



# Regional District of Nanaimo - Water Services Department

## Whiskey Creek Water Analysis - 2019 Monthly Report



| Date     | Sample Location (Address) | Health Department |                  | In-House |                  |            |      |                               |                               |              |                      |                   |                  |
|----------|---------------------------|-------------------|------------------|----------|------------------|------------|------|-------------------------------|-------------------------------|--------------|----------------------|-------------------|------------------|
|          |                           | E. coli *         | Total Coliform * | E.coli * | Total Coliform * | Temp. (°C) | pH   | Free Chlorine Residual (mg/L) | Total Dissolved Solids (mg/L) | Salinity (%) | Conductivity (µS/cm) | Total Iron (mg/L) | Manganese (mg/L) |
| 5-Mar-19 | 3533 Hebert               | 0                 | 0                | 0        | 0                | 6          | 7.16 | 1.20                          | 67.6                          | 0.07         | 142.8                | 0.00              | 0.000            |
|          |                           |                   |                  |          |                  |            |      |                               |                               |              |                      |                   |                  |
|          |                           |                   |                  |          |                  |            |      |                               |                               |              |                      |                   |                  |
|          |                           |                   |                  |          |                  |            |      |                               |                               |              |                      |                   |                  |
|          | <b>Average</b>            | 0                 | 0                | 0        | 0                | 6.0        | 7.2  | 1.20                          | 67.6                          | 0.07         | 142.8                | 0.00              | 0.000            |
|          | <b>Maximum</b>            | 0                 | 0                | 0        | 0                | 6          | 7.16 | 1.20                          | 67.6                          | 0.07         | 142.8                | 0.00              | 0.000            |
|          | <b>Minimum</b>            | 0                 | 0                | 0        | 0                | 6          | 7.16 | 1.2                           | 67.6                          | 0.07         | 142.8                | 0.00              | 0.000            |

**Red font indicates non-compliance with Canadian Drinking Water Guidelines**

Aesthetic Objective for Iron is ≤0.3 mg/L

Aesthetic Objective for Manganese is ≤0.05mg/L

\*Coliforms are measured in colony forming units (CFU) per 100 millilitres of water (CFU/100mL)

Yellow Column Coliform tests are completed by Health Department

Blue column tests are completed by RDN

**Comments:**

Iron and manganese are found naturally in drinking water. Levels found in these samples are not a health concern.



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|-----------|---------------------------|-------------------|------------------|----------|------------------|------------|------|-------------------------------|-------------------------------|--------------|----------------------|-------------------|------------------|
|           |                           | E. coli *         | Total Coliform * | E.coli * | Total Coliform * | Temp. (°C) | pH   | Free Chlorine Residual (mg/L) | Total Dissolved Solids (mg/L) | Salinity (%) | Conductivity (µS/cm) | Total Iron (mg/L) | Manganese (mg/L) |
| 4-Feb-19  | 3533 Hebert               | 0                 | 0                | 0        | 0                | 6          | 7.29 | 1.26                          | 89.1                          | 0.06         | 125.1                |                   |                  |
| 11-Feb-19 | 844 Carson                | 0                 | 0                | 0        | 0                | 5          | 7.35 | 1.17                          | 64.9                          | 0.06         | 137.2                | 0.03              | 0.008            |
| 19-Feb-19 | 3564 Foxglove             | 0                 | 0                | 0        | 0                |            | 7.45 | 1.04                          | 68.8                          | 0.07         | 145.3                |                   |                  |
| 19-Feb-19 | 3537 Harris               | 0                 | 0                | 0        | 0                |            | 7.35 | 1.31                          | 65.1                          | 0.06         | 137.5                |                   |                  |
|           | <b>Average</b>            | 0                 | 0                | 0        | 0                | 5.5        | 7.4  | 1.20                          | 72.0                          | 0.06         | 136.3                | 0.03              | 0.008            |
|           | <b>Maximum</b>            | 0                 | 0                | 0        | 0                | 6          | 7.45 | 1.31                          | 89.1                          | 0.07         | 145.3                | 0.03              | 0.008            |
|           | <b>Minimum</b>            | 0                 | 0                | 0        | 0                | 5          | 7.29 | 1.04                          | 64.9                          | 0.06         | 125.1                | 0.03              | 0.008            |

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|-----------|---------------------------|-------------------|------------------|----------|------------------|------------|------|-------------------------------|-------------------------------|--------------|----------------------|-------------------|------------------|
|           |                           | E. coli *         | Total Coliform * | E.coli * | Total Coliform * | Temp. (°C) | pH   | Free Chlorine Residual (mg/L) | Total Dissolved Solids (mg/L) | Salinity (%) | Conductivity (µS/cm) | Total Iron (mg/L) | Manganese (mg/L) |
| 7-Jan-19  | 3533 Herbert              | 0                 | 0                | 0        | 0                | 8          | 7.21 | 1.13                          | 53.5                          | 0.05         | 113.4                | 0.01              | 0.031            |
| 14-Jan-19 | 844 Carson                | 0                 | 0                | 0        | 0                | 7          | 7.35 | 1.58                          | 56.0                          | 0.06         | 118.5                |                   |                  |
| 14-Jan-19 | Treated                   |                   |                  | 0        | 0                | 8          | 7.19 | 2.01                          | 52.7                          | 0.05         | 111.5                |                   |                  |
| 21-Jan-19 | 3564 Foxglove             | 0                 | 0                | 0        | 0                | 9          | 6.85 | 0.81                          | 54.2                          | 0.05         | 114.8                |                   |                  |
| 28-Jan-19 | 3537 Harris               | 0                 | 0                | 0        | 0                | 7          | 6.98 | 1.57                          | 58.0                          | 0.07         | 120.0                |                   |                  |
|           | <b>Average</b>            | 0                 | 0                | 0        | 0                | 8          | 7.1  | 1.42                          | 54.9                          | 0.06         | 115.6                | 0.01              | 0.031            |
|           | <b>Maximum</b>            | 0                 | 0                | 0        | 0                | 9          | 7.35 | 2.01                          | 58                            | 0.07         | 120.0                | 0.01              | 0.031            |
|           | <b>Minimum</b>            | 0                 | 0                | 0        | 0                | 7          | 6.85 | 0.81                          | 52.7                          | 0.05         | 111.5                | 0.01              | 0.031            |

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