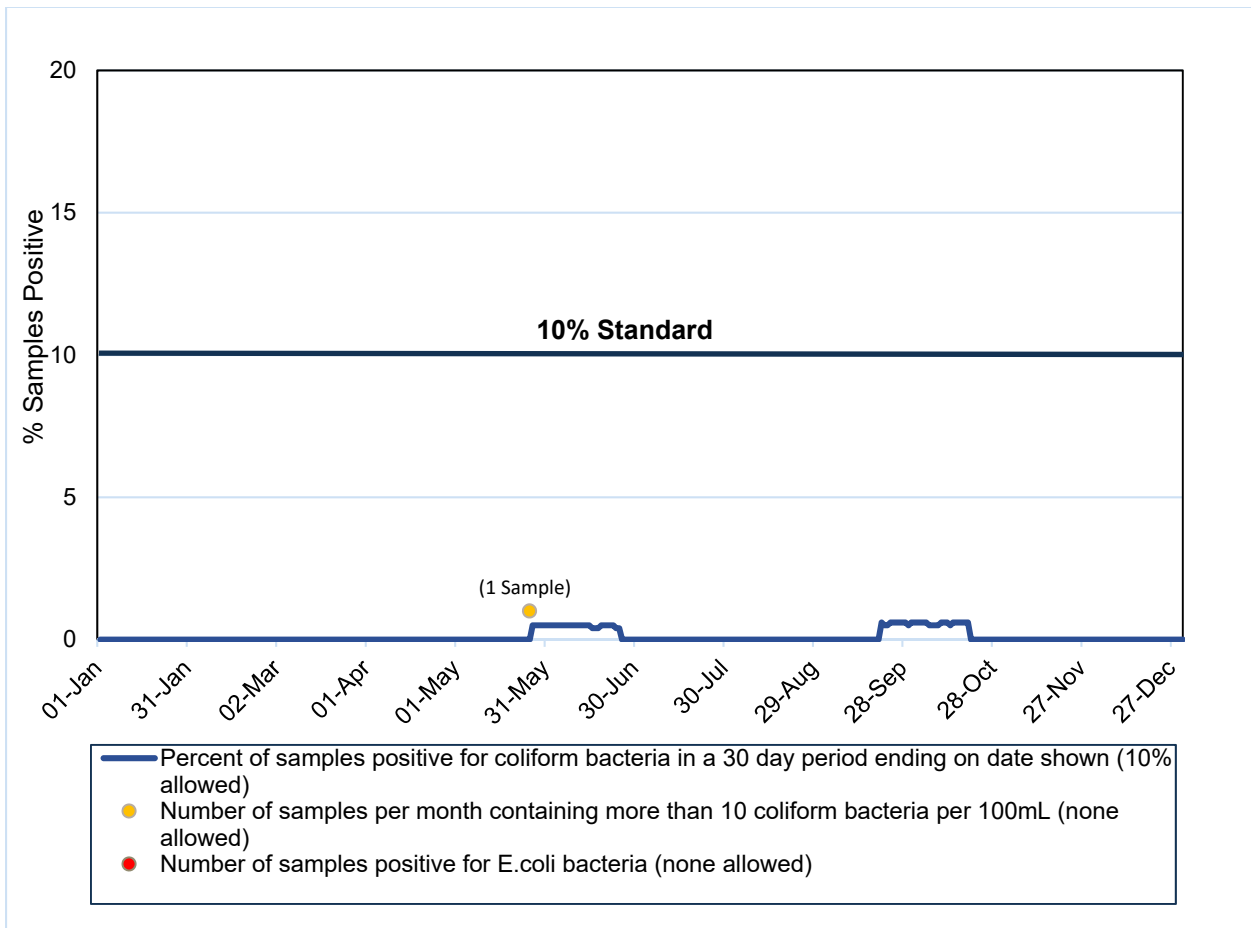


Figure 5: Bacteriological Quality of Water in GVWD Water Mains

3.1.2. GVWD Reservoirs

In 2021, over 2,200 samples were collected from 21 reservoirs and tanks that are located throughout the GVWD water system. Only 2 samples were positive for total coliforms. No sample from a reservoir was positive for *E. coli*.

The compliance of 2021 monitoring results from GVWD reservoirs with the criteria in the BCDWPR is shown in Figure 6.

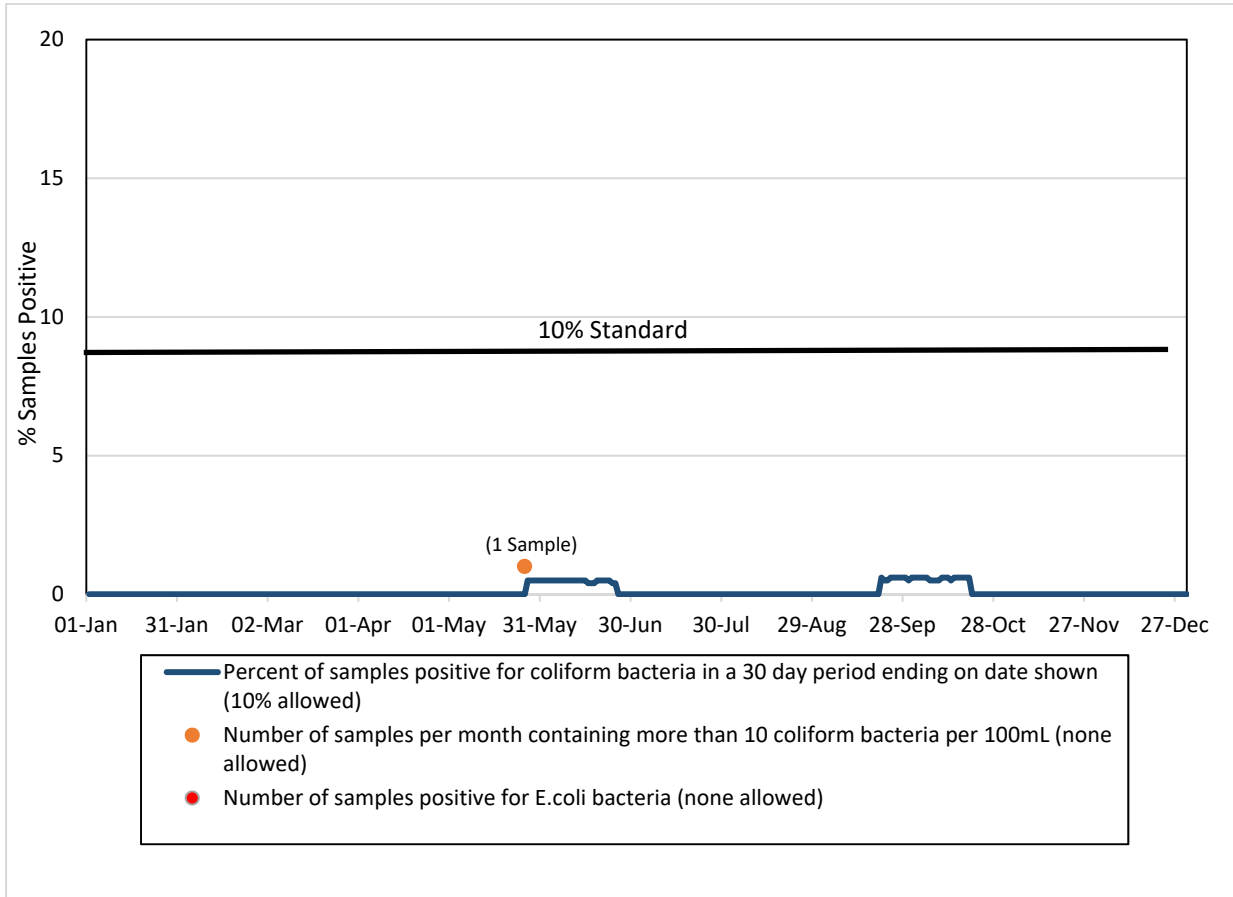


Figure 6: Bacteriological Quality of Water in GVWD Reservoirs

Reservoir water quality is optimized by the use of secondary disinfection coupled with an active reservoir exercising program that includes a minimum of weekly monitoring of chlorine residuals and bacteriology results, which can result in changes to filling levels, if necessary.

In 2021, the first of two cells of the new Jericho Reservoir was commissioned and placed into service on August 30. The reservoir will service the growing needs of the Township of Langley. The second cell is expected to be commissioned in 2022. Total storage at this facility will be 20 million litres.

Table 10 provides an overview of the status of the GVWD reservoirs from 2018 to 2021. During certain times of the year, it is not possible to cycle reservoirs as much as would be desired due to operational constraints. Despite these constraints, water quality as determined by coliform bacteria was satisfactory in all reservoirs.

| Reservoir (Capacity in Million Litres) | Average Free Chlorine (mg/L) | | | | Discussion |
|---|------------------------------|------|------|------|---|
| | 2018 | 2019 | 2020 | 2021 | |
| Burnaby Mountain Reservoir (13.2) | 0.49 | 0.53 | 0.57 | 0.53 | Inspection by divers for conditions in April. Remained in operation. |
| Burnaby Tank (2.3) | 0.54 | 0.58 | 0.60 | 0.57 | No operational issues |
| Cape Horn Reservoir (40.0) | 0.78 | 0.61 | 0.78 | 0.71 | No operational issues |
| Central Park Reservoir (35.0) | 0.53 | 0.51 | 0.66 | 0.54 | No operational issues |
| Clayton Reservoir (21.6) | 1.1 | 1.02 | 1.08 | 1.1 | Cell 1 was out of service January 1 to May 10. Cell 2 removed from service October 12 to maintain water quality due to seasonal low demand. |
| Glenmore Tanks (1.0) | 0.66 | 0.68 | 0.77 | 0.73 | No operational issues |
| Grandview Reservoir (13.5) | 0.71 | 0.73 | 0.80 | 0.85 | No operational issues |
| Greenwood Reservoir (8.8) | 0.66 | 0.68 | 0.75 | 0.70 | No operational issues |
| Hellings Tank (4.3) | 0.47 | 0.48 | 0.54 | 0.56 | No operational issues |
| Jericho Reservoir (20.0) | NA | NA | NA | 1.10 | New reservoir. Cell 1 was disinfected and was in operation starting on August 30. |
| Kennedy Reservoir (16.3) | 0.56 | 0.52 | 0.58 | 0.65 | No operational issues |
| Kersland Reservoir (73.7) | 0.55 | 0.55 | 0.66 | 0.65 | Reservoir No.1 removed from service in October for upgrades until Spring 2022. No Operational issues with other cell. |
| Little Mountain Reservoir (171.0) | 0.64 | 0.67 | 0.72 | 0.69 | No operational issues |
| Maple Ridge Reservoir (20.0) | 0.53 | 0.52 | 0.44 | 0.46 | No operational issues |
| Newton Reservoir (32.0) | 0.45 | 0.46 | 0.55 | 0.44 | No operational issues |
| Pebble Hill Reservoir (42.2) | 0.63 | 0.60 | 0.66 | 0.54 | Cell 1 was out of service January 1 to July 12. Cell 1 was out of service October 17 to maintain water quality due to seasonal low demand and for seismic upgrade work. No Operational issues with other cells. |
| Prospect Reservoir (4.4) | 0.64 | 0.66 | 0.76 | 0.73 | No operational issues |
| Sasamat Reservoir (26.0) | 0.54 | 0.54 | 0.65 | 0.62 | No operational issues |
| Sunnyside Reservoir (22.7) | 0.58 | 0.47 | 0.73 | 0.85 | Cell 1 was investigated by divers in March. Cell 2 was cleaned, inspected, and disinfected in November. |
| Vancouver Heights Reservoir (43.0) | 0.66 | 0.75 | 0.82 | 0.78 | The reservoir was cleaned by divers in February while remaining in service. |
| Westburnco Reservoir (73.0) | 0.58 | 0.58 | 0.64 | 0.60 | No operational issues |
| Whalley Reservoir (33.4) | 0.60 | 0.59 | 0.73 | 0.71 | No operational issues |

Table 10: Status of GVWD Reservoirs (2018-2021)

3.2. Microbiological Water Quality in Member Jurisdiction Systems

For samples collected from member jurisdiction systems, the percent positive per month for total coliform bacteria from 2018-2021 is shown in Figure 7.

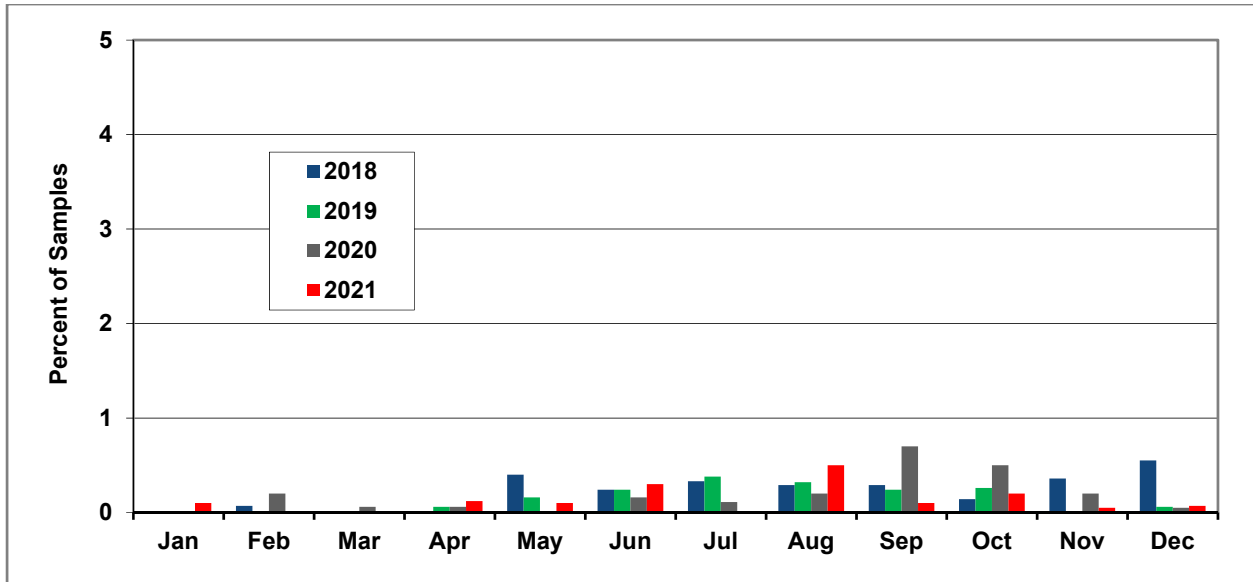


Figure 7: Percent of Samples per Month Positive for Total Coliform Bacteria (2018 to 2021)

The percentage of samples positive for total coliform bacteria in 2021 remained relatively similar as compared to 2020.

Schedule A of the BCDWPR contains standards for the bacteriological quality of potable water in the Province. There are three components of this standard that apply to local governments:

Part 1: No sample should be positive for *E. coli*.

Part 2: Not more than 10% of the samples in a 30-day period should be positive for total coliform bacteria when more than 1 sample is collected.

Part 3: No sample should contain more than 10 total coliform bacteria per 100 mL.

For samples from member jurisdiction systems, this requirement was met in 2021 with the following exceptions:

- One sample in January contained more than 10 total coliform bacteria.
- One sample in June contained more than 10 total coliform bacteria.
- One sample in October was positive for *E. coli*.

Table 11 shows the compliance with the bacteriological standards (3 parts) in the BCDWPR for samples taken within the distribution systems of the 20 member jurisdictions that are supplied with GVWD water.

| Month | Number that met Part 1 | Number that met Part 2 | Number that met Part 3 | Number that met all requirements |
|-----------|------------------------|------------------------|------------------------|----------------------------------|
| January | 20 | 20 | 19 | 19 |
| February | 20 | 20 | 20 | 20 |
| March | 20 | 20 | 20 | 20 |
| April | 20 | 20 | 20 | 20 |
| May | 20 | 20 | 20 | 20 |
| June | 20 | 20 | 19 | 19 |
| July | 20 | 20 | 20 | 20 |
| August | 20 | 20 | 20 | 20 |
| September | 20 | 20 | 20 | 20 |
| October | 19 | 20 | 20 | 19 |
| November | 20 | 20 | 20 | 20 |
| December | 20 | 20 | 20 | 20 |

Table 11: Member Jurisdiction Water Quality Compared to the Provincial Bacteriological Standards

3.3. Disinfection By-Products in the Transmission/Distribution Systems

As the treated water moves through the GVWD Transmission system and into the member jurisdiction distribution system’s infrastructure of pipes and reservoirs, changes in water quality occur. This is mainly due to the reaction between the chlorine in the water (added during primary and secondary disinfection) and naturally occurring organic matter in the water.

One of the most significant changes is the production of chlorinated disinfection by-products (DBPs). DBPs is a term used to describe a group of organic and inorganic compounds formed during water disinfection.

Reactions between dissolved natural organic matter and chlorine can lead to the formation of a variety of halogenated DBPs. There are two major groups of chlorinated DBPs: Total Trihalomethanes (TTHMs) and Total Haloacetic Acids (THAA₅). Factors that affect DBP formation include: amount of chlorine added to water, reaction time, concentration and characteristics of dissolved organic materials (precursors), water temperature, and water pH. In general, DBPs continue to form as long as chlorine and reactive DBP precursors are present in the water.

The Maximum Acceptable Concentration (MAC) in the GCDWQ for TTHMs is a locational yearly running average of 100 ppb (0.1 mg/L) based on quarterly samples. A comparison of TTHM levels in the GVWD and member jurisdiction systems in 2021 is shown in Figure 8. All THM results from GVWD water mains and member jurisdiction systems were below the MAC of 100 ppb.



2021 Average GVWD TTHM = 22 ppb
 2021 Average Member Jurisdictions TTHM = 31 ppb

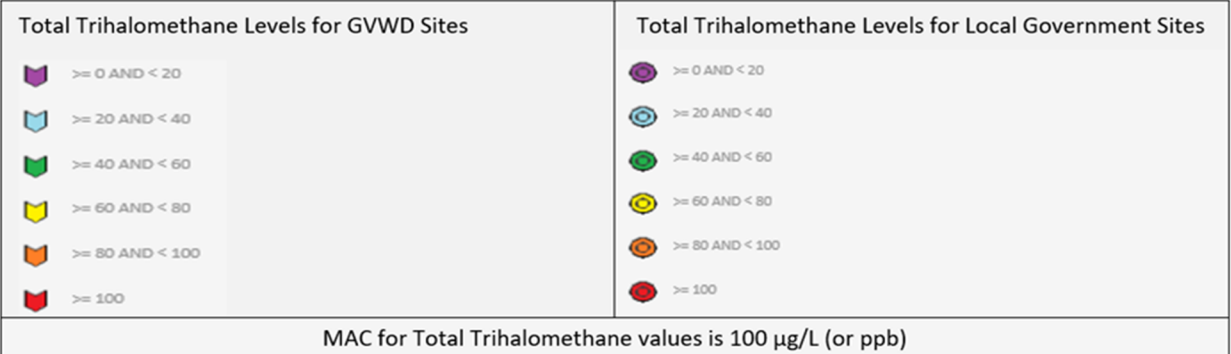


Figure 8: Average Total Trihalomethane Levels

The other group of disinfection by-products of interest is the Total Haloacetic Acid (THAA₅) group. Comparison of THAA₅ in the GVWD and member jurisdiction systems in 2021 is shown in Figure 9. In 2021, all HAA results from GVWD water mains and member jurisdiction systems were below the MAC of 80 ppb.

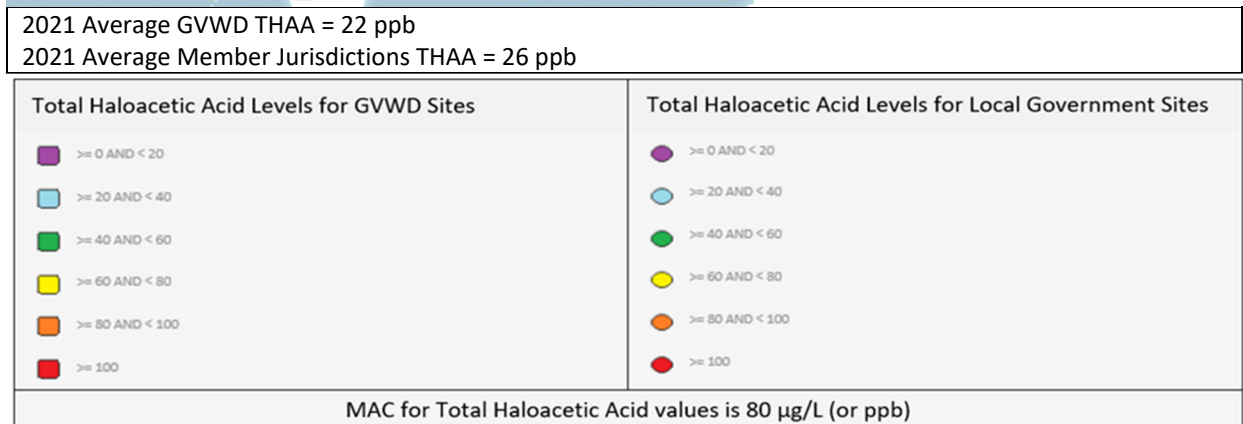
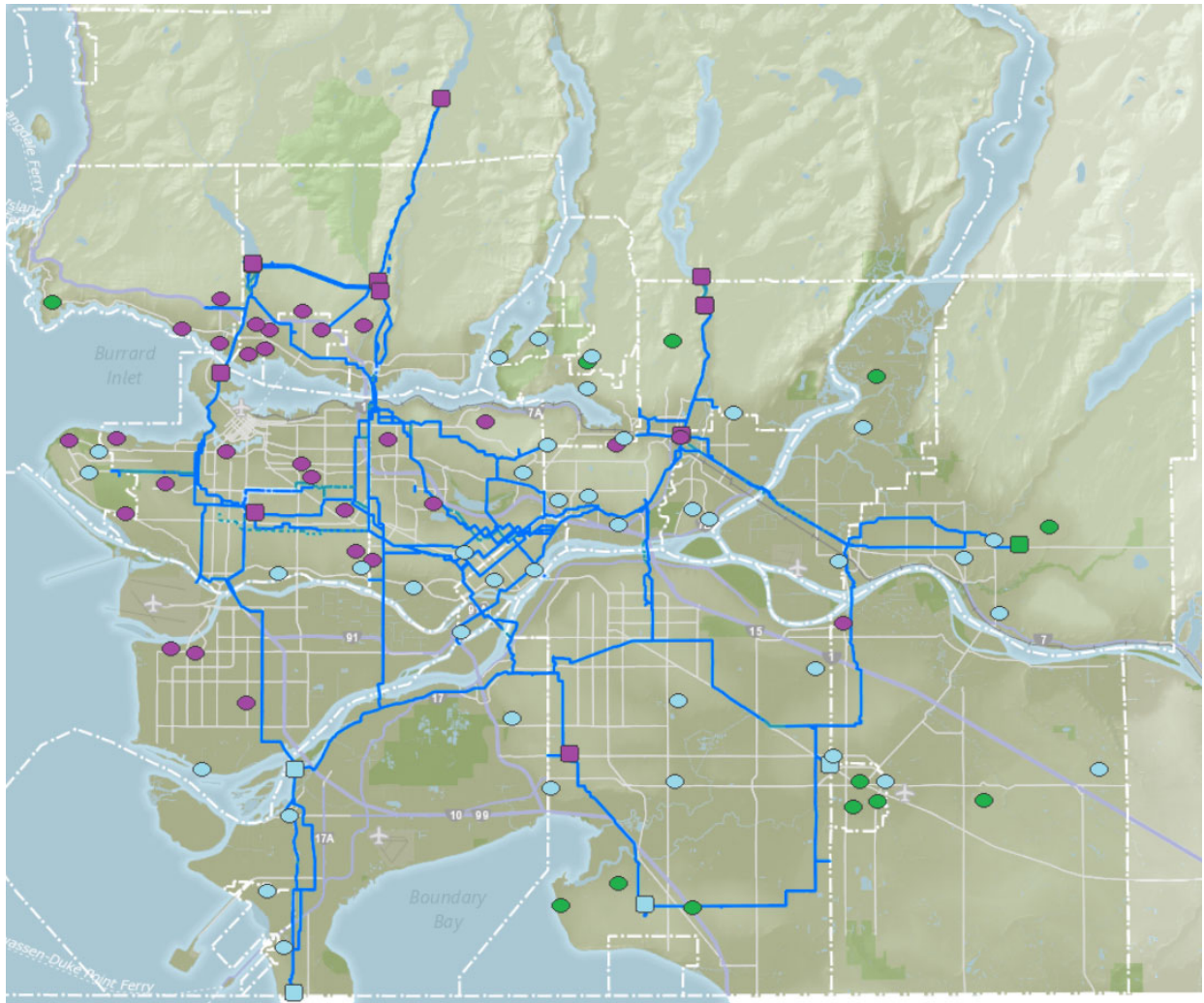


Figure 9: Average Total Haloacetic Acid Levels

4.0 QUALITY CONTROL/QUALITY ASSURANCE

In 1994, as required by a new BC Ministry of Health program, the bacteriology section of the GVWD Laboratory received approval from the Provincial Medical Health Officer to perform bacteriological analysis of potable water as required in the BCDWPR. An ongoing requirement of this approval is successful participation in the provincial Clinical Microbiology Proficiency Testing Program, or its equivalent. Representatives of the Approval Committee for Bacteriology Laboratories have carried out an inspection of the GVWD Laboratory facilities at the Lake City Operations Centre in February 2019 as part of the process leading up to approval of the laboratory by the Provincial Health Officer. The next inspection is scheduled for 2022.

In addition to the approval process discussed above, the GVWD Laboratory is accredited by the Canadian Association for Laboratory Accreditation (CALA) for the analysis of parameters for which the laboratory has requested certification. The GVWD Laboratory has been inspected by representatives from CALA bi-annually since 1995.

Accreditation for the laboratory from the Standards Council of Canada was first received early in 1996 and continued until the middle of 2005, when accreditation was granted by CALA directly.

The most recent on-site audit took place in September 2021, and CALA is expected to issue accreditation approval in Spring 2022. The next CALA inspection will take place in the fall of 2023.

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APPENDIX A — CHEMICAL AND PHYSICAL ANALYSIS SUMMARIES

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Physical and Chemical Analysis of Water Supply

2021 – Capilano Water System

| Parameter | Untreated | Treated | | Canadian Guideline | | |
|--|-----------|---------|-------------|--------------------|-------------|--------------------|
| | Average | Average | Range | Days Exceeded | Limit | Reason Established |
| Alkalinity as CaCO ₃ (mg/L) | 2.8 | 16 | 9.0-25 | | none | |
| Aluminum Dissolved (µg/L) | 76 | 34 | 19-63 | | none | |
| Aluminum Total (µg/L) | 164 | 35 | 19-81 | | none | |
| Antimony Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 6 | Health |
| Arsenic Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 10 | Health |
| Barium Total (µg/L) | 2.9 | 2.5 | 1.8-2.9 | 0 | 1000 | Health |
| Boron Total (µg/L) | <10 | <10 | <10 | 0 | 5000 | Health |
| Bromate (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 0.1 | Health |
| Bromide (mg/L) | <0.01 | <0.01 | <0.01 | | none | |
| Cadmium Total (µg/L) | <0.2 | <0.2 | <0.2 | 0 | 5 | Health |
| Calcium Total (µg/L) | 1140 | 6210 | 3980-9320 | | none | |
| Carbon Organic - Dissolved (mg/L) | 1.8 | 0.7 | 0.5-1.0 | | none | |
| Carbon Organic - Total (mg/L) | 1.8 | 0.7 | 0.5-1.0 | | none | |
| Chlorate (mg/L) | <0.01 | 0.03 | 0.02-0.04 | 0 | 1 | Health |
| Chloride (mg/L) | <0.5 | 2.4 | 2.0-3.1 | 0 | =250 | Aesthetic |
| Chromium Total (µg/L) | <0.1 | <0.05 | <0.05 | 0 | 50 | Health |
| Cobalt Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Color - Apparent (ACU) | 16 | <2 | <2-3 | | none | |
| Color - True (TCU) | 11 | <1 | <1-2 | 0 | =15 | Aesthetic |
| Conductivity (µmhos/cm) | 10 | 41 | 30-55 | | none | |
| Copper Total (µg/L) | 2.1 | <0.5 | <0.5 | 0 | =1000 | Aesthetic |
| Cyanide Total (mg/L) | <0.02 | <0.02 | <0.02 | 0 | 0.2 | Health |
| Fluoride (mg/L) | <0.05 | <0.05 | <0.05 | 0 | 1.5 | Health |
| Hardness as CaCO ₃ (mg/L) | 3.5 | 16.6 | 10.5-24.3 | | none | |
| Iron Dissolved (µg/L) | 34 | <5 | <5-5 | | none | |
| Iron Total (µg/L) | 121 | <6 | <5-13 | 0 | =300 | Aesthetic |
| Lead Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 5 | Health |
| Magnesium Total (µg/L) | 166 | 185 | 147-241 | | none | |
| Manganese Dissolved (µg/L) | 3.9 | 1.6 | 0.7-3.3 | | none | |
| Manganese Total (µg/L) | 5.4 | 3.6 | 1.4-7.0 | 0 | =50 | Aesthetic |
| Mercury Total (µg/L) | <0.05 | <0.05 | <0.05 | 0 | 1 | Health |
| Molybdenum Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nickel Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nitrogen - Ammonia as N (mg/L) | <0.02 | <0.02 | <0.02 | | none | |
| Nitrogen - Nitrate as N (mg/L) | 0.07 | 0.06 | 0.04-0.10 | 0 | 45 | Health |
| Nitrogen - Nitrite as N (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 1 | Health |
| pH (pH units) | 6.5 | 7.7 | 7.4-8.2 | 0 | 7.0 to 10.5 | Aesthetic |
| Phenol (mg/L) | <0.005 | <0.005 | <0.005 | | none | |
| Phosphorus Dissolved (µg/L) | <10 | <10 | <10 | | none | |
| Phosphorus Total (µg/L) | <10 | <10 | <10 | | none | |
| Potassium Total (µg/L) | 150 | 150 | 124-169 | | none | |
| Residue Total (mg/L) | 15 | 28 | 21-37 | | none | |
| Residue Total Dissolved (mg/L) | 10 | 30 | 20-40 | 0 | =500 | Aesthetic |
| Residue Total Fixed (mg/L) | 9 | 22 | 15-31 | | none | |
| Residue Total Volatile (mg/L) | 6 | 6 | 4-9 | | none | |
| Selenium Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 50 | Health |
| Silica as SiO ₂ (mg/L) | 3.2 | 3.2 | 2.3-3.8 | | none | |
| Silver Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Sodium Total (µg/L) | 564 | 1570 | 1420-1760 | 0 | =200000 | Aesthetic |
| Sulphate (mg/L) | <0.6 | 1.0 | 0.7-1.3 | 0 | =500 | Aesthetic |
| Turbidity (NTU) | 1.7 | 0.13 | 0.06-0.24 | | none | |
| Turbidity IFE (NTU) | - | - | - | - | - | - |
| UV Absorbance 254 nm (Abs/cm) | 0.073 | 0.011 | 0.007-0.017 | | none | |
| Zinc Total (µg/L) | <3 | <3 | <3 | 0 | =5000 | Aesthetic |

These figures are averaged values from a number of laboratory analyses done throughout the year. Where the range is a single value no variation was measured for the samples analyzed. Average values containing one or more results below the detection limit are preceded with "<" symbol. Minimum range values than "<" denotes not detectable with the technique used for determination. Methods and terms are based on those of the most current on-line version of "Standard Methods for the Examination of Water and Waste Water". Untreated water is from the intake prior to the raw water tunnel, treated water is from a single site in the GVWD distribution system after the treated water tunnel and before the breakhead tank. Guidelines are taken from the most current Guidelines for Canadian Drinking Water Quality summary table updated in September 2020. Capilano Source was operational for 365 days in 2021.

¹*Treated turbidity guideline and the number of exceedances applies to Individual Filter Effluent readings; measured in events and not days.*

Physical and Chemical Analysis of Water Supply

2021 – Seymour Water System

| Parameter | Untreated | Treated | | Canadian Guideline | | |
|--|-----------|---------|-------------|--------------------|-------------|--------------------|
| | Average | Average | Range | Days Exceeded | Limit | Reason Established |
| Alkalinity as CaCO ₃ (mg/L) | 3.3 | 16 | 8.3-24 | | none | |
| Aluminum Dissolved (µg/L) | 69 | 34 | 19-63 | | none | |
| Aluminum Total (µg/L) | 130 | 35 | 20-76 | | none | |
| Antimony Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 6 | Health |
| Arsenic Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 10 | Health |
| Barium Total (µg/L) | 3.1 | 2.5 | 2.0-2.9 | 0 | 1000 | Health |
| Boron Total (µg/L) | <10 | <10 | <10 | 0 | 5000 | Health |
| Bromate (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 0.1 | Health |
| Bromide (mg/L) | <0.01 | <0.01 | <0.01 | | none | |
| Cadmium Total (µg/L) | <0.2 | <0.2 | <0.2 | 0 | 5 | Health |
| Calcium Total (µg/L) | 1550 | 6320 | 3980-9180 | | none | |
| Carbon Organic - Dissolved (mg/L) | 1.6 | 0.7 | 0.5-1.0 | | none | |
| Carbon Organic - Total (mg/L) | 1.7 | 0.7 | 0.5-1.0 | | none | |
| Chlorate (mg/L) | <0.01 | 0.03 | 0.02-0.04 | 0 | 1 | Health |
| Chloride (mg/L) | <0.5 | 2.4 | 2.0-3.1 | 0 | =250 | Aesthetic |
| Chromium Total (µg/L) | <0.07 | <0.05 | <0.05 | 0 | 50 | Health |
| Cobalt Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Color - Apparent (ACU) | 17 | <2 | <2-3 | | none | |
| Color - True (TCU) | 11 | <1 | <1-1 | 0 | =15 | Aesthetic |
| Conductivity (µmhos/cm) | 12 | 41 | 29-55 | | none | |
| Copper Total (µg/L) | 29.4 | <0.6 | <0.5-1.1 | 0 | =1000 | Aesthetic |
| Cyanide Total (mg/L) | <0.02 | <0.02 | <0.02 | 0 | 0.2 | Health |
| Fluoride (mg/L) | <0.05 | <0.05 | <0.05 | 0 | 1.5 | Health |
| Hardness as CaCO ₃ (mg/L) | 4.5 | 16.7 | 10.6-23.9 | | none | |
| Iron Dissolved (µg/L) | 63 | <6 | <5-29 | | none | |
| Iron Total (µg/L) | 162 | <8 | <5-29 | 0 | =300 | Aesthetic |
| Lead Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 5 | Health |
| Magnesium Total (µg/L) | 154 | 186 | 148-238 | | none | |
| Manganese Dissolved (µg/L) | 4.2 | 3.0 | 1.9-4.6 | | none | |
| Manganese Total (µg/L) | 6.2 | 4.0 | 2.2-6.2 | 0 | =50 | Aesthetic |
| Mercury Total (µg/L) | <0.05 | <0.05 | <0.05 | 0 | 1 | Health |
| Molybdenum Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nickel Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nitrogen - Ammonia as N (mg/L) | <0.02 | <0.02 | <0.02 | | none | |
| Nitrogen - Nitrate as N (mg/L) | 0.06 | 0.06 | 0.03-0.10 | 0 | 45 | Health |
| Nitrogen - Nitrite as N (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 1 | Health |
| pH (pH units) | 6.5 | 7.7 | 7.3-8.1 | 0 | 7.0 to 10.5 | Aesthetic |
| Phenol (mg/L) | <0.005 | <0.005 | <0.005 | | none | |
| Phosphorus Dissolved (µg/L) | <10 | <10 | <10 | | none | |
| Phosphorus Total (µg/L) | <10 | <10 | <10 | | none | |
| Potassium Total (µg/L) | 150 | 142 | 123-169 | | none | |
| Residue Total (mg/L) | 16 | 28 | 22-37 | | none | |
| Residue Total Dissolved (mg/L) | 10 | 30 | 20-40 | 0 | =500 | Aesthetic |
| Residue Total Fixed (mg/L) | 9 | 21 | 12-32 | | none | |
| Residue Total Volatile (mg/L) | 7 | 7 | 5-11 | | none | |
| Selenium Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 50 | Health |
| Silica as SiO ₂ (mg/L) | 3.1 | 3.1 | 2.3-3.8 | | none | |
| Silver Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Sodium Total (µg/L) | 534 | 1550 | 1400-1720 | 0 | =200000 | Aesthetic |
| Sulphate (mg/L) | 1.1 | 1.0 | 0.7-1.3 | 0 | =500 | Aesthetic |
| Turbidity (NTU) | 1.1 | 0.13 | 0.06-0.21 | | none | |
| Turbidity IFE (NTU) | - | - | - | - | - | - |
| UV Absorbance 254 nm (Abs/cm) | 0.070 | 0.011 | 0.008-0.017 | | none | |
| Zinc Total (µg/L) | <4 | <3 | <3 | 0 | =5000 | Aesthetic |

These figures are averaged values from a number of laboratory analyses done throughout the year. Where the range is a single value no variation was measured for the samples analyzed. Average values containing one or more results below the detection limit are preceded with "<" symbol. Minimum range values than "<" denotes not detectable with the technique used for determination. Methods and terms are based on those of the most current on-line version of "Standard Methods for the Examination of Water and Waste Water". Untreated water is from a sample site prior to coagulation, treated water is from a sample site downstream of the SCFP clearwell. Guidelines are taken from the most current Guidelines for Canadian Drinking Water Quality summary table updated in September 2020. Seymour Source was operational for 365 days in 2021.

¹Treated turbidity guideline and the number of exceedances applies to Individual Filter Effluent readings; measured in events and not days.

Physical and Chemical Analysis of Water Supply

2021 – Coquitlam Water System

| Parameter | Untreated | Treated | | Canadian Guideline | | |
|--|-----------|---------|-------------|--------------------|-------------|--------------------|
| | Average | Average | Range | Days Exceeded | Limit | Reason Established |
| Alkalinity as CaCO ₃ (mg/L) | 1.9 | 16 | 7.1-23 | | none | |
| Aluminum Dissolved (µg/L) | 68 | 70 | 61-85 | | none | |
| Aluminum Total (µg/L) | 94 | 94 | 77-141 | | none | |
| Antimony Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 6 | Health |
| Arsenic Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 10 | Health |
| Barium Total (µg/L) | 2.2 | 2.2 | 1.9-2.4 | 0 | 1000 | Health |
| Boron Total (µg/L) | <10 | <10 | <10 | 0 | 5000 | Health |
| Bromate (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 0.1 | Health |
| Bromide (mg/L) | <0.01 | <0.01 | <0.01 | | none | |
| Cadmium Total (µg/L) | <0.2 | <0.2 | <0.2 | 0 | 5 | Health |
| Calcium Total (µg/L) | 836 | 836 | 752-899 | | none | |
| Carbon Organic - Dissolved (mg/L) | 1.6 | 1.5 | 1.2-2.0 | | none | |
| Carbon Organic - Total (mg/L) | 1.7 | 1.5 | 1.2-2.0 | | none | |
| Chlorate (mg/L) | <0.01 | 0.06 | 0.03-0.10 | 0 | 1 | Health |
| Chloride (mg/L) | <0.5 | 2.2 | 1.8-2.7 | 0 | =250 | Aesthetic |
| Chromium Total (µg/L) | <0.05 | <0.05 | <0.05-0.06 | 0 | 50 | Health |
| Cobalt Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Color - Apparent (ACU) | 13 | <2 | <2-3 | | none | |
| Color - True (TCU) | 9 | <1 | <1-1 | 0 | =15 | Aesthetic |
| Conductivity (µmhos/cm) | 8 | 37 | 24-50 | | none | |
| Copper Total (µg/L) | 4.7 | <0.5 | <0.5-0.6 | 0 | =1000 | Aesthetic |
| Cyanide Total (mg/L) | <0.02 | <0.02 | <0.02 | 0 | 0.2 | Health |
| Fluoride (mg/L) | <0.05 | <0.05 | <0.05 | 0 | 1.5 | Health |
| Hardness as CaCO ₃ (mg/L) | 2.5 | 2.5 | 2.3-2.6 | | none | |
| Iron Dissolved (µg/L) | 22 | 24 | 12-64 | | none | |
| Iron Total (µg/L) | 57 | 58 | 31-150 | 0 | =300 | Aesthetic |
| Lead Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 5 | Health |
| Magnesium Total (µg/L) | 97 | 98 | 86-110 | | none | |
| Manganese Dissolved (µg/L) | 4.2 | 2.6 | 1.5-4.2 | | none | |
| Manganese Total (µg/L) | 4.5 | 3.8 | 2.0-7.4 | 0 | =50 | Aesthetic |
| Mercury Total (µg/L) | <0.05 | <0.05 | <0.05 | 0 | 1 | Health |
| Molybdenum Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nickel Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Nitrogen - Ammonia as N (mg/L) | <0.02 | <0.02 | <0.02 | | none | |
| Nitrogen - Nitrate as N (mg/L) | 0.07 | 0.08 | 0.04-0.10 | 0 | 45 | Health |
| Nitrogen - Nitrite as N (mg/L) | <0.01 | <0.01 | <0.01 | 0 | 1 | Health |
| pH (pH units) | 6.3 | 7.9 | 7.1-8.7 | 0 | 7.0 to 10.5 | Aesthetic |
| Phenol (mg/L) | <0.005 | <0.005 | <0.005 | | none | |
| Phosphorus Dissolved (µg/L) | <10 | <10 | <10 | | none | |
| Phosphorus Total (µg/L) | <10 | <10 | <10 | | none | |
| Potassium Total (µg/L) | 108 | 109 | 106-112 | | none | |
| Residue Total (mg/L) | 12 | 30 | 21-36 | | none | |
| Residue Total Dissolved (mg/L) | 10 | 30 | 20-40 | 0 | =500 | Aesthetic |
| Residue Total Fixed (mg/L) | 6 | 20 | 12-26 | | none | |
| Residue Total Volatile (mg/L) | 6 | 10 | 7-13 | | none | |
| Selenium Total (µg/L) | <0.5 | <0.5 | <0.5 | 0 | 50 | Health |
| Silica as SiO ₂ (mg/L) | 2.5 | 2.5 | 2.2-2.8 | | none | |
| Silver Total (µg/L) | <0.5 | <0.5 | <0.5 | | none | |
| Sodium Total (µg/L) | 462 | 8010 | 5110-10600 | 0 | =200000 | Aesthetic |
| Sulphate (mg/L) | <0.5 | <0.6 | <0.5-0.7 | 0 | =500 | Aesthetic |
| Turbidity (NTU) | 0.50 | 0.43 | 0.18-1.9 | | none | |
| UV 254 - Apparent (Abs/cm) | 0.071 | 0.023 | 0.015-0.060 | | none | |
| UV Absorbance 254 nm (Abs/cm) | 0.065 | 0.019 | 0.013-0.022 | | none | |
| Zinc Total (µg/L) | <3 | <3 | <3 | 0 | =5000 | Aesthetic |

These figures are averaged values from a number of laboratory analyses done throughout the year. Where the range is a single value no variation was measured for the samples analyzed. Average values containing one or more results below the detection limit are preceded with "<" symbol. Minimum range values than "<" denotes not detectable with the technique used for determination. Methods and terms are based on those of the most current on-line version of "Standard Methods for the Examination of Water and Waste Water". Untreated water is from the intake prior to treatment, treated water is from a single site in the GVWD distribution system downstream of CWTP. Guidelines are taken from the most current Guidelines for Canadian Drinking Water Quality summary table updated in September 2020. Recommended turbidity guidelines applies to finished treated water from an un-filtered source. Coquitlam source was operational for 365 days in 2021.

APPENDIX B — ANALYSIS OF WATER FOR ORGANIC/INORGANIC COMPONENTS AND RADIONUCLIDES

Analysis of Source Waters for Herbicides, Pesticides, Volatile Organic Compounds and Uranium

| Parameter | Units | Date Sampled | MAC | AO | Capilano | Seymour | Coquitlam |
|---|-------|---------------------|------|-------|----------|---------|-----------|
| Atrazine | µg/L | 06/23/21 | 5 | | <1.0 | <1.0 | <1.0 |
| Azinphos-Methyl | µg/L | 06/23/21 | 20 | | <1.0 | <1.0 | <1.0 |
| benzene | µg/L | 09/24/21 | 5 | | <0.50 | <0.50 | <0.50 |
| Benzo(a)pyrene | µg/L | 12/07/21 | 0.04 | | <0.0050 | <0.0050 | <0.0050 |
| Bromoxynil | µg/L | 06/23/21 | 5 | | <0.50 | <0.50 | <0.50 |
| Carbaryl | µg/L | 06/23/21 | 90 | | <5.0 | <5.0 | <5.0 |
| Carbofuran | µg/L | 06/23/21 | 90 | | <5.0 | <5.0 | <5.0 |
| Carbon tetrachloride | µg/L | 09/24/21 | 2 | | <0.50 | <0.50 | <0.50 |
| Chlorpyrifos (Dursban) | µg/L | 06/23/21 | 90 | | <2.0 | <2.0 | <2.0 |
| Cyanobacterial toxins- Microcystin-LR | µg/L | April – Nov 2021 | 1.5 | | <0.20 | <0.20 | <0.20 |
| Diazinon | µg/L | 06/23/21 | 20 | | <2.0 | <2.0 | <2.0 |
| Dicamba | µg/L | 06/23/21 | 120 | | <0.50 | <0.50 | <0.50 |
| Dichlorobenzene, 1,2- | µg/L | 09/24/21 | 200 | ≤ 3 | <0.50 | <0.50 | <0.50 |
| Dichlorobenzene, 1,4- | µg/L | 09/24/21 | 5 | ≤ 1 | <0.50 | <0.50 | <0.50 |
| Dichloroethane, 1,2- | µg/L | 09/24/21 | 5 | | <0.50 | <0.50 | <0.50 |
| Dichloroethylene, 1,1- | µg/L | 09/24/21 | 14 | | <0.50 | <0.50 | <0.50 |
| Dichloromethane | µg/L | 09/24/21 | 50 | | <1.0 | <1.0 | <1.0 |
| Dichlorophenol, 2,4- | µg/L | 06/23/21 | 900 | ≤ 0.3 | <0.10 | <0.10 | <0.10 |
| Dichlorophenoxyacetic acid,2,4-(2,4-D) | µg/L | 06/23/21 | 100 | | <0.50 | <0.50 | <0.50 |
| Diclofop-methyl | µg/L | 06/23/21 | 9 | | <0.90 | <0.90 | <0.90 |
| Dimethoate | µg/L | 06/23/21 | 20 | | <2.0 | <2.0 | <2.0 |
| Diquat | µg/L | 06/23/21 | 70 | | <7.0 | <7.0 | <7.0 |
| Diuron | µg/L | 06/23/21 | 150 | | <10 | <10 | <10 |
| Ethylbenzene | µg/L | 09/24/21 | 140 | ≤ 1.6 | <0.50 | <0.50 | <0.50 |
| Glyphosate | µg/L | 06/23/21 | 280 | | <10 | <10 | <10 |
| Malathion | µg/L | 06/23/21 | 190 | | <2.0 | <2.0 | <2.0 |
| 2-Methyl-4- chlorophenoxyacetic acid (MCPA) | µg/L | 06/23/21 | 100 | | <0.50 | <0.50 | <0.50 |
| Methyl-tert-butyl ether [MTBE] | µg/L | 09/24/21 | None | ≤ 15 | <0.50 | <0.50 | <0.50 |
| Metolachlor | µg/L | 06/23/21 | 50 | | <5.0 | <5.0 | <5.0 |
| Metribuzin (Sencor) | µg/L | 06/23/21 | 80 | | <5.0 | <5.0 | <5.0 |
| Monochlorobenzene | µg/L | 09/24/21 | 80 | ≤ 30 | <0.50 | <0.50 | <0.50 |
| N-Nitrosodimethylamine (NDMA) | ng/L | 06/23/21 | 0.04 | | <1.9 | <1.9 | <2.0 |
| Nitrilotriacetic acid (NTA) | mg/L | 06/23/21 | 400 | | <0.050 | <0.050 | <0.050 |
| Paraquat | µg/L | 06/23/21 | 10 | | <1.0 | <1.0 | <1.0 |

Analysis of Source Waters for Herbicides, Pesticides, Volatile Organic Compounds and Uranium Con't

| Parameter | Units | Date Sampled | MAC | AO | Capilano | Seymour | Coquitlam |
|-----------------------------|-------|--------------|-----|------|----------|---------|-----------|
| Pentachlorophenol | µg/L | 06/23/21 | 60 | | <0.10 | <0.10 | <0.10 |
| Phorate | µg/L | 06/23/21 | 2 | | <1.0 | <1.0 | <1.0 |
| Picloram | µg/L | 06/23/21 | 190 | | <0.50 | <0.50 | <0.50 |
| Simazine | µg/L | 06/23/21 | 10 | | <2.0 | <2.0 | <2.0 |
| Terbufos | µg/L | 06/23/21 | 1 | | <1.0 | <1.0 | <1.0 |
| tetrachloroethylene | µg/L | 09/24/21 | 10 | | <0.50 | <0.50 | <0.50 |
| Tetrachlorophenol, 2,3,4,6- | µg/L | 06/23/21 | 100 | ≤ 1 | <0.10 | <0.10 | <0.10 |
| Toluene | µg/L | 09/24/21 | 60 | 24 | <0.40 | <0.40 | <0.40 |
| Trichloroethylene | µg/L | 09/24/21 | 5 | | <0.50 | <0.50 | <0.50 |
| Trichlorophenol, 2,4,6- | µg/L | 06/23/21 | 5 | ≤ 2 | <0.10 | <0.10 | <0.10 |
| Trifluralin | µg/L | 06/23/21 | 45 | | <5.0 | <5.0 | <5.0 |
| Uranium (Total) | µg/L | 06/21/21 | 20 | | 0.0323 | 0.0230 | 0.0460 |
| Vinyl chloride | µg/L | 09/24/21 | 2 | | <0.40 | <0.40 | <0.40 |
| Xylenes, total | µg/L | 09/24/21 | 90 | ≤ 20 | <0.50 | <0.50 | <0.50 |

Monitoring of Selected GVWD Water Mains for BTEXs

| Parameters | Units | MAC | AO | Maple Ridge Main at Reservoir | | Barnston Island Main at Willoughby PS | | Jericho-Clayton Main | | South Burnaby Main #2 | |
|---------------|-------|-----|-----|-------------------------------|--------|---------------------------------------|-------|----------------------|--------|-----------------------|-------|
| | | | | 10-Dec | 18-May | 17-May | 7-Dec | 19-May | 10-Dec | 18-May | 7-Dec |
| Benzene | ppb | 5 | - | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Ethyl Benzene | ppb | 140 | 1.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Toluene | ppb | 60 | 24 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| Xylene Total | ppb | 90 | 20 | 1 | <1 | <1 | 1 | 1 | 1 | <1 | 1 |

Analysis of Source Water for PAH's

| Parameters | Units | Capilano | | Seymour | | Coquitlam | |
|--------------------------|-------|----------|---------|---------|---------|-----------|---------|
| | | 19-May | 07-Dec | 07-Dec | 17-May | 19-May | 07-Dec |
| acenaphthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| acenaphthylene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| acridine | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| anthracene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benz(a)anthracene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(a)pyrene | µg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| benzo(b+j)fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(b+j+k)fluoranthene | µg/L | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 |
| benzo(g,h,i)perylene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(k)fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| chrysene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| dibenz(a,h)anthracene | µg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| fluorene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| indeno(1,2,3-c,d)pyrene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| methylnaphthalene, 1- | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| methylnaphthalene, 2- | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| naphthalene | µg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| phenanthrene | µg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| pyrene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| quinoline | µg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |

Analysis of Selected GVWD Mains for PAHs

| Parameters | Units | Coquitlam Main #2 | Westburnco Reservoir | | Barnston Island | | Queensborough | | Whalley Kennedy Link Main | | Haney Main #2 | | 36th Ave Main |
|--------------------------|-------|-------------------|----------------------|---------|-----------------|---------|---------------|---------|---------------------------|---------|---------------|---------|---------------|
| | | 19-May | 9-Dec | 18-May | 7-Dec | 18-May | 9-Dec | 19-May | 9-Dec | 19-May | 9-Dec | 17-May | 7-Dec |
| acenaphthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| acenaphthylene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| acridine | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| anthracene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benz(a)anthracene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(a)pyrene | µg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | 0.0076 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| benzo(b+j)fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.012 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(b+j+k)fluoranthene | µg/L | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 | <0.015 |
| benzo(g,h,i)perylene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| benzo(k)fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| chrysene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | 0.016 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| dibenz(a,h)anthracene | µg/L | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | <0.0050 |
| fluoranthene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| fluorene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| indeno(1,2,3-c,d)pyrene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| methylnaphthalene, 1- | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| methylnaphthalene, 2- | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| naphthalene | µg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| phenanthrene | µg/L | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 | <0.020 |
| pyrene | µg/L | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 | <0.010 |
| quinoline | µg/L | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |

¹Benzo(a)pyrene is the only PAH compound that has guideline limit. Maximum Acceptable Concentration of Benzo(a)pyrene is 0.04µg/L

Monitoring of Source Waters for PFOS and PFOA

| Parameter | Sampling Date | Units | MAC | Capilano | Seymour | Coquitlam |
|-----------|---------------|-------|-----|----------|---------|-----------|
| PFOS | 07/30/2021 | µg/L | 600 | <0.010 | <0.010 | <0.010 |
| PFOA | 07/30/2021 | µg/L | 200 | <0.010 | <0.010 | <0.010 |

| Parameter | Sampling Date | Units | Capilano | Seymour | Coquitlam |
|--------------|---------------|-------|----------|---------|-----------|
| PFBA | 07/30/2021 | µg/L | <0.10 | <0.10 | <0.10 |
| PFPeA | 07/30/2021 | µg/L | <0.10 | <0.10 | <0.10 |
| PFHxA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFHpA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFOA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFNA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFDA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFUnA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFDoA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFTrDA | 07/30/2021 | µg/L | <0.0250 | <0.0250 | <0.0250 |
| PFTeDA | 07/30/2021 | µg/L | <0.025 | <0.025 | <0.025 |
| PFBS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFPeS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFHxS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFHpS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFOS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFNS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFDS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFDoS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| 4:2 FTS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| 6:2 FTS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| 8:2 FTS | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| PFOSA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| N-MeFOSA | 07/30/2021 | µg/L | <0.025 | <0.025 | <0.025 |
| N-EtFOSA | 07/30/2021 | µg/L | <0.025 | <0.025 | <0.025 |
| MeFOSAA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| EtFOSAA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| N-MeFOSE | 07/30/2021 | µg/L | <0.030 | <0.030 | <0.030 |
| N-EtFOSE | 07/30/2021 | µg/L | <0.030 | <0.030 | <0.030 |
| HFPO-DA | 07/30/2021 | µg/L | <0.20 | <0.20 | <0.20 |
| ADONA | 07/30/2021 | µg/L | <0.010 | <0.010 | <0.010 |
| 9CI-PF3ONS | 07/30/2021 | µg/L | <0.020 | <0.020 | <0.020 |
| 11CI-PF3OUdS | 07/30/2021 | µg/L | <0.020 | <0.020 | <0.020 |

Analysis of Source Water for Radioactivity

| Radioactivity | Units | Date Sampled | MAC ¹ | Capilano | Seymour | Coquitlam |
|---------------|-------|--------------|------------------|----------|----------|-----------|
| | | | | Activity | Activity | Activity |
| Cesium-134 | Bq/L | 09/22/21 | 7 | <0.33 | <0.37 | <0.42 |
| Cesium-137 | Bq/L | 09/22/21 | 10 | <0.37 | <0.35 | <0.34 |
| Cobalt-60 | Bq/L | 09/22/21 | 2 | <0.36 | <0.45 | <0.45 |
| Gross Alpha | Bq/L | 09/22/21 | <0.5 | <0.05 | <0.045 | <0.056 |
| Gross Beta | Bq/L | 09/22/21 | <1.0 | <0.097 | <0.097 | <0.093 |
| Iodine-131 | Bq/L | 09/22/21 | 6 | <1 | <1.1 | <0.97 |
| Lead-210 | Bq/L | 09/22/21 | 0.2 | <0.019 | <0.019 | <0.02 |
| Radium 226 | Bq/L | 09/22/21 | 0.5 | <0.0061 | <0.0081 | <0.0066 |
| Radon-222 | Bq/L | 11/22/21 | None | <4 | <3.9 | <3.9 |
| Strontium-90 | Bq/L | 09/22/21 | 5 | <0.0095 | <0.01 | <0.011 |
| Tritium | Bq/L | 09/22/21 | 7000 | <12 | <12 | <12 |
| Cesium-134 | Bq/L | 09/22/21 | 7 | <0.33 | <0.37 | <0.42 |

APPENDIX C — ANALYSIS OF SOURCE WATERS FOR THE RESERVOIR MONITORING PROGRAM

Comparison of Water Quality in GVWD Water Supply Sources to Standard Water Quality Classifications

| Chemical measurement ² | Average value ³ | | | | | Status of Reservoirs |
|--|---|---|--|---|---|---|
| | Ultra-oligotrophic status defined in the scientific literature ¹ | Oligotrophic status defined in the scientific literature ¹ | Capilano Reservoir 2014 – 2021 (2021 only in brackets) | Seymour Reservoir 2014 – 2021 (2021 only in brackets) | Coquitlam Reservoir 2014 – 2021 (2021 only in brackets) | |
| Total phosphorus (parts per billion) | 5 | 8.0 | 3.0 (4.0) | 3.0 (4.0) | 3.0 (4.0) | Ultraoligotrophic (very high water quality) |
| Total Nitrogen (parts per billion) | 250 | 661 | 125 (117) | 124 (96) | 129 (131) | Ultraoligotrophic (very high water quality) |
| Phytoplankton biomass (parts per billion of chlorophyll-a) | 0.5 | 1.7 | 0.41 (0.36) | 0.55 (0.46) | 0.54 (0.68) | Ultraoligotrophic (very high water quality) |

¹e.g. Wetzel, R.G. 2001 River Ecosystems. 3rd edition. Academic Press. New York.

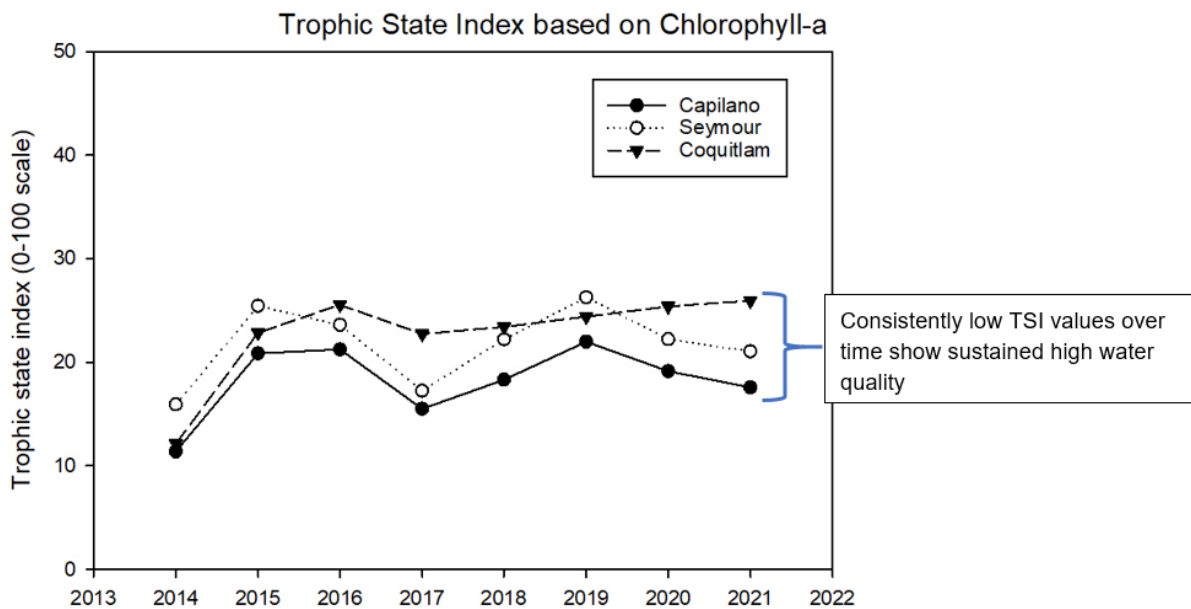
Ultraoligotrophic means very low nutrient content and very low biological production: very high water quality

Oligotrophic means low nutrient content and low biological production (low risk of algal blooms): high water quality

²Chemical measurements are defined as follows:

- Phosphorus and nitrogen are nutrients that primarily control the growth of algae, including cyanobacteria.
- Phytoplankton biomass includes cells of all algae and cyanobacteria species in a reservoir.

³Values are averages from all water depths during April through November of all years. Values in brackets are average values only from 2021.



APPENDIX D — REPORT TO METRO VANCOUVER ON *CRYPTOSPORIDIUM AND GIARDIA* STUDY

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Metro Vancouver **Detection of Waterborne *Cryptosporidium* and *Giardia***

January - December, 2021 **Annual Report**

January 2022

Dr. Natalie Prystajecky, Program Head
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Environmental Microbiology
BCCDC Public Health Laboratory
Provincial Health Services Authority

Metro Vancouver

Detection of Waterborne *Cryptosporidium* and *Giardia* January - December, 2021 Annual Report

Purpose

To detect and quantify *Cryptosporidium* oocysts and *Giardia* cysts from Metro Vancouver reservoirs, Capilano and Coquitlam, as well as from the Recycled Clarified Water (RCW) from Seymour-Capilano Filtration Plant (SCFP).

Introduction

Cryptosporidium and *Giardia* species are parasites that infect the intestinal tracts of a wide range of warm-blooded animals. In humans, infection with *Cryptosporidium* species or *Giardia lamblia* can cause gastroenteritis. Since *Cryptosporidium* oocysts and *Giardia* cysts are resistant to chlorination, they are of great concern for drinking water purveyors (1-3). On behalf of Metro Vancouver, the Environmental Microbiology Laboratory at BCCDC Public Health Laboratory (BCCDC PHL) examined the source water of Capilano and Coquitlam reservoirs, as well as Recycled Clarified Water (RCW) at the Seymour-Capilano Filtration Plant (SCFP) for the presence of *Cryptosporidium* oocysts and *Giardia* cysts. All sample collection, testing, analysis and reporting occurred on a monthly basis using a validated method.

Methods

The Environmental Microbiology Laboratory at BCCDC PHL follows the United States Environmental Protection Agency (USEPA) Method 1623.1: *Cryptosporidium* and *Giardia* in Water by Filtration/IMS/FA (4) for the detection of oocysts and cysts in water. As stated by Method 1623.1, the performance is based on the method applicable for the quantification of *Cryptosporidium* and *Giardia* in aqueous matrices. It requires the filtration of a large volume of water and immunomagnetic separation (IMS) to concentrate and purify the oocysts and cysts from sample material captured. After the IMS purification, immunofluorescence microscopy was performed to identify and enumerate oocysts and cysts. 4',6-diamidino-2-phenylindole staining (DAPI) and differential interference contrast microscopy (DIC) are used to confirm internal structures of the cysts and oocysts.

Raw water samples were collected by the Metro Vancouver staff at specific sampling sites at the reservoirs and filtration plants on the scheduled date each month. A desired volume of samples were filtered in the field using Pall Life Science Envirochek HV filters. After collection and filtration, the Envirochek HV filters were transported to the Environmental Microbiology Laboratory at BCCDC PHL, where they were processed and analysed within 96 hours. Positive and negative controls were included for the entire process to assess the performance of the method. Matrix spike testing was also performed at scheduled collection periods, annually for baseline assessment.

Results & Discussions

In 2021, 36 sample filters (excluding matrix spikes) were examined in total. These include:

- 12 Envirochek HV filters from Capilano reservoir
- 12 Envirochek HV filters from Coquitlam reservoir
- 12 Envirochek HV filters from SCFP-RCW

Table 1 and Figures 1-3 show the summary of all results. Detailed results per collection site can be found in Tables A1-A3 in Appendix A.

| | Capilano Reservoir | | Coquitlam Reservoir | | Seymour Capilano Filtration Plant – Recycled Clarified Water | |
|---|--------------------|---------|---------------------|---------|--|---------|
| # of Filters Tested | 12 | | 12 | | 12 | |
| Average volume (L) Filtered per Month | 50 | | 50 | | 770.9 | |
| Average Detection Limit (oo)cysts per 100 L | <2.0 | | <2.0 | | 0.31 | |
| | Cryptosporidium | Giardia | Cryptosporidium | Giardia | Cryptosporidium | Giardia |
| # Positive Filters | 0 | 3 | 0 | 3 | 0 | 0 |
| % Positive Filters | 0% | 25% | 0% | 25% | 0% | 0% |
| Max Count (oo)cysts per 100 L | 0 | 2 | 0 | 4 | 0 | 0 |

Table 1. Metro Vancouver Filter Result Summary in 2021

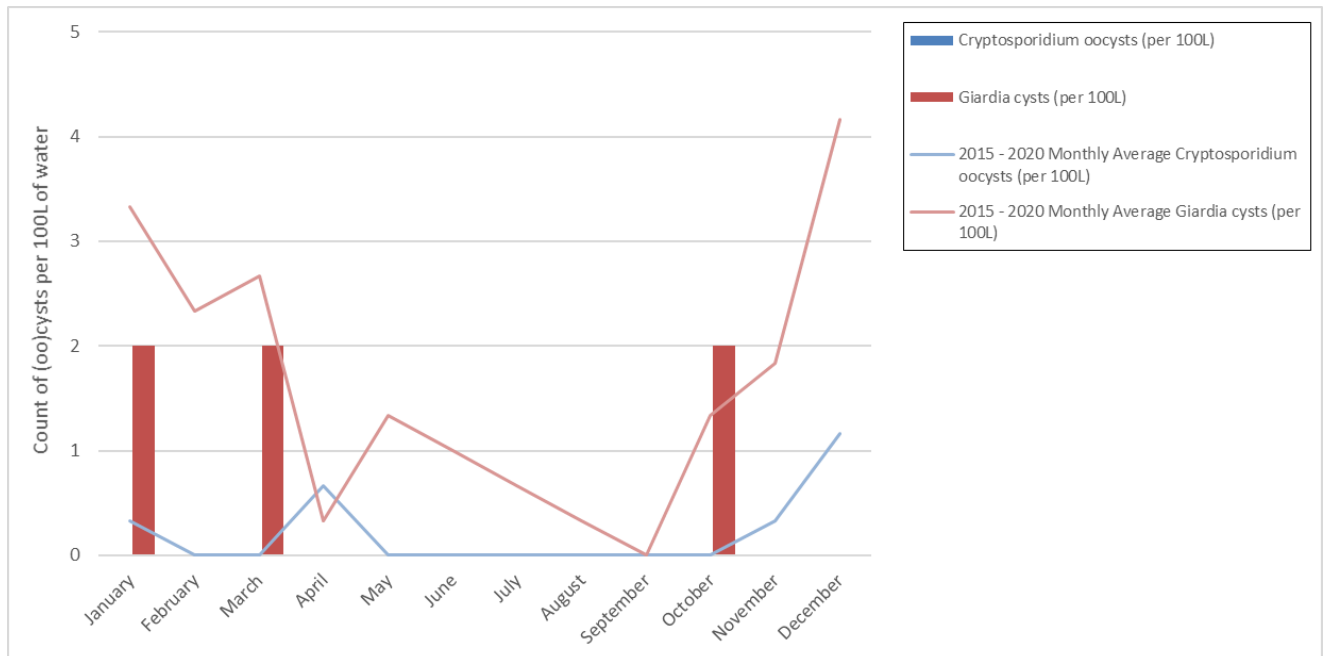


Figure 1. Capilano Reservoir *Cryptosporidium* Oocysts and *Giardia* Cysts Counts per 100 Litres of Raw Water in 2021

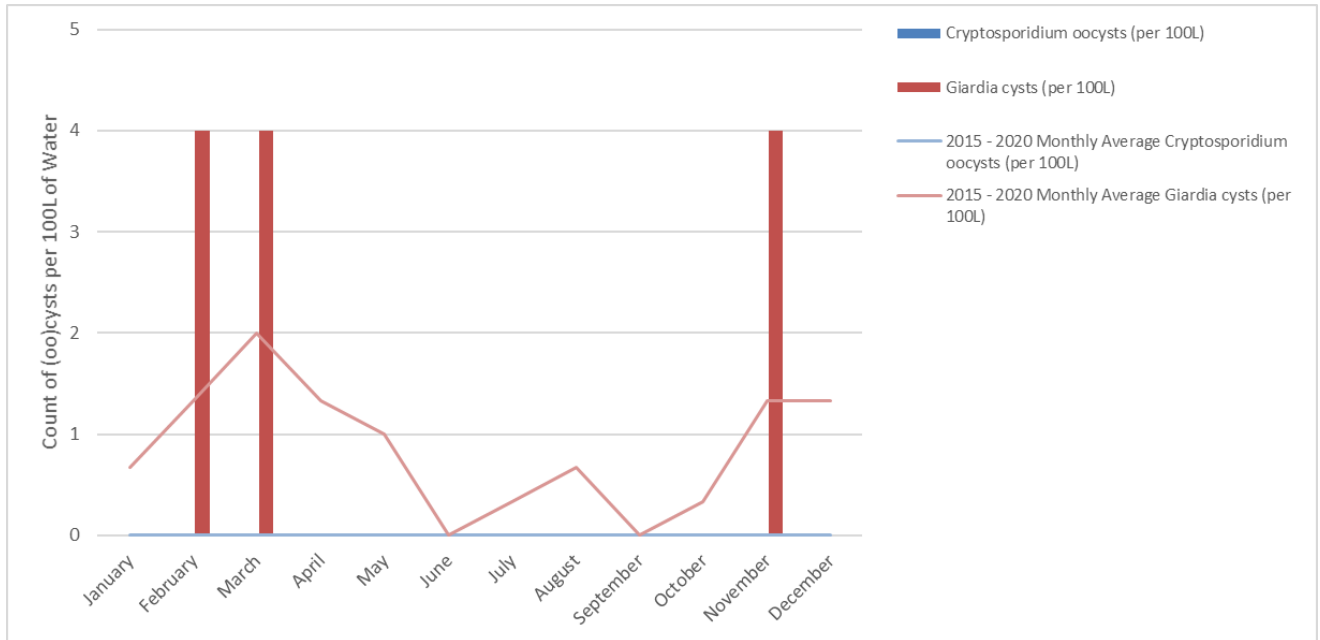


Figure 2: Coquitlam Reservoir *Cryptosporidium* Oocysts and *Giardia* Cysts Counts per 100 Litres of Raw Water in 2021

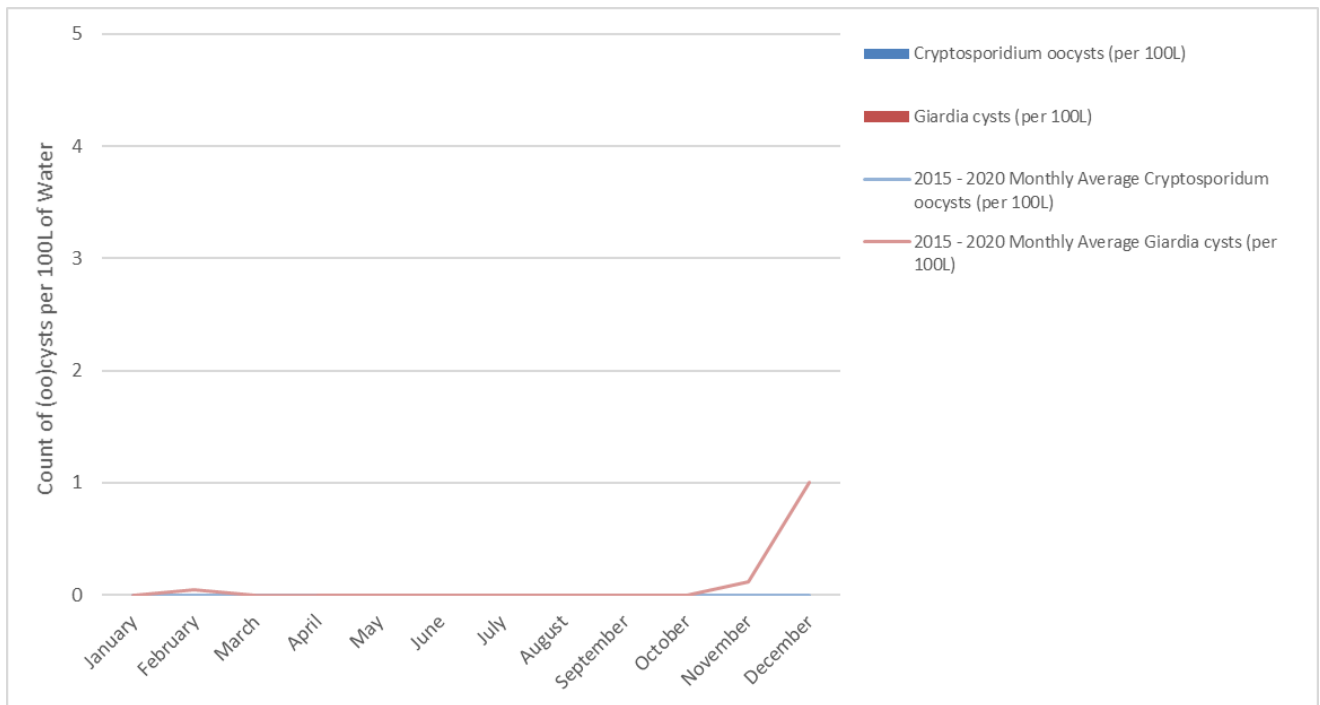


Figure 3: Seymour Capilano Filtration Plant - Recycled Clarified Water *Cryptosporidium* Oocysts and *Giardia* Cysts Counts per 100 Litres of Raw Water in 2021

Overall, similar trends were observed for both *Cryptosporidium* and *Giardia* in 2021, in comparison to historical data in 2015-2020.

DAPI staining is used as part of the confirmation of the internal structure of *Cryptosporidium* oocysts and *Giardia* cysts. DIC microscopy is used primarily for *Cryptosporidium* oocyst and *Giardia* cyst confirmation but it can also serve as an indicator of oocysts/cysts cytoplasm and cell wall integrity. While no median body (or axoneme) was observed for all *Giardia* cysts detected, the cytoplasm was observed indicating that the cysts were not empty and could be viable.

Summary of morphological results are listed in Tables 2 and 3. Detailed results for staining by IFA, DAPI and internal morphology, as determined through DIC microscopy, for every identified cyst and oocyst were recorded in Tables A4-A9 in Appendix A.

| Site | Count | DAPI - | DAPI + | | DIC | | |
|-----------|-------|---|--------------------------------|-------------------------|---------------|----------------------------------|--|
| | | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Nuclei stained sky blue | Empty oocysts | Oocysts with amorphous structure | Oocysts with internal structure, sporozoites |
| Capilano | 0 | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% |
| Coquitlam | 0 | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% |
| SCFP-RCW | 0 | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% |

Table 2. 2021 Summary of morphological results for *Cryptosporidium* oocysts observed under fluorescence microscope

| Site | Count | DAPI - | DAPI + | | Empty cysts | Cysts with amorphous structure | DIC | | |
|-----------|-------|---|--------------------------------|-------------------------|-------------|--------------------------------|-------------------------------|-------------|-----------|
| | | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Nuclei stained sky blue | | | Cysts with internal structure | | |
| | | | | | | | Nuclei | Median Body | Axoneme |
| Capilano | 3 | 1 33.3% | 0 0.0% | 2 66.7% | 0 0.0% | 3 100.0% | 0 0.0% | 0 0.0% | 0 0.0% |
| Coquitlam | 6 | 6 100.0% | 0 0.0% | 0 0.0% | 0 0.0% | 6 100.0% | 0 0.0% | 0 0.0% | 0 0.0% |
| SCFP-RCW | 0 | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% | 0 0.0% |

Table 3: 2021 Summary of morphological results for *Giardia* cysts observed under fluorescence microscope

DAPI staining is used as an indicator of nuclei integrity by staining the DNA. It can also approximate oocysts/cysts integrity; the absence of nuclei is indicative of an aged, damaged or non-infective cell. A number of oocysts and cysts observed across all sites had no visible nuclei indicating that they were aged and likely subjected to environmental degradation (Table 4). However, they were likely in previous infective state.

| Number of Nuclei per (oo)cyst | 0* | 1 | 2 | 3 | 4 | Total # of (oo)cysts |
|--------------------------------|----|---|---|---|---|----------------------|
| Cryptosporidium oocysts | | | | | | |
| Capilano | 0 | 0 | 0 | 0 | 0 | 0 |
| Coquitlam | 0 | 0 | 0 | 0 | 0 | 0 |
| SCFP-RCW | 0 | 0 | 0 | 0 | 0 | 0 |
| Giardia cysts | | | | | | |
| Capilano | 1 | 0 | 1 | 0 | 1 | 3 |
| Coquitlam | 6 | 0 | 0 | 0 | 0 | 6 |
| SCFP-RCW | 0 | 0 | 0 | 0 | 0 | 0 |

Table 4: 2021 Number of nuclei in each *Cryptosporidium* oocysts and *Giardia* cysts. *DAPI negative or only intense blue internal staining.

Due to the variations of water chemistry and organic matters between geographical area and temporally within each sampling sites, a matrix spike is performed annually to provide recovery rate estimation from each site. The results of the matrix spike recovery (2007-2021) are compiled in Table 5. Matrix recovery rates fluctuate from year-to-year, even within each site. This variation is not uncommon for the test and has been noted in USEPA's Method 1623.1.

Matrix testing in 2021 was completed in both summer and winter on two separate sampling events at each site. 50L were filtered from each site and the percentage recovery for *Cryptosporidium* oocysts and *Giardia* cysts and were noted in Table 5.

| Year | Capilano | | Coquitlam | | SCFP - Recycled Clarified Water | |
|-------------|----------------------------|--------------------|----------------------------|--------------------|---------------------------------|--------------------|
| | Cryptosporidium % Recovery | Giardia % Recovery | Cryptosporidium % Recovery | Giardia % Recovery | Cryptosporidium % Recovery | Giardia % Recovery |
| 2007 | 27.6% | 37.4% | 28.0% | 54.0% | Not collected | Not collected |
| 2008 | 25.0% | 55.0% | 28.0% | 39.0% | Not collected | Not collected |
| 2009 | 10.0% | 40.0% | 16.0% | 37.0% | Not collected | Not collected |
| 2010 | 28.0% | 43.0% | 26.0% | 49.0% | 17.0% | 13.0% |
| 2011 | 27.0% | 44.0% | 22.0% | 47.0% | 1.0% | 0.0% |
| 2012 | 38.4% | 76.5% | 35.0% | 49.0% | 7.0% | 13.7% |
| 2013 | 22.4% | 59.4% | 16.3% | 64.4% | 6.1% | 14.9% |
| 2014 | Not collected | Not collected | 55.0% | 39.4% | 18.0% | 14.1% |
| 2015 | 26.3% | 40.4% | 2.0% | 60.6% | 9.1% | 26.5% |
| 2016 | 35.4% | 47.5% | 22.2% | 50.5% | 9.1% | 14.0% |
| 2017 | 20.2% | 38.4% | 22.2% | 21.2% | 0.0% | 2.0% |
| 2018 | 43.4% | 75.8% | 17.1% | 59.6% | 1.0% | 11.1% |
| 2019 | 0.0% | 43.0% | 1.0% | 55.0% | 0.0% | 4.1% |
| 2020 | 5.1% | 37.4% | 8.1% | 59.8% | 0.0% | 4.0% |
| 2021 Summer | 2.0% | 53.0% | 0.0% | 35.0% | 5.1% | 38.0% |
| 2021 Winter | 11.1% | 52.0% | 15.2% | 80.0% | 0.0% | 8.0% |

Table 5: Matrix Results from 2007 - 2021

Summary

In brief, we reported:

1. Overall, a steady positivity rate was observed across all sites for both *Cryptosporidium* oocysts and *Giardia* cysts.
2. *Cryptosporidium* oocysts were not detected in Capilano reservoir, Coquitlam reservoir and SCFP-RCW.
3. *Giardia* cysts were detected in filters from Capilano and Coquitlam but not from SCFP-RCW. 25% of all filters received from Capilano were positive for *Giardia*, and 25% of all filters received from Coquitlam were positive for *Giardia*, and there were no *Giardia* cysts detected for SCFP-RCW.
4. The highest concentration of *Giardia* cysts detected in 2021 was from Coquitlam reservoir in February, March, and November (4 cysts per 100 L).

5. Most of the *Giardia* cysts detected showed evidence of environmental degradation.
6. Matrix recovery for *Cryptosporidium* oocyst continued to be low, which is consistent with previous years. The additional matrix collection in the summer did not confirm suspected seasonality variabilities for this year. Further summer matrix collections are recommended to continue this investigation.

These *semi-quantitative* data (reported oocyst and cyst levels) should be interpreted in the context of, and with the understanding that the current standard laboratory method, USEPA Method 1623.1, used for detecting and analysing parasites in water matrices has its limitations, with variable recovery rates depending on the water matrix and environmental conditions.

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Appendix A

| Lab # | Site Sampled | Month | Date Sampled | Volume filtered (L) | Detection Limit (per 100L) | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) | 2015 - 2020 Monthly Average | |
|---------------------|--------------------|-----------|--------------------|---------------------|----------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|
| | | | | | | | | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) |
| 8150 | Capilano Reservoir | January | January 17, 2021 | 50 | <2.0 | 0 | 2 | 0.3 | 3.3 |
| 8155 | Capilano Reservoir | February | February 21, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 2.3 |
| 8160 | Capilano Reservoir | March | March 14, 2021 | 50 | <2.0 | 0 | 2 | 0.0 | 2.7 |
| 8165 | Capilano Reservoir | April | April 18, 2021 | 50 | <2.0 | 0 | 0 | 0.7 | 0.3 |
| 8173 | Capilano Reservoir | May | May 16, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 1.3 |
| 8178 | Capilano Reservoir | June | June 20, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 1.0 |
| 8185 | Capilano Reservoir | July | July 18, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.7 |
| 8191 | Capilano Reservoir | August | August 15, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.3 |
| 8196 | Capilano Reservoir | September | September 19, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.0 |
| 8201 | Capilano Reservoir | October | October 3, 2021 | 50 | <2.0 | 0 | 2 | 0.0 | 1.3 |
| 8211 | Capilano Reservoir | November | November 14, 2021 | 50 | <2.0 | 0 | 0 | 0.3 | 1.8 |
| 8218 | Capilano Reservoir | December | December 12, 2021 | 50 | <2.0 | 0 | 0 | 1.2 | 4.2 |
| 2021 Average | | | | 50 | <2.0 | 0 | 0.5 | | |

Table A1. Capilano Reservoir Monthly Filter Results in 2021

| Lab # | Site Sampled | Month | Date Sampled | Volume filtered (L) | Detection Limit (per 100L) | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) | 2015 - 2020 Monthly Average | |
|---------------------|---------------------|-----------|--------------------|---------------------|----------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|
| | | | | | | | | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) |
| 8151 | Coquitlam Reservoir | January | January 17, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.7 |
| 8156 | Coquitlam Reservoir | February | February 21, 2021 | 50 | <2.0 | 0 | 4 | 0.0 | 1.3 |
| 8161 | Coquitlam Reservoir | March | March 14, 2021 | 50 | <2.0 | 0 | 4 | 0.0 | 2.0 |
| 8166 | Coquitlam Reservoir | April | April 18, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 1.3 |
| 8174 | Coquitlam Reservoir | May | May 16, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 1.0 |
| 8179 | Coquitlam Reservoir | June | June 20, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.0 |
| 8186 | Coquitlam Reservoir | July | July 18, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.3 |
| 8192 | Coquitlam Reservoir | August | August 15, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.7 |
| 8197 | Coquitlam Reservoir | September | September 19, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.0 |
| 8202 | Coquitlam Reservoir | October | October 3, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 0.3 |
| 8212 | Coquitlam Reservoir | November | November 14, 2021 | 50 | <2.0 | 0 | 4 | 0.0 | 1.3 |
| 8219 | Coquitlam Reservoir | December | December 12, 2021 | 50 | <2.0 | 0 | 0 | 0.0 | 1.3 |
| 2021 Average | | | | 50 | <2.0 | 0 | 1 | | |

Table A2. Coquitlam Reservoir Monthly Filter Results in 2021

| Lab # | Site Sampled | Month | Date Sampled | Volume filtered (L) | Detection Limit (per 100L) | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) | 2015 - 2020 Monthly Average | |
|---------------------|---------------------------------|-----------|--------------------|---------------------|----------------------------|------------------------------------|--------------------------|------------------------------------|--------------------------|
| | | | | | | | | Cryptosporidium oocysts (per 100L) | Giardia cysts (per 100L) |
| 8152 | SCFP - Recycled Clarified Water | January | January 19, 2021 | 3793.2 | <0.03 | 0 | 0 | 0.0 | 0.0 |
| 8157 | SCFP - Recycled Clarified Water | February | February 23, 2021 | 254.5 | <0.39 | 0 | 0 | 0.0 | 0.1 |
| 8162 | SCFP - Recycled Clarified Water | March | March 16, 2021 | 426 | <0.23 | 0 | 0 | 0.0 | 0.0 |
| 8167 | SCFP - Recycled Clarified Water | April | April 20, 2021 | 244.9 | <0.41 | 0 | 0 | 0.0 | 0.0 |
| 8175 | SCFP - Recycled Clarified Water | May | May 18, 2021 | 201.3 | <0.497 | 0 | 0 | 0.0 | 0.0 |
| 8180 | SCFP - Recycled Clarified Water | June | June 22, 2021 | 252.7 | <0.396 | 0 | 0 | 0.0 | 0.0 |
| 8187 | SCFP - Recycled Clarified Water | July | July 20, 2021 | 297.3 | <0.336 | 0 | 0 | 0.0 | 0.0 |
| 8193 | SCFP - Recycled Clarified Water | August | August 17, 2021 | 1716.8 | <0.058 | 0 | 0 | 0.0 | 0.0 |
| 8198 | SCFP - Recycled Clarified Water | September | September 21, 2021 | 296.5 | <0.337 | 0 | 0 | 0.0 | 0.0 |
| 8203 | SCFP - Recycled Clarified Water | October | October 5, 2021 | 1318 | <0.076 | 0 | 0 | 0.0 | 0.0 |
| 8213 | SCFP - Recycled Clarified Water | November | November 16, 2021 | 187 | <0.53 | 0 | 0 | 0.0 | 0.1 |
| 8220 | SCFP - Recycled Clarified Water | December | December 14, 2021 | 263 | <0.380 | 0 | 0 | 0.0 | 1.0 |
| 2021 Average | | | | 770.9 | 0.31 | 0 | 0 | | |

Table A3. Seymour Capilano Filtration Plant - Recycled Clarified Water (SCFP-RCW) Monthly Filter Results in 2021

| Lab # | Site name | Date sampled | Giardia | | | | | | | | | | |
|-------|--------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|-------------|--------------------------------|------------------|-------------|---------|
| | | | Giardia | | | DAPI - | DAPI + | | | DIC | | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty cysts | Cysts with amorphous structure | Number of nuclei | Median Body | Axoneme |
| 8150 | Capilano Reservoir | January 17, 2021 | 1 | Oval | 12x9 | | | 4 | | P | | | |
| 8155 | Capilano Reservoir | February 21, 2021 | 0 | | | | | | | | | | |
| 8160 | Capilano Reservoir | March 14, 2021 | 1 | Oval | 13x9 | P | | | | P | | | |
| 8165 | Capilano Reservoir | April 18, 2021 | 0 | | | | | | | | | | |
| 8173 | Capilano Reservoir | May 16, 2021 | 0 | | | | | | | | | | |
| 8178 | Capilano Reservoir | June 20, 2021 | 0 | | | | | | | | | | |
| 8185 | Capilano Reservoir | July 18, 2021 | 0 | | | | | | | | | | |
| 8191 | Capilano Reservoir | August 15, 2021 | 0 | | | | | | | | | | |
| 8196 | Capilano Reservoir | September 19, 2021 | 0 | | | | | | | | | | |
| 8201 | Capilano Reservoir | October 3, 2021 | #1 | Oval | 12x5 | | | 2 | | P | | | |
| 8211 | Capilano Reservoir | November 14, 2021 | 0 | | | | | | | | | | |
| 8218 | Capilano Reservoir | December 12, 2021 | 0 | | | | | | | | | | |

Table A4. Capilano Reservoir Slide Examination Results - *Giardia* 2021 (P = present)

| Lab # | Site name | Date sampled | Giardia | | | | | | | | | | |
|-------|---------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|-------------|--------------------------------|------------------|-------------|---------|
| | | | Giardia | | | DAPI - | DAPI + | | | DIC | | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty cysts | Cysts with amorphous structure | Number of nuclei | Median Body | Axoneme |
| 8151 | Coquitlam Reservoir | January 17, 2021 | 0 | | | | | | | | | | |
| 8156 | Coquitlam Reservoir | February 21, 2021 | 1 | Oval | 13x9 | P | | | | P | | | |
| 8156 | Coquitlam Reservoir | February 21, 2021 | 2 | Oval | 15x10 | P | | | | P | | | |
| 8161 | Coquitlam Reservoir | March 14, 2021 | 1 | Oval | 13x7 | P | | | | P | | | |
| 8161 | Coquitlam Reservoir | March 14, 2021 | 2 | Oval | 10x5 | P | | | | P | | | |
| 8166 | Coquitlam Reservoir | April 18, 2021 | 0 | | | | | | | | | | |
| 8174 | Coquitlam Reservoir | May 16, 2021 | 0 | | | | | | | | | | |
| 8179 | Coquitlam Reservoir | June 20, 2021 | 0 | | | | | | | | | | |
| 8186 | Coquitlam Reservoir | July 18, 2021 | 0 | | | | | | | | | | |
| 8192 | Coquitlam Reservoir | August 15, 2021 | 0 | | | | | | | | | | |
| 8197 | Coquitlam Reservoir | September 19, 2021 | 0 | | | | | | | | | | |
| 8202 | Coquitlam Reservoir | October 3, 2021 | 0 | | | | | | | | | | |
| 8212 | Coquitlam Reservoir | November 14, 2021 | #1 | Oval | 15x9 | P | | | | P | | | |
| 8212 | Coquitlam Reservoir | November 14, 2021 | #2 | Oval | 10x7 | P | | | | P | | | |
| 8219 | Coquitlam Reservoir | December 12, 2021 | 0 | | | | | | | | | | |

Table A5. Coquitlam Reservoir Slide Examination Results - *Giardia* 2021 (P = present)

| Lab # | Site name | Date sampled | Giardia | | | | | | | | | | |
|-------|---------------------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|-------------|--------------------------------|------------------|-------------|---------|
| | | | Giardia | | | DAPI - | DAPI + | | | DIC | | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty cysts | Cysts with amorphous structure | Number of nuclei | Median Body | Axoneme |
| 8152 | SCFP - Recycled Clarified Water | January 19, 2021 | 0 | | | | | | | | | | |
| 8162 | SCFP - Recycled Clarified Water | March 16, 2021 | 0 | | | | | | | | | | |
| 8167 | SCFP - Recycled Clarified Water | April 20, 2021 | 0 | | | | | | | | | | |
| 8175 | SCFP - Recycled Clarified Water | May 18, 2021 | 0 | | | | | | | | | | |
| 8180 | SCFP - Recycled Clarified Water | June 22, 2021 | 0 | | | | | | | | | | |
| 8187 | SCFP - Recycled Clarified Water | July 20, 2021 | 0 | | | | | | | | | | |
| 8193 | SCFP - Recycled Clarified Water | August 17, 2021 | 0 | | | | | | | | | | |
| 8198 | SCFP - Recycled Clarified Water | September 21, 2021 | 0 | | | | | | | | | | |
| 8203 | SCFP - Recycled Clarified Water | October 5, 2021 | 0 | | | | | | | | | | |
| 8213 | SCFP - Recycled Clarified Water | November 16, 2021 | 0 | | | | | | | | | | |
| 8220 | SCFP - Recycled Clarified Water | December 14, 2021 | 0 | | | | | | | | | | |

Table A6. Seymour Capilano Filtration Plant – Recycled Clarified Water Slide Examination Results - *Giardia* 2021

| Lab # | Site name | Date sampled | Cryptosporidium | | | | | | | | |
|-------|--------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|---------------|----------------------------------|--|
| | | | Cryptosporidium | | | DAPI - | DAPI + | | DIC | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty oocysts | Oocysts with amorphous structure | Oocysts with internal structure, Number of sporozoites |
| 8150 | Capilano Reservoir | January 17, 2021 | 0 | | | | | | | | |
| 8155 | Capilano Reservoir | February 21, 2021 | 0 | | | | | | | | |
| 8160 | Capilano Reservoir | March 14, 2021 | 0 | | | | | | | | |
| 8165 | Capilano Reservoir | April 18, 2021 | 0 | | | | | | | | |
| 8173 | Capilano Reservoir | May 16, 2021 | 0 | | | | | | | | |
| 8178 | Capilano Reservoir | June 20, 2021 | 0 | | | | | | | | |
| 8185 | Capilano Reservoir | July 18, 2021 | 0 | | | | | | | | |
| 8191 | Capilano Reservoir | August 15, 2021 | 0 | | | | | | | | |
| 8196 | Capilano Reservoir | September 19, 2021 | 0 | | | | | | | | |
| 8201 | Capilano Reservoir | October 3, 2021 | 0 | | | | | | | | |
| 8211 | Capilano Reservoir | November 14, 2021 | 0 | | | | | | | | |
| 8218 | Capilano Reservoir | December 12, 2021 | 0 | | | | | | | | |

Table A7. Capilano Reservoir Slide Examination Results - *Cryptosporidium* 2021

| Lab # | Site name | Date sampled | Cryptosporidium | | | | | | | | |
|-------|---------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|---------------|----------------------------------|--|
| | | | Cryptosporidium | | | DAPI - | DAPI + | | DIC | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty oocysts | Oocysts with amorphous structure | Oocysts with internal structure, Number of sporozoites |
| 8151 | Coquitlam Reservoir | January 17, 2021 | 0 | | | | | | | | |
| 8156 | Coquitlam Reservoir | February 21, 2021 | 0 | | | | | | | | |
| 8161 | Coquitlam Reservoir | March 14, 2021 | 0 | | | | | | | | |
| 8166 | Coquitlam Reservoir | April 18, 2021 | 0 | | | | | | | | |
| 8174 | Coquitlam Reservoir | May 16, 2021 | 0 | | | | | | | | |
| 8179 | Coquitlam Reservoir | June 20, 2021 | 0 | | | | | | | | |
| 8186 | Coquitlam Reservoir | July 18, 2021 | 0 | | | | | | | | |
| 8192 | Coquitlam Reservoir | August 15, 2021 | 0 | | | | | | | | |
| 8197 | Coquitlam Reservoir | September 19, 2021 | 0 | | | | | | | | |
| 8202 | Coquitlam Reservoir | October 3, 2021 | 0 | | | | | | | | |
| 8212 | Coquitlam Reservoir | November 14, 2021 | 0 | | | | | | | | |
| 8219 | Coquitlam Reservoir | December 12, 2021 | 0 | | | | | | | | |

Table A8. Coquitlam Reservoir Slide Examination Results - *Cryptosporidium* 2021

| Lab # | Site name | Date sampled | Cryptosporidium | | | | | | | | |
|-------|---------------------------------|--------------------|----------------------|-----------------------|-----------------|---|--------------------------------|-----------------------------------|---------------|----------------------------------|--|
| | | | Cryptosporidium | | | DAPI - | DAPI + | | DIC | | |
| | | | Object located by FA | Shape (oval or round) | Size L x W (µm) | Light blue internal staining, no distinct nuclei, green rim | Intense blue internal staining | Number of nuclei stained sky blue | Empty oocysts | Oocysts with amorphous structure | Oocysts with internal structure, Number of sporozoites |
| 8152 | SCFP - Recycled Clarified Water | January 19, 2021 | 0 | | | | | | | | |
| 8157 | SCFP - Recycled Clarified Water | February 23, 2021 | 0 | | | | | | | | |
| 8162 | SCFP - Recycled Clarified Water | March 16, 2021 | 0 | | | | | | | | |
| 8167 | SCFP - Recycled Clarified Water | April 20, 2021 | 0 | | | | | | | | |
| 8175 | SCFP - Recycled Clarified Water | May 18, 2021 | 0 | | | | | | | | |
| 8180 | SCFP - Recycled Clarified Water | June 22, 2021 | 0 | | | | | | | | |
| 8187 | SCFP - Recycled Clarified Water | July 20, 2021 | 0 | | | | | | | | |
| 8193 | SCFP - Recycled Clarified Water | August 17, 2021 | 0 | | | | | | | | |
| 8198 | SCFP - Recycled Clarified Water | September 21, 2021 | 0 | | | | | | | | |
| 8203 | SCFP - Recycled Clarified Water | October 5, 2021 | 0 | | | | | | | | |
| 8213 | SCFP - Recycled Clarified Water | November 16, 2021 | 0 | | | | | | | | |
| 8220 | SCFP - Recycled Clarified Water | December 14, 2021 | 0 | | | | | | | | |

Table A9. Seymour Capilano Filtration Plant – Recycled Clarified Water Slide Examination Results - *Cryptosporidium* 2021

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