

Tap Water Quality for Public Water Supplies in Newfoundland and Labrador

Physical Parameters and Major Ions

| Serviced Area(s) | Source Name | Sample Date | Alkalinity | Colour | Conductivity | Hardness | pH | TDS | TSS | Turbidity | Boron | Bromide | Calcium | Chloride | Fluoride | Potassium | Sodium | Sulphate | | |
|---|------------------------------------|--------------|--|------------|--------------|----------|-------------|------|-----------|-----------|-------|---------|---------|----------|----------|-----------|--------|----------|------|-----|
| | | | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | |
| | | | Units | | | 15 | | | 6.5 - 8.5 | 500 | | 1.0 | 5.0 | | | 250 | 1.5 | | 200 | 500 |
| | | | Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter | | | A | | | A | A | | C | C | | | A | C | | A | A |
| Bauline | | | | | | | | | | | | | | | | | | | | |
| Bauline | #1 Brook Path Well | Mar 13, 2018 | 60.00 | 7 | 340.0 | 100.00 | 7.46 | 190 | | 0.35 | LTD | LTD | 30.00 | 72 | LTD | 0.810 | 27 | 9 | | |
| Bay Roberts | | | | | | | | | | | | | | | | | | | | |
| Bay Roberts, Spaniard's Bay | Rocky Pond | Feb 21, 2018 | 5.20 | 6 | 68.0 | 8.30 | <u>6.25</u> | 34 | | 0.14 | LTD | LTD | 2.00 | 16 | LTD | 0.230 | 9 | LTD | | |
| Birchy Bay | | | | | | | | | | | | | | | | | | | | |
| Birchy Bay | Jumper's Pond | Jan 25, 2018 | 19.00 | <u>22</u> | 78.0 | 16.00 | 6.87 | 44 | | 0.45 | LTD | LTD | 4.70 | 15 | LTD | 0.200 | 9 | LTD | | |
| Bonavista | | | | | | | | | | | | | | | | | | | | |
| Bonavista | Long Pond | Mar 06, 2018 | 23.00 | 15 | 100.0 | 6.70 | 7.24 | 57 | | 0.33 | LTD | LTD | 1.30 | 18 | LTD | 0.190 | 19 | LTD | | |
| Brent's Cove | | | | | | | | | | | | | | | | | | | | |
| Brent's Cove | Paddy's Pond | Feb 21, 2018 | 7.40 | <u>130</u> | 80.0 | 9.30 | <u>6.10</u> | 43 | | 0.63 | LTD | LTD | 2.30 | 19 | LTD | 0.360 | 11 | LTD | | |
| Burgeo | | | | | | | | | | | | | | | | | | | | |
| Burgeo | Long Pond | Jan 29, 2018 | LTD | <u>37</u> | 120.0 | 10.00 | <u>4.98</u> | 42 | | 0.53 | LTD | LTD | 1.70 | 24 | LTD | 0.360 | 9 | 2 | | |
| Chance Cove | | | | | | | | | | | | | | | | | | | | |
| Upper Cove Centre | Angus Brace Well | Mar 07, 2018 | 120.00 | LTD | 310.0 | 71.00 | 7.96 | 180 | | 0.42 | LTD | LTD | 25.00 | 26 | LTD | 0.540 | 40 | 11 | | |
| Channel-Port aux Basques | | | | | | | | | | | | | | | | | | | | |
| Channel-Port Aux Basques | Gull Pond & Wilcox Pond | Feb 15, 2018 | 8.30 | LTD | 130.0 | 32.00 | <u>6.39</u> | 70 | | LTD | LTD | LTD | 10.00 | 23 | LTD | 0.380 | 11 | 16 | | |
| Clarenville | | | | | | | | | | | | | | | | | | | | |
| Clarenville, Shoal Harbour | Shoal Harbour River | Mar 05, 2018 | 16.00 | LTD | 120.0 | 19.00 | 7.02 | 71 | | 0.19 | LTD | LTD | 6.70 | 19 | LTD | 0.210 | 16 | 15 | | |
| Conception Bay South | | | | | | | | | | | | | | | | | | | | |
| Conception Bay South | Bay Bulls Big Pond | Mar 08, 2018 | 22.00 | LTD | 92.0 | 27.00 | 7.20 | 49 | | 0.18 | LTD | LTD | 9.90 | 15 | LTD | 0.220 | 7 | LTD | | |
| Conception Harbour | | | | | | | | | | | | | | | | | | | | |
| Healey's Pond Rd, Old Rd & Main Rd | Healey's Pond Road Well | Feb 21, 2018 | 64.00 | LTD | 190.0 | 47.00 | 7.82 | 120 | | 0.30 | LTD | LTD | 15.00 | 14 | 0.100 | 1.000 | 21 | 15 | | |
| Upper Bacon Cove, Kitchuses | Upper Bacon Cove Well | Feb 21, 2018 | 120.00 | LTD | 270.0 | 100.00 | 7.81 | 160 | | 0.11 | LTD | LTD | 36.00 | 13 | LTD | 2.400 | 19 | 5 | | |
| Corner Brook | | | | | | | | | | | | | | | | | | | | |
| Corner Brook (+Massey Drive, +Mount Moriah) | Trout Pond, Third Pond (2 intakes) | Mar 14, 2018 | 23.00 | LTD | 88.0 | 20.00 | 7.38 | 49 | | LTD | LTD | LTD | 5.90 | 11 | LTD | 0.370 | 9 | 4 | | |

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| Serviced Area(s) | Source Name | Sample Date | Alkalinity | Colour | Conductivity | Hardness | pH | TDS | TSS | Turbidity | Boron | Bromide | Calcium | Chloride | Fluoride | Potassium | Sodium | Sulphate | |
|---|---|--------------|--|-----------|--------------|----------|-------------|------|-----------|-----------|-------|---------|---------|----------|----------|-----------|--------|----------|------|
| | | | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | Units | | | 15 | | | 6.5 - 8.5 | 500 | | 1.0 | 5.0 | | 250 | 1.5 | | 200 | 500 |
| | | | Guidelines for Canadian Drinking Water Quality Aesthetic (A) or Contaminant (C) Parameter | | | A | | | A | A | | C | C | | A | C | | A | A |
| Deep Bight | | | | | | | | | | | | | | | | | | | |
| Deep Bight | Deep Bight River | Mar 07, 2018 | LTD | 13 | 61.0 | 14.00 | <u>6.49</u> | 32 | | 0.48 | LTD | LTD | 4.50 | 18 | LTD | 0.150 | 6 | LTD | |
| Fox Roost-Margaree | | | | | | | | | | | | | | | | | | | |
| Fox Roost-Margaree | Drilled Well and Margaree Pond | Feb 15, 2018 | LTD | <u>50</u> | 120.0 | 14.00 | <u>5.50</u> | 54 | | 0.29 | LTD | LTD | 1.70 | 28 | LTD | 0.620 | 15 | 4 | |
| Freshwater | | | | | | | | | | | | | | | | | | | |
| Freshwater (Carbonear) | #3 Well - Wallace Snow Well | Feb 22, 2018 | 93.00 | LTD | 550.0 | 160.00 | 7.35 | 300 | | LTD | LTD | LTD | 46.00 | 100 | LTD | 1.200 | 45 | 26 | |
| Gander | | | | | | | | | | | | | | | | | | | |
| Gander | Gander Lake | Jan 22, 2018 | 20.00 | 14 | 60.0 | 6.10 | 7.24 | 35 | | 0.30 | LTD | LTD | 1.40 | 7 | LTD | 0.170 | 11 | LTD | |
| Georgetown | | | | | | | | | | | | | | | | | | | |
| Georgetown | Third Pond | Feb 21, 2018 | 6.70 | 15 | 95.0 | 9.30 | <u>6.19</u> | 51 | | 0.35 | LTD | LTD | 2.10 | 23 | LTD | 0.460 | 14 | 3 | |
| Grand Falls-Windsor | | | | | | | | | | | | | | | | | | | |
| Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview) | Northern Arm Lake | Jan 16, 2018 | 13.00 | LTD | 68.0 | 24.00 | 7.63 | 37 | | 0.17 | LTD | LTD | 8.80 | 4 | LTD | 0.150 | 2 | 12 | |
| Grates Cove | | | | | | | | | | | | | | | | | | | |
| Grates Cove Centre | #1C Well | Mar 13, 2018 | 98.00 | LTD | 240.0 | 91.00 | 7.79 | 140 | | 0.14 | LTD | LTD | 24.00 | 21 | LTD | 0.480 | 15 | 4 | |
| Happy Valley-Goose Bay | | | | | | | | | | | | | | | | | | | |
| Happy Valley-Goose Bay | Spring Gulch | Feb 22, 2018 | 17.00 | LTD | 35.0 | 14.00 | 6.86 | 30 | | 0.24 | LTD | LTD | 3.10 | 3 | 0.400 | 1.400 | 1 | LTD | |
| Happy Valley-Goose Bay | Well Field (connect summer 2002) | Feb 22, 2018 | 21.00 | LTD | 92.0 | 21.00 | 6.98 | 59 | | 0.30 | LTD | LTD | 3.70 | 16 | 0.380 | 1.700 | 9 | 2 | |
| Harbour Grace | | | | | | | | | | | | | | | | | | | |
| Harbour Grace South Upper | Southside Wellfield (Well #1 & Well #2) | Mar 08, 2018 | 84.00 | LTD | 190.0 | 61.00 | 7.60 | 120 | | 0.29 | LTD | LTD | 18.00 | 10 | LTD | 0.480 | 17 | 7 | |
| Thickett | #2 Thicket New Well | Mar 08, 2018 | 75.00 | 6 | 290.0 | 100.00 | 7.75 | 160 | | 0.20 | LTD | LTD | 27.00 | 45 | LTD | 0.460 | 16 | 7 | |
| Isle aux Morts | | | | | | | | | | | | | | | | | | | |
| Isle aux Morts | Burnt Ground Pond | Jan 24, 2018 | LTD | <u>33</u> | 110.0 | 15.00 | <u>4.94</u> | 55 | | 0.48 | LTD | LTD | 2.50 | 29 | LTD | 0.440 | 14 | 5 | |
| La Poile | | | | | | | | | | | | | | | | | | | |

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| Serviced Area(s) | Source Name | Sample Date | Alkalinity | Colour | Conductivity | Hardness | pH | TDS | TSS | Turbidity | Boron | Bromide | Calcium | Chloride | Fluoride | Potassium | Sodium | Sulphate | | |
|---|--------------------------------|--------------|--|------------|--------------|----------|-------------|-----|------|--|-------|---------|---------|----------|----------|-----------|--------|----------|------|--|
| | | | Units | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | NTU | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | |
| | | | Guidelines for Canadian Drinking Water Quality | 15 | 6.5 - 8.5 | 500 | 1.0 | 5.0 | 250 | 1.5 | 200 | 500 | | | | | | | | |
| | | | Aesthetic (A) or Contaminant (C) Parameter | A | A | A | C | C | A | C | A | A | | | | | | | | |
| La Poile | | | | | | | | | | | | | | | | | | | | |
| La Poile | Black Duck Pond | Jan 10, 2018 | LTD | <u>110</u> | 71.0 | 11.00 | <u>5.79</u> | 34 | | 0.41 | LTD | LTD | 2.00 | 18 | LTD | 0.430 | 8 | LTD | | |
| Labrador City | | | | | | | | | | | | | | | | | | | | |
| Labrador City | Beverly Lake | Feb 15, 2018 | 52.00 | LTD | 99.0 | 49.00 | 7.44 | 61 | | 0.25 | LTD | LTD | 11.00 | 3 | LTD | 1.400 | 1 | 3 | | |
| Lewisporte | | | | | | | | | | | | | | | | | | | | |
| Lewisporte | Stanhope Pond | Jan 15, 2018 | 14.00 | <u>17</u> | 60.0 | 17.00 | 6.87 | 32 | | 0.35 | LTD | LTD | 4.90 | 9 | LTD | 0.220 | 4 | LTD | | |
| Marystown | | | | | | | | | | | | | | | | | | | | |
| Marystown | Fox Hill Reservoir / Clam Pond | Feb 14, 2018 | 14.00 | LTD | 110.0 | 11.00 | 6.90 | 59 | | 0.27 | LTD | LTD | 3.20 | 25 | LTD | 0.230 | 16 | 3 | | |
| Mount Pearl | | | | | | | | | | | | | | | | | | | | |
| Mount Pearl | Bay Bulls Big Pond | Mar 08, 2018 | 23.00 | LTD | 91.0 | 27.00 | 7.39 | 50 | | 0.13 | LTD | LTD | 9.70 | 15 | LTD | 0.220 | 7 | LTD | | |
| Newman's Cove | | | | | | | | | | | | | | | | | | | | |
| Newman's Cove | Heale Pond Brook | Mar 06, 2018 | 6.60 | <u>130</u> | 72.0 | 9.60 | <u>6.02</u> | 40 | | 0.78 | LTD | LTD | 1.90 | 16 | LTD | 0.400 | 10 | LTD | | |
| Norris Arm | | | | | | | | | | | | | | | | | | | | |
| Norris Arm (south) | Mill Lake | Jan 15, 2018 | 6.60 | 7 | 40.0 | 11.00 | 6.50 | 23 | | 0.12 | LTD | LTD | 3.10 | 7 | LTD | 0.320 | 2 | LTD | | |
| Northern Arm | | | | | | | | | | | | | | | | | | | | |
| Northern Arm | Northern Arm Lake | Mar 02, 2018 | 12.00 | LTD | 62.0 | 25.00 | 7.05 | 37 | | 0.17 | LTD | LTD | 9.10 | 4 | LTD | 0.140 | 2 | 12 | | |
| Paradise | | | | | | | | | | | | | | | | | | | | |
| Paradise | Bay Bulls Big Pond | Mar 08, 2018 | 23.00 | LTD | 93.0 | 27.00 | 7.29 | 49 | | 0.19 | LTD | LTD | 9.70 | 15 | LTD | 0.210 | 7 | LTD | | |
| Port au Choix | | | | | | | | | | | | | | | | | | | | |
| Port au Choix | Well Field | Mar 07, 2018 | 180.00 | 15 | 430.0 | 200.00 | 7.57 | 230 | | 1.90 | LTD | LTD | 61.00 | 31 | LTD | 0.790 | 13 | 6 | | |
| Port au Port West-Aguathuna-Felix Cove | | | | | | | | | | | | | | | | | | | | |
| Port au Port West, Aguathuna | #1 & #3 & #6 FatherJoy's Well | Feb 26, 2018 | 200.00 | LTD | 500.0 | 210.00 | 7.86 | 280 | | 0.14 | 0.06 | LTD | 57.00 | 42 | 0.360 | 2.200 | 24 | 12 | | |
| Portugal Cove-St. Phillips | | | | | | | | | | | | | | | | | | | | |
| Portugal Cove-St. Phillips | Bay Bulls Big Pond | Mar 08, 2018 | 24.00 | LTD | 93.0 | 28.00 | 7.27 | 51 | | 0.12 | LTD | LTD | 10.00 | 15 | LTD | 0.240 | 7 | LTD | | |
| Random Sound West | | | | | | | | | | | | | | | | | | | | |

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| Serviced Area(s) | Source Name | Sample Date | Alkalinity | Colour | Conductivity | Hardness | pH | TDS | TSS | Turbidity | Boron | Bromide | Calcium | Chloride | Fluoride | Potassium | Sodium | Sulphate |
|---|--------------------------------|--------------|------------|-----------|--------------|----------|-------------|------|------|-----------|-------|---------|---------|----------|----------|-----------|--------|----------|
| | | | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | | | | 15 | | | 6.5 - 8.5 | 500 | | 1.0 | 5.0 | | 250 | 1.5 | | 200 | | 500 |
| | | | | A | | | A | A | | C | C | | A | C | | A | | A |
| Random Sound West | | | | | | | | | | | | | | | | | | |
| Queen's Cove | Reservoir | Mar 05, 2018 | 11.00 | 8 | 56.0 | 12.00 | 6.81 | 35 | | 0.29 | LTD | LTD | 3.60 | 9 | LTD | 0.180 | 6 | 3 |
| Reidville | | | | | | | | | | | | | | | | | | |
| Reidville | Humber Canal, Grand Lake | Feb 22, 2018 | 12.00 | 11 | 40.0 | 13.00 | 6.78 | 23 | | 0.15 | LTD | LTD | 4.00 | 5 | LTD | 0.260 | 2 | LTD |
| Small Point-Adam's Cove-Blackhead-Broad Cove | | | | | | | | | | | | | | | | | | |
| Adam's Cove | #1 Well - Reg Bursey Well | Feb 22, 2018 | 96.00 | LTD | 250.0 | 84.00 | 7.62 | 150 | | LTD | LTD | LTD | 23.00 | 17 | 0.120 | 0.570 | 21 | 15 |
| Broad Cove | #6 Well - Herb Trickett Well | Feb 22, 2018 | 110.00 | LTD | 290.0 | 110.00 | 7.75 | 170 | | 0.10 | LTD | LTD | 30.00 | 24 | 0.100 | 1.000 | 19 | 10 |
| Small Point | #8 Well - Effie Flight Wells | Feb 22, 2018 | 83.00 | LTD | 290.0 | 93.00 | 7.56 | 170 | | 0.10 | LTD | LTD | 22.00 | 37 | LTD | 0.790 | 23 | 8 |
| Small Point | #9 Well - Walter Reynolds Well | Feb 22, 2018 | 27.00 | 5 | 130.0 | 31.00 | 6.58 | 79 | | LTD | LTD | LTD | 8.50 | 21 | LTD | 0.760 | 13 | 5 |
| St. Anthony | | | | | | | | | | | | | | | | | | |
| St. Anthony | St. Anthony Pond | Mar 06, 2018 | 17.00 | <u>31</u> | 68.0 | 25.00 | 6.84 | 36 | | 0.30 | LTD | LTD | 2.70 | 10 | LTD | 0.290 | 3 | LTD |
| St. John's | | | | | | | | | | | | | | | | | | |
| St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS) | Bay Bulls Big Pond | Mar 08, 2018 | 23.00 | LTD | 92.0 | 27.00 | 7.34 | 50 | | 0.61 | LTD | LTD | 9.80 | 15 | LTD | 0.230 | 7 | LTD |
| St. John's | Windsor Lake | Mar 09, 2018 | 22.00 | LTD | 130.0 | 27.00 | 7.21 | 65 | | 0.14 | LTD | LTD | 9.50 | 24 | LTD | 0.330 | 14 | 2 |
| St. John's | Petty Harbour Long Pond | Mar 09, 2018 | 39.00 | LTD | 100.0 | 39.00 | 7.42 | 56 | | 0.17 | LTD | LTD | 14.00 | 11 | LTD | 0.260 | 5 | LTD |
| St. Pauls | | | | | | | | | | | | | | | | | | |
| St. Pauls | Two Mile Pond | Feb 23, 2018 | 40.00 | <u>16</u> | 190.0 | 56.00 | 7.22 | 100 | | 0.44 | LTD | LTD | 17.00 | 34 | LTD | 0.760 | 15 | 5 |
| Steady Brook | | | | | | | | | | | | | | | | | | |
| Steady Brook | Wellfield and Steady Brook | Mar 14, 2018 | 47.00 | 10 | 290.0 | 100.00 | 7.54 | 170 | | 0.23 | LTD | LTD | 38.00 | 29 | LTD | 1.200 | 13 | 47 |
| Stephenville | | | | | | | | | | | | | | | | | | |
| Stephenville | Well Field | Feb 26, 2018 | 160.00 | LTD | 360.0 | 160.00 | 7.74 | 210 | | 0.12 | LTD | LTD | 48.00 | 19 | LTD | 1.000 | 17 | 8 |
| Terrenceville | | | | | | | | | | | | | | | | | | |
| Terrenceville | Big Brook | Feb 13, 2018 | 5.80 | <u>16</u> | 59.0 | 3.50 | <u>6.29</u> | 31 | | 0.40 | LTD | LTD | 0.68 | 15 | LTD | 0.240 | 9 | LTD |
| Wabana | | | | | | | | | | | | | | | | | | |

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| Serviced Area(s) | Source Name | Sample Date | Alkalinity | Colour | Conductivity | Hardness | pH | TDS | TSS | Turbidity | Boron | Bromide | Calcium | Chloride | Fluoride | Potassium | Sodium | Sulphate |
|--|----------------|--------------|------------|--------|--------------|----------|-------------|------|------|-----------|-------|---------|---------|----------|----------|-----------|--------|----------|
| | | | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | NTU | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Guidelines for Canadian Drinking Water Quality | | | | 15 | 6.5 - 8.5 | 500 | 1.0 | 5.0 | 250 | 1.5 | 200 | 500 | | | | | | |
| Aesthetic (A) or Contaminant (C) Parameter | | | | A | A | A | C | C | A | C | A | A | | | | | | |
| Wabana | | | | | | | | | | | | | | | | | | |
| Wabana | Mixed Supplies | Feb 28, 2018 | 120.00 | LTD | 400.0 | 130.00 | 7.91 | 220 | | 0.24 | LTD | LTD | 44.00 | 39 | 0.120 | 1.600 | 32 | 15 |
| Wabana - PWDU | Mixed Supplies | Feb 28, 2018 | LTD | LTD | 7.7 | LTD | <u>6.33</u> | 3 | | 0.16 | LTD | LTD | 0.24 | 1 | LTD | LTD | 1 | LTD |

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|------------------|--|-------------|------------|--------|--------------|----------|-----------|------|------|-----------|-------|---------|---------|----------|----------|-----------|--------|----------|
| | | Units | mg/L | TCU | µS/cm | mg/L | | mg/L | mg/L | NTU | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | Guidelines for Canadian Drinking Water Quality | | | 15 | | | 6.5 - 8.5 | 500 | | 1.0 | 5.0 | | | 250 | 1.5 | | 200 | 500 |
| | Aesthetic (A) or Contaminant (C) Parameter | | A | | | | A | A | | C | C | | | A | C | | A | A |

Tap water samples are collected semi annually from drinking water faucets of one or more homes, public buildings, or businesses in your community. Tap or treated water quality is monitored to check its compliance with the Guidelines for Canadian Drinking Water Quality (GCDWQ). Tap water quality is also monitored so that water that is being consumed at the tap can be compared with the untreated source water quality. Any variations between source and tap water quality represents the effectiveness of the treatment and disinfection system, and the influences of the distribution system due to plumbing in local homes, public buildings, or businesses. The values for each parameter are as reported by the lab and verified by the department.

Quality Assurance / Quality Control (QA/QC) - The department is striving to improve the quality of the data using standard QA/QC protocols. This is an evolving process which may result in minor changes to the reported data.

LTD - Less Than Detection Limit - The detection limit is the lowest concentration of a substance that can be determined using a particular test method and instrument. Detection limits vary from parameter to parameter and change from time to time due to improvements in analytical procedures and equipment.

The exceedance report for tap water provides a brief discussion and interpretation of health related water quality parameters, if any, that exceed the acceptable limits as set out in the GCDWQ.

Aesthetic (A) Parameters - Aesthetic parameters reflect substances or characteristics of drinking water that can affect its acceptance by consumers but which usually do not pose any health effects. Aesthetic exceedances are highlighted in **blue text** and underlined.

Contaminants (C) - Contaminants are substances that are known or suspected to cause adverse effects on the health of some people when present in concentrations greater than the established Maximum Acceptable Concentrations (MACs) or the Interim Maximum Acceptable Concentrations (IMACs) of the GCDWQ. Each MAC has been derived to safeguard health assuming lifelong consumption of drinking water containing the substance at that concentration. IMACs are reviewed periodically as new information becomes available. Please consult your Medical Officer of Health for additional information on the health aspects on contaminants. Contaminant exceedances are highlighted in **red text** and enclosed in a box.

The reported information is for supplies selected for sampling and may not include all public water supplies.

Contaminant Exceedances X.XX

Aesthetic Exceedances **X.XX**

Turbidity - The maximum acceptable concentration for turbidity is 1 NTU. Turbidity refers to the water's ability to transmit light or the cloudiness of the water. Turbidity in tap water can be the result of turbid raw water and influences within the distribution system. Turbidity is usually the result of fine organic and inorganic particles which do not settle out. Increased turbidity of drinking water results in it being less aesthetically pleasing, and may interfere with the disinfection process.

Boron - The interim maximum acceptable concentration for boron in drinking water is 5.0 mg/L. Boron is widespread in the environment, occurring naturally in over 80 minerals and in the earth's crust. Levels in well water have been reported to be more variable and often higher than those in surface waters, most likely due to erosion from natural resources. High levels of this contaminant can cause adverse health effects for some people

Fluoride - The maximum acceptable concentration for fluoride in drinking water is 1.5mg/L. The fluoride concentration in natural water varies widely as it depends on such factors as the source of the water and the geological formations present. Trace amounts of fluoride may be essential for human nutrition and the presence of small quantities leads to a reduction of dental caries. High levels of this contaminant can cause adverse health effects for some people.

Colour - An aesthetic objective of 15 true colour units (TCU) has been established for colour in drinking water. Colour in drinking water may be due to the presence of coloured organic substances or metals such as iron, manganese and copper. Highly coloured industrial wastes also contribute to colour. The presence of colour is not directly linked to health but it can be aesthetically displeasing.

pH - The acceptable range for drinking water pH is 6.5 - 8.5. The control of pH is primarily based on minimizing corrosion and encrustation in the distribution system. Tap water with low pH may accelerate the corrosion process in the distribution system, and contribute to increased levels of copper, lead and possibly other metals. Incrustation and scaling problems may become more frequent above pH 8.5

TDS - The aesthetic objective for TDS in drinking water is 500 mg/L. The term "total dissolved solids"(TDS) refers mainly to the inorganic substances that are dissolved in water. At low levels TDS contributes to the palatability of water. At high levels it may cause excessive hardness, taste, mineral deposition and corrosion.

Chloride - The aesthetic objective for chloride in drinking water is 250 mg/L. Chloride can be in water from a variety of sources, including the dissolution of salt deposits and salting of roads for ice control. No evidence has been found suggesting that ingestion of chloride is harmful to humans. However, high levels of chloride in water can impart undesirable tastes to water and beverages prepared from water.

Sodium - The aesthetic objective for sodium in drinking water is 200 mg/L. Since the body has very effective means to control levels of sodium, sodium is not an acutely toxic element in the normal range of environmental or dietary concentrations. At extremely high dosages it has adverse health effects. Sodium levels may be of interest to authorities who wish to prescribe sodium restricted diets for their patients..

Sulphate - The aesthetic objective for sulphate in drinking water is 500 mg/L. Sulphates, which occur naturally in numerous minerals, are used in the mining and pulping industries and in wood preservation. Large quantities of sulphate can result in catharsis and gastrointestinal irritation. The presence of sulphate above the aesthetic limit can result in noticeable taste. Some sensitive individuals may find the taste objectionable at lower sulphate concentrations

mg/L = milligrams per litre or parts per million µS/cm = micro Siemens per centimeter NTU = nephelometric turbidity units TDS = total dissolved solids TSS = total suspended solids TCU = true colour units Nitrate(ite) = Nitrate + Nitrite DOC = dissolved organic carbon

Notes:
Guidelines for Canadian Drinking Water Quality have not been developed for all the parameters listed in this report.
pH has no units