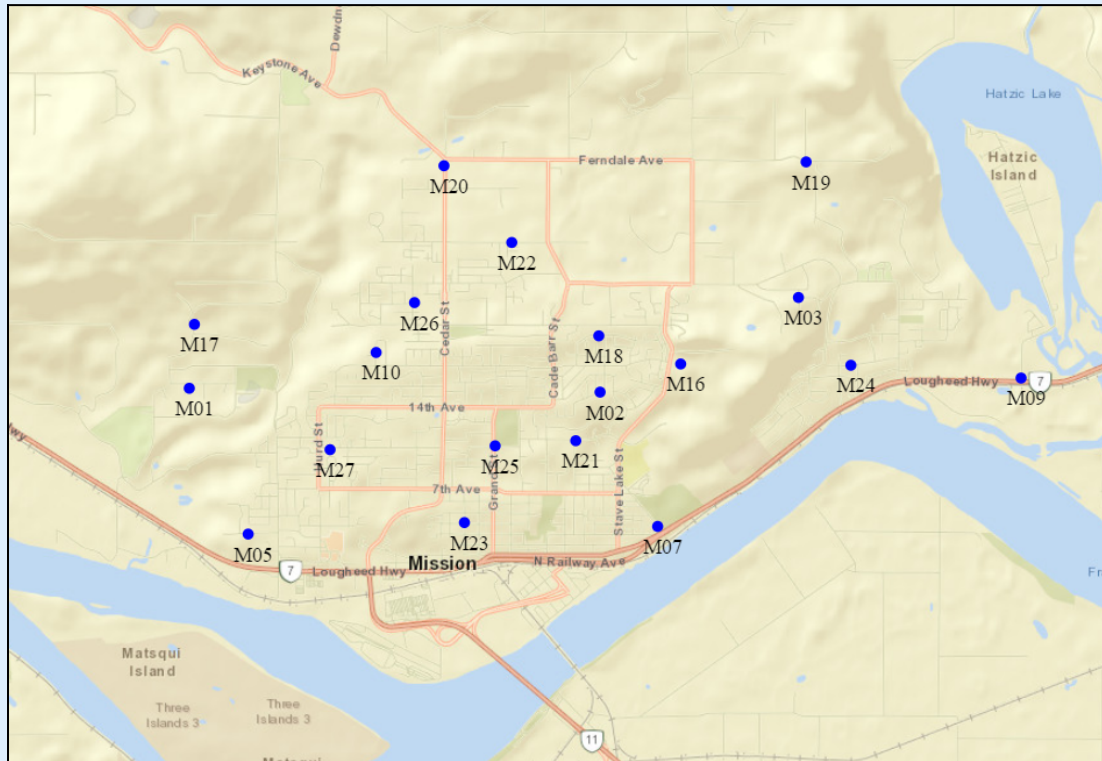


# City of Mission Water Distribution System

Recent Water Quality Results

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## Sample Locations



- Refer to following pages for results.
- Water quality parameter descriptions on last page.

Route A - M1, M16, M19, M21, M22, M23, M24, M26, M27

Route B - M2, M3, M4, M5, M7, M9, M17, M18, M20, M25

Each route is tested biweekly.

## Questions?

District of Mission Public Works

604-820-3769

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|                                 | Turbidity | Total Chlorine | Total Coliforms (counts) | E.coli (counts) |
|---------------------------------|-----------|----------------|--------------------------|-----------------|
| Units                           | NTU       | mg/L           | CFU/100mL                | CFU/100mL       |
| <b>M01 - Israel</b>             |           |                |                          |                 |
| January 4                       | 0.28      | 2.29           | 0                        | 0               |
| January 17                      | 0.18      | 1.71           | 0                        | 0               |
| January 31                      | 0.23      | 1.89           | 0                        | 0               |
| <b>M02 - Balsam</b>             |           |                |                          |                 |
| January 10                      | 0.44      | 2.15           | 0                        | 0               |
| January 24                      | 0.30      | 1.95           | 0                        | 0               |
| <b>M03 - Penner</b>             |           |                |                          |                 |
| January 10                      | 0.34      | 2.28           | 0                        | 0               |
| January 24                      | 0.31      | 2.31           | 0                        | 0               |
| <b>M05 - Hillcrest</b>          |           |                |                          |                 |
| January 10                      | 0.14      | 2.05           | 0                        | 0               |
| January 24                      | 0.32      | 2.50           | 0                        | 0               |
| <b>M07 - 4th &amp; Mary</b>     |           |                |                          |                 |
| January 10                      | 0.14      | 1.97           | 0                        | 0               |
| January 24                      | 0.10      | 1.79           | 0                        | 0               |
| <b>M09 - Shook</b>              |           |                |                          |                 |
| January 10                      | 0.13      | 2.05           | 0                        | 0               |
| January 24                      | 0.26      | 1.89           | 0                        | 0               |
| <b>M10 - Miller</b>             |           |                |                          |                 |
| January 10                      | 0.41      | 1.98           | 0                        | 0               |
| January 24                      | 0.35      | 1.89           | 0                        | 0               |
| <b>M16 - Best @ Barker</b>      |           |                |                          |                 |
| January 4                       | 0.31      | 2.31           | 0                        | 0               |
| January 17                      | 0.32      | 2.09           | 0                        | 0               |
| January 31                      | 0.29      | 2.08           | 0                        | 0               |
| <b>M17 - TH Booster</b>         |           |                |                          |                 |
| January 10                      | 0.13      | 1.74           | 0                        | 0               |
| January 24                      | 0.18      | 1.70           | 0                        | 0               |
| <b>M18 - Blueberry</b>          |           |                |                          |                 |
| January 10                      | 0.32      | 2.32           | 0                        | 0               |
| January 24                      | 0.32      | 2.49           | 0                        | 0               |
| <b>M19 - Ferndale @ Erikson</b> |           |                |                          |                 |
| January 4                       | 0.29      | 2.37           | 0                        | 0               |
| January 17                      | 0.29      | 2.29           | 0                        | 0               |

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|                                  | Turbidity | Total Chlorine | Total Coliforms (counts) | E.coli (counts) |
|----------------------------------|-----------|----------------|--------------------------|-----------------|
| Units                            | NTU       | mg/L           | CFU/100mL                | CFU/100mL       |
| <b>M19 - Ferndale @ Erikson</b>  |           |                |                          |                 |
| January 31                       | 0.25      | 2.23           | 0                        | 0               |
| <b>M20 - DTR &amp; Cedar</b>     |           |                |                          |                 |
| January 10                       | 0.51      | 2.52           | 0                        | 0               |
| January 24                       | 0.38      | 2.53           | 0                        | 0               |
| <b>M21 - 11th &amp; Dunsmuir</b> |           |                |                          |                 |
| January 4                        | 0.11      | 2.08           | 0                        | 0               |
| January 17                       | 0.12      | 1.87           | 0                        | 0               |
| January 31                       | 0.07      | 2.02           | 0                        | 0               |
| <b>M22 - Tunbridge @ DTR</b>     |           |                |                          |                 |
| January 4                        | 0.34      | 2.43           | 0                        | 0               |
| January 17                       | 0.29      | 2.31           | 0                        | 0               |
| January 31                       | 0.35      | 2.29           | 0                        | 0               |
| <b>M23 - 4th @ Alder</b>         |           |                |                          |                 |
| January 4                        | 0.33      | 2.49           | 0                        | 0               |
| January 17                       | 0.09      | 1.88           | 0                        | 0               |
| January 31                       | 0.09      | 1.93           | 0                        | 0               |
| <b>M24 - Moffat</b>              |           |                |                          |                 |
| January 4                        | 0.07      | 2.21           | 0                        | 0               |
| January 17                       | 0.11      | 1.91           | 0                        | 0               |
| January 31                       | 0.10      | 2.04           | 0                        | 0               |
| <b>M25 - 11th &amp; Grand</b>    |           |                |                          |                 |
| January 10                       | 0.20      | 1.95           | 0                        | 0               |
| January 24                       | 0.11      | 1.73           | 0                        | 0               |
| <b>M26 - Fennel</b>              |           |                |                          |                 |
| January 4                        | 0.35      | 2.29           | 0                        | 0               |
| January 17                       | 0.34      | 2.30           | 0                        | 0               |
| January 31                       | 0.50      | 2.23           | 0                        | 0               |
| <b>M27 - McRae &amp; Hurd</b>    |           |                |                          |                 |
| January 4                        | 0.27      | 2.45           | 0                        | 0               |
| January 17                       | 0.16      | 1.93           | 0                        | 0               |
| January 31                       | 0.29      | 2.14           | 0                        | 0               |
| Blank Cell = No Data Collected   |           |                |                          |                 |

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| Parameter              | Description   | Acceptable Range  |
|------------------------|---|---|
| <b>Turbidity</b>       | Suspended matter that interferes with the clarity of the water. While not a health concern itself, turbidity is an indicator of possible contamination. | There are no regulations for distribution system turbidity; water system operators aim for less than 1.0 NTU.   |
| <b>Total Chlorine</b>  | Used to monitor the level of disinfectant used to inactivate microorganisms such as bacteria and viruses.   | There are no regulations for distribution system total chlorine; system operators aim to maintain a detectable residual. As long as there are no total coliforms, lower values are not a concern. Higher values are not deemed a health concern unless they exceed the World Health Organization's recommended limit of 5ppm. |
| <b>Total Coliforms</b> | A group of bacteria that generally do not cause human disease, but their presence in water may indicate possible contamination.                         | The BC Drinking Water Act stipulates that no more than 10% of samples during a 30-day period may be positive for Total Coliforms and that no single sample may contain more than 10 counts.   |
| <b>E. Coli</b>         | A member of the Total Coliform group and its presence in water indicates contamination.   | The BC Drinking Water Act stipulates that no E.Coli should be detected in drinking water.   |

**Note: Turbidity and Total Chlorine are measured with field instruments. Result trends are used as indicators of significant water quality changes; specific values are not necessarily accurate.**