



# Regional District of Nanaimo - Water Services Department

## River's Edge Water Analysis - 2025 Monthly Report

| Date                          | Sample Location (Address) | BC Centre for Disease Control |                  | RDN In-House Laboratory & Spectrophotometer |                  |            |          |                               |                               |              |                      |                 |
|-------------------------------|---------------------------|-------------------------------|------------------|---|------------------|------------|----------|-------------------------------|-------------------------------|--------------|----------------------|-----------------|
|                               |                           | 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) | Turbidity (NTU) |
| 8-Jan-25                      | 1969 Kaye                 | 0                             | 0                | 0   | 0                | 7.7        |          | 0.63                          | 275.0                         | 0.27         | 570.0                | 0.26            |
| 8-Jan-25                      | 2235 Rascal               |                               |                  | 0   | 0                | 9          |          | 0.63                          | 279.0                         | 0.28         | 574.0                | 0.27            |
| 15-Jan-25                     | 2235 Rascal               | 0                             | 0                | 0   | 0                | 7          | 8.10     | 0.58                          | 276.0                         | 0.28         | 568.0                | 0.23            |
| 27-Jan-25                     | 1969 Kaye Rd              |                               |                  | 0   | 0                | 5          | 8.03     | 0.55                          | 275.0                         | 0.28         | 572.0                | 0.36            |
| CDN Drinking Water Guidelines |                           | <1                            | <1               | <1  | <1               | n/a        | 7.0-10.5 | n/a                           | 500                           | n/a          | n/a                  | <1              |

### Legend:

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

Green font indicates a value flagged for operational consideration

Orange font indicates non-compliance with the Aesthetic Objective (AO) in the Canadian Drinking Water Guidelines (CDWG)

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

### Comments:

Notes below about pH (2015) from [https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#\\_ftn1](https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1)

| Type              | Parameter (published, reaffirmed) | MAC (mg/L) | Other value (mg/L) | Common sources of parameter in water | Health considerations | Comments  |
|-------------------|-----------------------------------|------------|--------------------|--------------------------------------|-----------------------|---|
| Treatment-related | pH (2015)                         | None       | 7.0-10.5           | Not applicable                       | Not applicable        | The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components. |



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| 05-Feb-25                     | 1969 Kaye                 |                               |                  | 0   | 0                | 6          | n/a      | 0.62                          | 282                           | 0.28         | 582                  | 0.27            |
|                               |                           |                               |                  |   |                  |            |          |                               |                               |              |                      |                 |
|                               |                           |                               |                  |   |                  |            |          |                               |                               |              |                      |                 |
| CDN Drinking Water Guidelines |                           | <1                            | <1               | <1  | <1               | n/a        | 7.0-10.5 | n/a                           | 500                           | n/a          | n/a                  | <1              |

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