



Regional District of Nanaimo - Utilities Department

Driftwood Water Analysis - Monthly Report



| Date | Sample Location (Address) | Fecal Coli * Health Dep | Total Coli * Health Dep | Total Coli RDN | E Coli RDN | Temp ° C | pH | Cl ₂ ppm | TDS ppm | Sal % | Cond uS/cm | Fe ppm | Mn ppm |
|--------|---------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 06-Jan | 1900 Sea Otter | 0 | 0 | 0 | 0 | 5 | 7 | 0.11 | 178 | 0.2 | 381 | 0.09 | 0.118 |
| 13-Jan | 1270 Seadog | 0 | 0 | 0 | 0 | 6 | 7.1 | 0.04 | 159 | 0.2 | 341 | | |
| 19-Jan | 1961 Harlequin | 0 | 0 | 0 | 0 | 5 | 6.8 | 0.07 | 179 | 0.2 | 385 | | |
| 27-Jan | 1597 Haida Way | 0 | 0 | 0 | 0 | 5 | 7.1 | 0.13 | 150 | 0.2 | 324 | | |
| | Average | 0 | 0 | 0 | 0 | 5.3 | 7.0 | 0.09 | 166.5 | 0.2 | 357.8 | 0.09 | 0.118 |
| | Maximum | 0 | 0 | 0 | 0 | 6 | 7.1 | 0.13 | 179 | 0.2 | 385 | 0.09 | 0.118 |
| | Minimum | 0 | 0 | 0 | 0 | 5 | 6.8 | 0.04 | 150 | 0.2 | 324 | 0.09 | 0.118 |

Red font indicates non-compliance with Canadian Drinking Water Guidelines / BC Approved Water Quality Guidelines

Coliforms are measured in colony forming units (CFU) per 100 millilitres of water

* Yellow Column Coliform tests are done by Health Department

Green 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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|--------|---------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 03-Feb | 1900 Sea Otter | 0 | 0 | 0 | 0 | 5 | 7.2 | 0.05 | 169 | 0.2 | 359 | 0.18 | 0.031 |
| 10-Feb | 1597 Haida Way | 0 | 0 | 0 | 0 | 7 | 7.3 | 0.12 | 160 | 0.2 | 342 | | |
| 17-Feb | 1961 Harlequin | 0 | 0 | 0 | 0 | 5 | 6.9 | 0.17 | 168 | 0.2 | 365 | | |
| 24-Feb | 1270 Seadog | 0 | 0 | 0 | 0 | 6 | 6.8 | 0.07 | 155 | 0.2 | 326 | | |
| | Average | 0 | 0 | 0 | 0 | 5.8 | 7.1 | 0.10 | 163.0 | 0.2 | 348.0 | 0.18 | 0.031 |
| | Maximum | 0 | 0 | 0 | 0 | 7 | 7.3 | 0.17 | 169 | 0.2 | 365 | 0.18 | 0.031 |
| | Minimum | 0 | 0 | 0 | 0 | 5 | 6.8 | 0.05 | 155 | 0.2 | 326 | 0.18 | 0.031 |

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|--------|---------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 03-Mar | 1900 Sea Otter | 0 | 0 | 0 | 0 | 6 | 7 | 0.04 | 169 | 0.2 | 360 | 0.37 | 0.093 |
| 10-Mar | 1961 Harlequin | 0 | 0 | 0 | 0 | 6 | 7.2 | 0.08 | 173 | 0.2 | 370 | | |
| 18-Mar | 1597 Haida Way | 0 | 0 | 0 | 0 | 7 | 7.2 | 0.08 | 154 | 0.2 | 328 | | |
| 25-Mar | 1270 Seadog Rd | 0 | 0 | 0 | 0 | 7 | 7.2 | 0.11 | 155 | 0.2 | 329 | | |
| | Average | 0 | 0 | 0 | 0 | 6.5 | 7.2 | 0.08 | 162.8 | 0.2 | 346.8 | 0.37 | 0.093 |
| | Maximum | 0 | 0 | 0 | 0 | 7 | 7.2 | 0.11 | 173 | 0.2 | 370 | 0.37 | 0.093 |
| | Minimum | 0 | 0 | 0 | 0 | 6 | 7 | 0.04 | 154 | 0.2 | 328 | 0.37 | 0.093 |

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|--------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| Apr-09 | | | | | | | | | | | | | |
| 15-Apr | 1900 Sea Otter | 0 | 0 | | | | | | | | | | |
| 22-Apr | 1597 Haida Way | 0 | 0 | 0 | 0 | 10 | 7 | 0.08 | 157 | 0.2 | 332 | | |
| 29-Apr | 1961 Harlequin | | | | | 12 | 7.1 | 0.04 | 165 | 0.2 | 347 | | |
| | Average | 0 | 0 | 0 | 0 | 11.0 | 7.1 | 0.06 | 161.0 | 0.2 | 339.5 | #DIV/0! | #DIV/0! |
| | Maximum | 0 | 0 | 0 | 0 | 12 | 7.1 | 0.08 | 165 | 0.2 | 347 | 0 | 0 |
| | Minimum | 0 | 0 | 0 | 0 | 10 | 7 | 0.04 | 157 | 0.2 | 332 | 0 | 0 |

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| Date May-09 | Sample Location (Address) | Fecal Coli * Health Dep | Total Coli * Health Dep | Total Coli RDN | E Coli RDN | Temp ° C | pH | Cl ₂ ppm | TDS ppm | Sal % | Cond uS/cm | Fe ppm | Mn ppm |
|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 05-May | 1900 Sea Otter PI | 0 | 0 | 0 | 0 | 11 | 7.1 | 0.03 | 168 | 0.2 | 355 | 0.45 | 0.091 |
| 12-May | 1597 Haida Way | 0 | 0 | 0 | 0 | 11 | 6.9 | 0.11 | 159 | 0.2 | 334 | | |
| 20-May | 1961 Harlequin | 0 | 0 | | | | | | | | | | |
| 27-May | 1270 Seadog | 0 | 0 | 0 | 0 | 14 | 6.9 | 0.18 | 132 | 0.1 | 277 | | |
| | Average | 0 | 0 | 0 | 0 | 12.0 | 7.0 | 0.11 | 153.0 | 0.2 | 322.0 | 0.45 | 0.091 |
| | Maximum | 0 | 0 | 0 | 0 | 14 | 7.1 | 0.18 | 168 | 0.2 | 355 | 0.45 | 0.091 |
| | Minimum | 0 | 0 | 0 | 0 | 11 | 6.9 | 0.03 | 132 | 0.1 | 277 | 0.45 | 0.091 |

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| Date Jun-09 | Sample Location (Address) | Fecal Coli * Health Dep | Total Coli * Health Dep | Total Coli RDN | E Coli RDN | Temp ° C | pH | Cl ₂ ppm | TDS ppm | Sal % | Cond uS/cm | Fe ppm | Mn ppm |
|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 02-Jun | 1900 Sea Otter | 0 | 0 | 0 | 0 | 14 | 7 | 0.04 | 131 | 0.1 | 274 | 0.25 | 0.071 |
| 09-Jun | 1961 Harlequin | 0 | 0 | 0 | 0 | 17 | 6.8 | 0.05 | 129 | 0.1 | 271 | | |
| 16-Jun | 1270 Sea Dog | 0 | 0 | | | | 6.8 | 0.05 | 127 | 0.1 | 266 | | |
| 29-Jun | 1597 Haida Way | 0 | 0 | | | | | | | | | | |
| | Average | 0 | 0 | 0 | 0 | 15.5 | 6.9 | 0.05 | 129.0 | 0.1 | 270.3 | 0.25 | 0.071 |
| | Maximum | 0 | 0 | 0 | 0 | 17 | 7 | 0.05 | 131 | 0.1 | 274 | 0.25 | 0.071 |
| | Minimum | 0 | 0 | 0 | 0 | 14 | 6.8 | 0.04 | 127 | 0.1 | 266 | 0.25 | 0.071 |

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|--------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 07-Jul | 1900 Sea Otter | 0 | 0 | 0 | 0 | 17 | 6.6 | 0.03 | 132 | 0.1 | 277 | 0.14 | 0.079 |
| 15-Jul | 1961 Harlequin | 0 | 0 | 0 | 0 | 19 | 6.8 | 0.04 | 120 | 0.1 | 251 | | |
| 22-Jul | 1597 Haida Way | 0 | 0 | | | | | | | | | | |
| 29-Jul | 1270 Sea Dog | 0 | 0 | 0 | 0 | 17 | 7.1 | 0.08 | 127 | 0.1 | 268 | | |
| | Average | 0 | 0 | 0 | 0 | 17.7 | 6.8 | 0.05 | 126.3 | 0.1 | 265.3 | 0.14 | 0.079 |
| | Maximum | 0 | 0 | 0 | 0 | 19 | 7.1 | 0.08 | 132 | 0.1 | 277 | 0.14 | 0.079 |
| | Minimum | 0 | 0 | 0 | 0 | 17 | 6.6 | 0.03 | 120 | 0.1 | 251 | 0.14 | 0.079 |

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| Date Aug-09 | Sample Location (Address) | Fecal Coli * Health Dep | Total Coli * Health Dep | Total Coli RDN | E Coli RDN | Temp ° C | pH | Cl ₂ ppm | TDS ppm | Sal % | Cond uS/cm | Fe ppm | Mn ppm |
|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 05-Aug | 1900 Sea Otter | 0 | 6 | 0 | 0 | 18 | 6.7 | 0.04 | 133 | 0.1 | 279 | 0.1 | 0.046 |
| 12-Aug | 1900 Sea Otter | 0 | BG | 0 | 0 | 19 | 6.8 | 0.03 | 143 | 0.1 | 301 | | |
| 19-Aug | 1900 Sea Otter | 0 | BG | 0 | 0 | 17 | | 0.03 | | | | | |
| 19-Aug | 1597 Haida Way | 0 | 0 | 0 | 0 | 15 | 6.9 | 0.04 | 131 | 0.1 | 276 | | |
| 25-Aug | 1900 Sea Otter | 0 | BG | 0 | 0 | | | 0.05 | | | | | |
| 25-Aug | 1961 Harlequin | 0 | 0 | 0 | 0 | 18 | 6.9 | 0.04 | 141 | 0.1 | 297 | | |
| 25-Aug | 1270 Sea Dog | 0 | 0 | | | | | 0.07 | | | | | |
| | Average | 0 | 1.5 | 0 | 0 | 17.4 | 6.8 | 0.04 | 137.0 | 0.1 | 288.3 | 0.10 | 0.046 |
| | Maximum | 0 | 6 | 0 | 0 | 19 | 6.9 | 0.07 | 143 | 0.1 | 301 | 0.1 | 0.046 |
| | Minimum | 0 | 0 | 0 | 0 | 15 | 6.7 | 0.03 | 131 | 0.1 | 276 | 0.1 | 0.046 |

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| Date Sep-09 | Sample Location (Address) | Fecal Coli * Health Dep | Total Coli * Health Dep | Total Coli RDN | E Coli RDN | Temp ° C | pH | Cl ₂ ppm | TDS ppm | Sal % | Cond uS/cm | Fe ppm | Mn ppm |
|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 01-Sep | 1270 Seadog | 0 | 0 | | | | | 0.37 | | | | | |
| 01-Sep | 1900 Sea Otter | OG | OG | | | | | | | | | | |
| 09-Sep | 1900 Sea Otter | OG | OG | | | 18 | 6.8 | 0.18 | 143 | 0.1 | 300 | 0.52 | 0.177 |
| 16-Sep | 1900 Sea Otter | 0 | 4 | 0 | 0 | 18 | 7 | 0.09 | 142 | 0.1 | 297 | | |
| 22-Sep | 1597 Haida Way | 0 | 0 | 0 | 0 | 14 | 6.9 | 0.09 | 136 | 0.1 | 286 | | |
| 22-Sep | 1900 Sea Otter | 0 | 0 | 2 | 0 | | | | | | | | |
| 29-Sep | 1961 Harlequin | 0 | 0 | 0 | 0 | 16 | 7 | 0.09 | 138 | 0.1 | 289 | | |
| | Average | 0 | 0.8 | 0.5 | 0 | 16.5 | 6.9 | 0.16 | 139.8 | 0.1 | 293.0 | 0.52 | 0.177 |
| | Maximum | 0 | 4 | 2 | 0 | 18 | 7 | 0.37 | 143 | 0.1 | 300 | 0.52 | 0.177 |
| | Minimum | 0 | 0 | 0 | 0 | 14 | 6.8 | 0.09 | 136 | 0.1 | 286 | 0.52 | 0.177 |

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|--------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 05-Oct | 1270 Seadog Rd | 0 | 0 | 0 | 0 | 14 | 6.8 | 0.17 | 126 | 0.1 | 266 | 0.37 | |
| 14-Oct | 1900 Sea Otter | 0 | 0 | 0 | 0 | 13 | 6.8 | 0.46 | 242 | 0.2 | 507 | | 0.503 |
| 20-Oct | 1597 Haida Way | 0 | 0 | 0 | 0 | | 6.6 | 0.02 | 168 | 0.2 | 351 | | |
| 28-Oct | 1961 Harlequin | 0 | 0 | 0 | 0 | 12 | 7.3 | 0.03 | 161 | 0.2 | 339 | | |
| | Average | 0 | 0 | 0 | 0 | 13.0 | 6.9 | 0.17 | 174.3 | 0.2 | 365.8 | 0.37 | 0.503 |
| | Maximum | 0 | 0 | 0 | 0 | 14 | 7.3 | 0.46 | 242 | 0.2 | 507 | 0.37 | 0.503 |
| | Minimum | 0 | 0 | 0 | 0 | 12 | 6.6 | 0.02 | 126 | 0.1 | 266 | 0.37 | 0.503 |

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|----------------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 04-Nov | 1900 Sea Otter PI | 0 | 0 | 0 | 0 | 11 | 6.9 | 0.11 | 176 | 0.2 | 371 | 0.11 | 0.052 |
| 10-Nov | 1597 Haida Way | 0 | 0 | 0 | 0 | 11 | 6.7 | 0.26 | 149 | 0.1 | 314 | | |
| 17-Nov | 1270 Seadog | 0 | 0 | 0 | 0 | 9 | 7 | 1.11 | 157 | 0.2 | 334 | | |
| 24-Nov | 1961 Harlequin | 0 | 0 | 0 | 0 | 10 | 7 | 0.5 | 157 | 0.2 | 331 | | |
| | Average | 0 | 0 | 0 | 0 | 10.3 | 6.9 | 0.50 | 159.8 | 0.2 | 337.5 | 0.11 | 0.052 |
| | Maximum | 0 | 0 | 0 | 0 | 11 | 7 | 1.11 | 176 | 0.2 | 371 | 0.11 | 0.052 |
| | Minimum | 0 | 0 | 0 | 0 | 9 | 6.7 | 0.11 | 149 | 0.1 | 314 | 0.11 | 0.052 |

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|--------|------------------------------|----------------------------|----------------------------|-------------------|---------------|-------------|-----|------------------------|------------|----------|---------------|-----------|-----------|
| 02-Dec | 1900 Sea Otter Pl | 0 | 0 | 0 | 0 | 9 | 7 | 0.09 | 177 | 0.2 | 375 | 0.09 | 0.039 |
| 08-Dec | 1270 Seadog | 0 | 0 | 0 | 0 | 6 | 7.2 | 0.04 | 144 | 0.1 | 308 | | |
| 15-Dec | 1961 Harlequin | 0 | 0 | | | | | | | | | | |
| 22-Dec | 1270 Seadog | | | 0 | 0 | 6 | 7 | 0.04 | 166 | 0.2 | 350 | | |
| 30-Dec | 1900 Sea Otter Pl | | | 0 | 0 | 7 | 6.9 | 0.04 | 169 | 0.2 | 356 | | |
| | Average | 0 | 0 | 0 | 0 | 7.0 | 7.0 | 0.05 | 164.0 | 0.2 | 347.3 | 0.09 | 0.039 |
| | Maximum | 0 | 0 | 0 | 0 | 9 | 7.2 | 0.09 | 177 | 0.2 | 375 | 0.09 | 0.039 |
| | Minimum | 0 | 0 | 0 | 0 | 6 | 6.9 | 0.04 | 144 | 0.1 | 308 | 0.09 | 0.039 |

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