

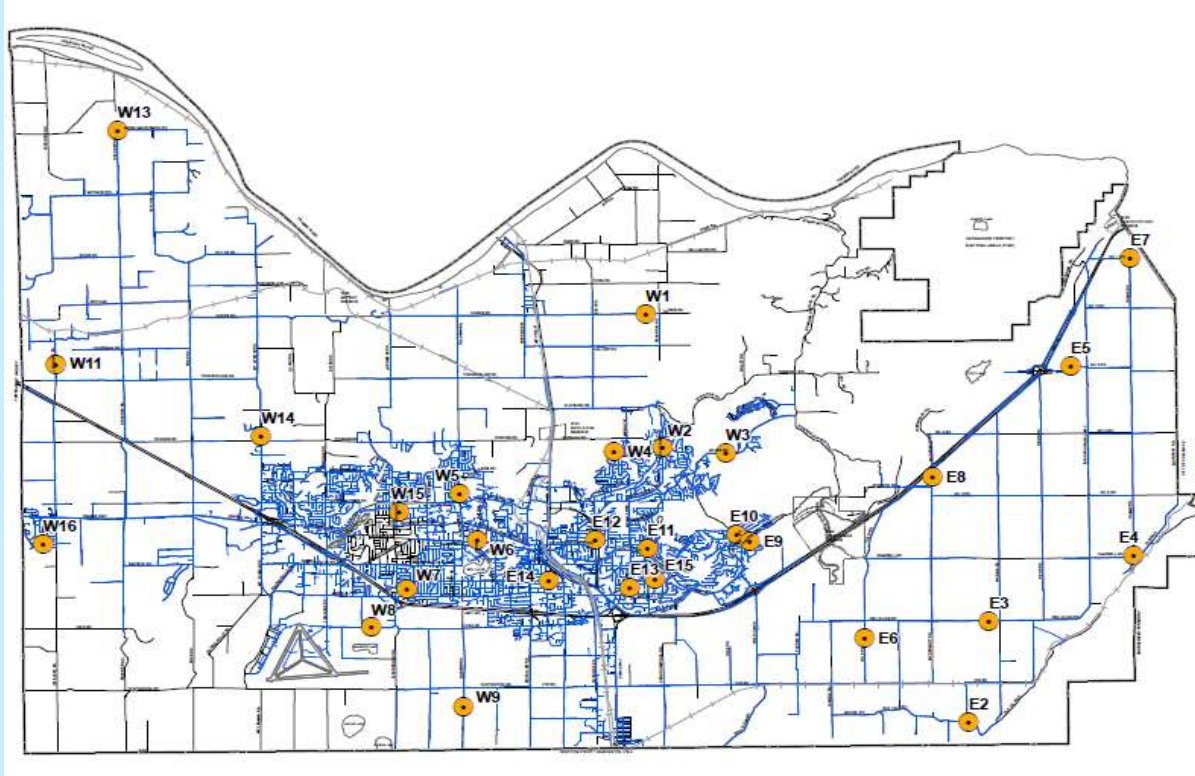
# Abbotsford Water Distribution System

## Recent Water Quality Results

Updated: 2/1/2021



### Sample Locations



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

### Questions?

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# Abbotsford Water Distribution System

## Recent Water Quality Results

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| <b>E2</b>   | Turbidity | Total Chlorine | Total Coliforms | E.Coli |
|---|-----------|----------------|-----------------|--------|
| Units   | NTU       | ppm            | counts          | counts |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND     |
| JAN   |           |                |                 |        |
| JAN 5   | 0.14      | 1.20           | ND              | ND     |
| JAN 12  | 0.22      | 1.30           | ND              | ND     |
| JAN 19  | 0.07      | 1.38           | ND              | ND     |
| JAN 26  | 0.07      | 1.46           | ND              | ND     |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |        |

| <b>E3</b>   | Turbidity | Total Chlorine | Total Coliforms | E.Coli |
|---|-----------|----------------|-----------------|--------|
| Units   | NTU       | ppm            | counts          | counts |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND     |
| JAN   |           |                |                 |        |
| JAN 5   | 0.18      | 1.19           | ND              | ND     |
| JAN 12  | 0.11      | 1.17           | ND              | ND     |
| JAN 19  | 0.09      | 1.16           | ND              | ND     |
| JAN 26  | 0.07      | 1.27           | ND              | ND     |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |        |

| <b>E4</b>   | Turbidity | Total Chlorine | Total Coliforms | E.Coli |
|---|-----------|----------------|-----------------|--------|
| Units   | NTU       | ppm            | counts          | counts |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND     |
| JAN   |           |                |                 |        |
| JAN 5   | 0.21      | 1.33           | ND              | ND     |
| JAN 12  | 0.15      | 1.15           | ND              | ND     |
| JAN 19  | 0.07      | 1.07           | ND              | ND     |
| JAN 26  | 0.07      | 1.17           | ND              | ND     |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |        |



# Abbotsford Water Distribution System

## Recent Water Quality Results

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| <b>E5</b>   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.13      | 0.65           | ND              | ND      |
| JAN 12  | 0.27      | 0.78           | ND              | ND      |
| JAN 19  | 0.07      | 0.82           | ND              | ND      |
| JAN 26  | 0.07      | 0.94           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| <b>E6</b>   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.18      | 0.92           | ND              | ND      |
| JAN 12  | 0.19      | 1.33           | ND              | ND      |
| JAN 19  | 0.13      | 1.37           | ND              | ND      |
| JAN 26  | 0.10      | 1.47           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| <b>E7</b>   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.18      | 0.38           | ND              | ND      |
| JAN 12  | 0.13      | 0.43           | ND              | ND      |
| JAN 19  | 0.08      | 0.49           | ND              | ND      |
| JAN 26  | 0.08      | 0.75           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

Updated: 2/1/2021



| <b>E8</b>   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.20      | 0.95           | ND              | ND      |
| JAN 12  | 0.17      | 0.99           | ND              | ND      |
| JAN 19  | 0.10      | 0.98           | ND              | ND      |
| JAN 26  | 0.13      | 1.09           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| <b>E9</b>   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.25      | 1.79           | ND              | ND      |
| JAN 12  | 0.25      | 1.37           | ND              | ND      |
| JAN 19  | 0.06      | 1.28           | ND              | ND      |
| JAN 26  | 0.06      | 1.45           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| <b>E10</b>  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.16      | 1.27           | ND              | ND      |
| JAN 12  | 0.10      | 1.42           | ND              | ND      |
| JAN 19  | 0.07      | 1.39           | ND              | ND      |
| JAN 26  | 0.06      | 1.44           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

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| E11   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.11      | 1.04           | ND              | ND      |
| JAN 12  | 0.25      | 1.41           | ND              | ND      |
| JAN 19  | 0.07      | 1.24           | ND              | ND      |
| JAN 26  | 0.06      | 1.47           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| E12   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.10      | 1.41           | ND              | ND      |
| JAN 12  | 0.31      | 1.38           | ND              | ND      |
| JAN 19  | 0.05      | 1.52           | ND              | ND      |
| JAN 26  | 0.08      | 1.62           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| E13   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.14      | 1.25           | ND              | ND      |
| JAN 12  | 0.22      | 1.21           | ND              | ND      |
| JAN 19  | 0.09      | 1.35           | ND              | ND      |
| JAN 26  | 0.08      | 1.45           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

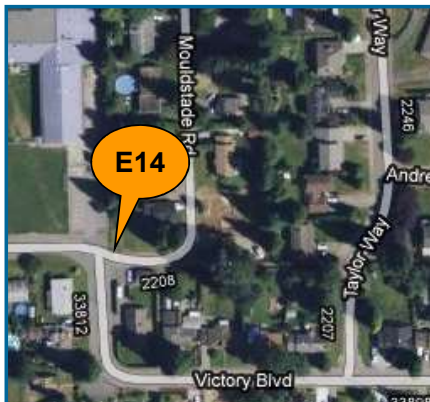
Updated: 2/1/2021



| E14   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.13      | 0.86           | ND              | ND      |
| JAN 12  | 0.15      | 0.92           | ND              | ND      |
| JAN 19  | 0.05      | 0.82           | ND              | ND      |
| JAN 26  | 0.07      | 1.39           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| E15   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.13      | 0.95           | ND              | ND      |
| JAN 12  | 0.19      | 1.15           | ND              | ND      |
| JAN 19  | 0.07      | 1.43           | ND              | ND      |
| JAN 26  | 0.07      | 1.44           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W1  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.35      | 1.45           | ND              | ND      |
| JAN 12  | 0.05      | 1.32           | ND              | ND      |
| JAN 19  | 0.08      | 1.25           | ND              | ND      |
| JAN 26  | 0.06      | 1.31           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

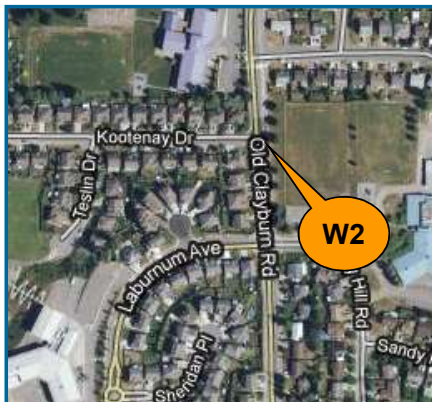
Updated: 2/1/2021



| W2  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.13      | 1.28           | ND              | ND      |
| JAN 12  | 0.06      | 1.28           | ND              | ND      |
| JAN 19  | 0.08      | 1.40           | ND              | ND      |
| JAN 26  | 0.06      | 1.45           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W3  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.10      | 1.21           | ND              | ND      |
| JAN 12  | 0.06      | 1.31           | ND              | ND      |
| JAN 19  | 0.09      | 1.38           | ND              | ND      |
| JAN 26  | 0.06      | 1.46           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W4  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.10      | 1.03           | ND              | ND      |
| JAN 12  | 0.05      | 1.22           | ND              | ND      |
| JAN 19  | 0.08      | 1.20           | ND              | ND      |
| JAN 26  | 0.07      | 1.33           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

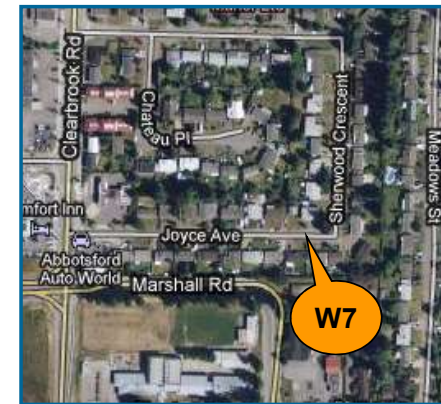
Updated: 2/1/2021



| W5  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.06      | 1.35           | ND              | ND      |
| JAN 12  | 0.05      | 1.34           | ND              | ND      |
| JAN 19  | 0.16      | 1.40           | ND              | ND      |
| JAN 26  | 0.06      | 1.57           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W6  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.06      | 1.23           | ND              | ND      |
| JAN 12  | 0.05      | 1.28           | ND              | ND      |
| JAN 19  | 0.10      | 1.29           | ND              | ND      |
| JAN 26  | 0.08      | 1.48           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W7  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.05      | 0.75           | ND              | ND      |
| JAN 12  | 0.04      | 0.74           | ND              | ND      |
| JAN 19  | 0.07      | 0.82           | ND              | ND      |
| JAN 26  | 0.08      | 1.27           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |





# Abbotsford Water Distribution System

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| W8  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.12      | 0.61           | ND              | ND      |
| JAN 12  | 0.16      | 0.58           | ND              | ND      |
| JAN 19  | 0.15      | 0.62           | ND              | ND      |
| JAN 26  | 0.07      | 1.05           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W9  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.14      | 0.63           | ND              | ND      |
| JAN 12  | 0.07      | 0.65           | ND              | ND      |
| JAN 19  | 0.10      | 0.64           | ND              | ND      |
| JAN 26  | 0.08      | 1.10           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W11   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.08      | 1.13           | ND              | ND      |
| JAN 12  | 0.07      | 1.25           | ND              | ND      |
| JAN 19  | 0.09      | 1.25           | ND              | ND      |
| JAN 26  | 0.07      | 1.45           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

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| W13   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.13      | 1.01           | ND              | ND      |
| JAN 12  | 0.07      | 1.01           | ND              | ND      |
| JAN 19  | 0.09      | 0.92           | ND              | ND      |
| JAN 26  | 0.07      | 0.39           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W14   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.10      | 1.10           | ND              | ND      |
| JAN 12  | 0.06      | 1.09           | ND              | ND      |
| JAN 19  | 0.09      | 1.34           | ND              | ND      |
| JAN 26  | 0.07      | 1.52           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |

| W15   | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| JAN   |           |                |                 |         |
| JAN 5   | 0.12      | 1.33           | ND              | ND      |
| JAN 12  | 0.08      | 1.29           | ND              | ND      |
| JAN 19  | 0.08      | 1.39           | ND              | ND      |
| JAN 26  | 0.07      | 1.55           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

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| <b>W16</b>  | Turbidity | Total Chlorine | Total Coliforms | E. Coli |
|---|-----------|----------------|-----------------|---------|
| Units   | NTU       | ppm            | counts          | counts  |
| Target  | < 1.0     | 0.2 - 2.2      | ND              | ND      |
| <b>JAN</b>  |           |                |                 |         |
| JAN 5   | 0.06      | 0.89           | ND              | ND      |
| JAN 12  | 0.07      | 1.09           | ND              | ND      |
| JAN 19  | 0.10      | 1.17           | ND              | ND      |
| JAN 26  | 0.06      | 1.34           | ND              | ND      |
| ND = Non-Detect<br>Blank Cell = No Data Collected |           |                |                 |         |



# Abbotsford Water Distribution System

## Recent Water Quality Results

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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 0.2 - 2.2 ppm. 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 5 ppm. |
| <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.**