Newfoundland Labrador

**Water Resources Management Division**

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | Guidelines for Canadian Drinking Water Quality | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| | Aesthetic (A) or Contaminant (C) Parameter | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | A |
| **Bay Roberts** | | | | | | | | | | | | | | | | | | | | | | | |
| Bay Roberts | Rocky Pond | Mar 13, 2023 | LTD | 1.9 | 0.053 | 0.210 | 0.008 | 0.028 | LTD | LTD | 0.002 | LTD | LTD | 0.260 | 0.061 | 0.001 | 0.700 | 0.005 | LTD | LTD | LTD | LTD | 0.008 |
| **Bay St. George South** | | | | | | | | | | | | | | | | | | | | | | | |
| Highlands | #3 Brian Pumphrey Well Highlands | Mar 07, 2023 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.039 | LTD | LTD | 0.010 | LTD | LTD | 20.000 | 0.004 | LTD | LTD | LTD | 0.0044 | LTD |
| **Birchy Bay** | | | | | | | | | | | | | | | | | | | | | | | |
| Birchy Bay | Jumper's Pond | Feb 07, 2023 | LTD | 11.0 | 0.190 | 0.350 | 0.005 | 0.087 | LTD | LTD | 0.007 | LTD | LTD | 0.090 | 0.140 | LTD | 0.960 | 0.016 | LTD | LTD | LTD | LTD | LTD |
| **Brent's Cove** | | | | | | | | | | | | | | | | | | | | | | | |
| Brent's Cove | Paddy's Pond | Mar 14, 2023 | 0.140 | 21.0 | LTD | 0.430 | LTD | 0.470 | LTD | LTD | 0.009 | 0.00005 | 0.00160 | 0.660 | 1.300 | 0.004 | 1.300 | 0.260 | LTD | LTD | LTD | 0.0002 | 0.038 |
| **Centreville-Wareham-Trinity** | | | | | | | | | | | | | | | | | | | | | | | |
| Trinity | Southwest Feeder Pond | Feb 22, 2023 | 0.057 | 6.6 | LTD | 0.180 | 0.010 | 0.130 | LTD | LTD | 0.001 | LTD | LTD | 0.100 | 0.089 | LTD | 0.480 | 0.006 | LTD | LTD | LTD | 0.0001 | LTD |
| **Change Islands** | | | | | | | | | | | | | | | | | | | | | | | |
| Change Islands - PWDU | #1 Fox Cove Well | Feb 28, 2023 | LTD | LTD | LTD | LTD | LTD | 0.013 | LTD | LTD | LTD | LTD | LTD | 0.001 | LTD | LTD | 0.110 | LTD | LTD | LTD | LTD | LTD | LTD |
| **Channel-Port aux Basques** | | | | | | | | | | | | | | | | | | | | | | | |
| Channel-Port Aux Basques | Gull Pond & Wilcox Pond | Feb 08, 2023 | 0.059 | 1.2 | LTD | LTD | LTD | 0.091 | LTD | LTD | 0.002 | LTD | LTD | LTD | 0.058 | LTD | 0.650 | 0.004 | LTD | LTD | LTD | LTD | LTD |
| **Clarenville** | | | | | | | | | | | | | | | | | | | | | | | |
| Clarenville, Shoal Harbour | Shoal Harbour River | Feb 23, 2023 | LTD | 2.0 | 0.100 | 0.140 | LTD | 0.190 | LTD | LTD | 0.003 | LTD | LTD | 0.001 | LTD | LTD | 0.420 | 0.010 | LTD | LTD | LTD | LTD | LTD |
| **Conception Bay South** | | | | | | | | | | | | | | | | | | | | | | | |
| Conception Bay South | Bay Bulls Big Pond | Feb 27, 2023 | 0.260 | 1.7 | 0.069 | 0.400 | 0.004 | 0.097 | LTD | LTD | 0.001 | LTD | LTD | 0.019 | LTD | LTD | 0.560 | 0.011 | LTD | LTD | LTD | LTD | LTD |
| **Corner Brook** | | | | | | | | | | | | | | | | | | | | | | | |
| Corner Brook (+Massey Drive, +Mount Moriah) | Trout Pond, Third Pond (2 intakes) | Mar 13, 2023 | 0.091 | 1.3 | 0.090 | 0.100 | 0.330 | 0.008 | LTD | LTD | 0.003 | LTD | LTD | 0.006 | LTD | LTD | 1.200 | LTD | LTD | LTD | LTD | LTD | 0.092 |
| **Deep Bight** | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Bight | Deep Bight River | Mar 07, 2023 | LTD | 6.3 | 0.066 | LTD | LTD | 0.120 | LTD | LTD | 0.003 | LTD | LTD | 0.009 | 0.180 | LTD | 0.550 | LTD | LTD | LTD | LTD | LTD | 0.007 |
| **Ferryland** | | | | | | | | | | | | | | | | | | | | | | | |
| Ferryland | Deep Cove Pond | Jan 17, 2023 | LTD | 2.0 | LTD | 0.100 | LTD | 0.033 | LTD | LTD | 0.004 | 0.00002 | LTD | 0.006 | LTD | LTD | 0.850 | 0.005 | LTD | LTD | LTD | LTD | 0.009 |
| **Fleur de Lys** | | | | | | | | | | | | | | | | | | | | | | | |

Newfoundland Labrador

**Water Resources Management Division**

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | | | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Guidelines for Canadian Drinking Water Quality | | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| Aesthetic (A) or Contaminant (C) Parameter | | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | A |
| **Fleur de Lys** | | | | | | | | | | | | | | | | | | | | | | | |
| Fleur De Lys | First Pond, Narrow Pond | Mar 08, 2023 | 0.070 | 15.0 | LTD | 0.360 | 0.017 | 0.290 | LTD | LTD | 0.009 | 0.00001 | LTD | 0.160 | **0.690** | 0.001 | 1.300 | **0.048** | LTD | LTD | LTD | 0.0002 | 0.017 |
| **Fox Roost-Margaree** | | | | | | | | | | | | | | | | | | | | | | | |
| Fox Roost-Margaree - PWDU | Drilled Well and Margaree Pond | Feb 08, 2023 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.008 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD |
| **Freshwater** | | | | | | | | | | | | | | | | | | | | | | | |
| Freshwater (Carbonear) | #3 Well - Wallace Snow Well | Feb 13, 2023 | LTD | LTD | 1.700 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.013 | LTD | LTD | 10.000 | LTD | LTD | LTD | 0.001 | LTD | 0.008 |
| **Gander** | | | | | | | | | | | | | | | | | | | | | | | |
| Gander | Gander Lake | Mar 01, 2023 | 0.350 | 5.6 | 0.180 | 0.600 | 0.010 | 0.100 | LTD | LTD | 0.001 | LTD | LTD | 0.220 | 0.064 | 0.001 | 0.600 | LTD | LTD | LTD | LTD | LTD | LTD |
| **Gander Bay South** | | | | | | | | | | | | | | | | | | | | | | | |
| George's Point, Harris Point | Barry's Brook | Mar 01, 2023 | LTD | 11.0 | 0.210 | 0.400 | 0.006 | 0.120 | LTD | LTD | 0.001 | LTD | 0.00140 | 0.021 | 0.150 | LTD | 2.000 | 0.005 | LTD | LTD | LTD | LTD | LTD |
| Gander Bay South - PWDU | Barry's Brook | Mar 01, 2023 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.013 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.006 |
| **Georgetown** | | | | | | | | | | | | | | | | | | | | | | | |
| Georgetown | Third Pond | Feb 17, 2023 | LTD | 4.3 | 0.160 | 0.230 | LTD | 0.075 | LTD | LTD | 0.007 | 0.00001 | LTD | 0.003 | 0.054 | LTD | 0.930 | 0.013 | LTD | LTD | LTD | LTD | LTD |
| **Grand Falls-Windsor** | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Falls-Windsor (+Bishop's Falls, +Wooddale, +Botwood, +Peterview) | Northern Arm Lake | Jan 24, 2023 | LTD | 2.6 | LTD | 0.100 | LTD | 0.260 | LTD | LTD | 0.003 | 0.00001 | LTD | 0.001 | **0.320** | LTD | 0.230 | 0.006 | LTD | LTD | LTD | LTD | LTD |
| **Grates Cove** | | | | | | | | | | | | | | | | | | | | | | | |
| Grates Cove Centre | #1C Well | Jan 25, 2023 | LTD | 0.7 | LTD | LTD | LTD | 0.011 | LTD | 0.002 | LTD | LTD | LTD | 0.022 | LTD | LTD | 7.000 | LTD | LTD | LTD | LTD | 0.0026 | LTD |
| **Happy Valley-Goose Bay** | | | | | | | | | | | | | | | | | | | | | | | |
| Happy Valley-Goose Bay | Spring Gulch | Mar 03, 2023 | LTD | LTD | LTD | LTD | 0.007 | 0.019 | LTD | LTD | 0.003 | LTD | 0.00180 | 0.020 | **0.460** | LTD | 1.300 | 0.012 | LTD | LTD | LTD | LTD | LTD |
| Happy Valley-Goose Bay | Well Field (connect summer 2002) | Mar 03, 2023 | LTD | LTD | LTD | 0.110 | 0.009 | 0.015 | LTD | LTD | 0.004 | LTD | LTD | 0.087 | 0.064 | LTD | 4.300 | 0.008 | LTD | LTD | LTD | LTD | 0.012 |
| **Harbour Grace** | | | | | | | | | | | | | | | | | | | | | | | |
| Harbour Grace South Upper | Southside Wellfield (Well #1 & #2) | Jan 20, 2023 | LTD | 0.6 | LTD | 0.250 | 0.016 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 6.700 | LTD | LTD | LTD | LTD | LTD | LTD |
| Thickett | #2 Thicket New Well | Mar 13, 2023 | LTD | LTD | 0.320 | LTD | LTD | LTD | LTD | LTD | 0.160 | LTD | LTD | 0.002 | LTD | LTD | 8.200 | LTD | LTD | LTD | 0.001 | 0.0009 | LTD |
| **Heart's Content** | | | | | | | | | | | | | | | | | | | | | | | |

Water Resources
Management Division

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | | | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Guidelines for Canadian Drinking Water Quality | | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| Aesthetic (A) or Contaminant (C) Parameter | | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | A |
| **Heart's Content** | | | | | | | | | | | | | | | | | | | | | | | |
| Heart's Content | Southern Cove Pond | Jan 31, 2023 | LTD | 4.5 | LTD | 0.150 | 0.005 | 0.099 | LTD | LTD | 0.001 | LTD | LTD | 0.026 | 0.099 | LTD | 0.470 | 0.005 | LTD | LTD | LTD | LTD | LTD |
| **Humber Arm South** | | | | | | | | | | | | | | | | | | | | | | | |
| Frenchman's Cove Area | Gurges Pond | Jan 31, 2023 | LTD | 4.0 | LTD | LTD | LTD | 0.013 | LTD | LTD | 0.009 | LTD | LTD | 0.004 | LTD | 0.001 | 1.900 | 0.004 | LTD | LTD | LTD | LTD | LTD |
| **King's Point** | | | | | | | | | | | | | | | | | | | | | | | |
| King's Point | Bulley's Pond | Feb 14, 2023 | 0.059 | 5.0 | 0.075 | 0.160 | 0.008 | 0.150 | LTD | LTD | 0.003 | LTD | LTD | 0.390 | **0.410** | 0.001 | 0.480 | **0.030** | LTD | LTD | LTD | LTD | LTD |
| **Labrador City** | | | | | | | | | | | | | | | | | | | | | | | |
| Labrador City | Beverly Lake | Feb 21, 2023 | 0.060 | 2.0 | 0.062 | 0.100 | LTD | LTD | LTD | LTD | 0.012 | LTD | LTD | 0.036 | LTD | LTD | 5.000 | 0.007 | LTD | LTD | LTD | LTD | LTD |
| **Lewisporte** | | | | | | | | | | | | | | | | | | | | | | | |
| Lewisporte | Stanhope Pond | Jan 31, 2023 | 0.053 | 8.9 | 0.100 | 0.160 | 0.006 | 0.076 | LTD | LTD | 0.002 | LTD | LTD | 0.038 | 0.140 | LTD | 1.100 | 0.004 | LTD | LTD | LTD | LTD | LTD |
| **Marystown** | | | | | | | | | | | | | | | | | | | | | | | |
| Marystown | Fox Hill Reservoir / Clam Pond | Feb 27, 2023 | LTD | 1.9 | 0.055 | LTD | LTD | 0.120 | LTD | LTD | 0.003 | LTD | LTD | 0.002 | LTD | LTD | 0.660 | LTD | LTD | LTD | LTD | LTD | LTD |
| **Mount Pearl** | | | | | | | | | | | | | | | | | | | | | | | |
| Mount Pearl | Bay Bulls Big Pond | Feb 28, 2023 | 0.270 | 1.7 | 0.100 | 0.380 | 0.005 | 0.110 | LTD | LTD | 0.001 | LTD | LTD | 0.052 | LTD | 0.001 | 0.620 | 0.011 | LTD | LTD | LTD | LTD | LTD |
| **Norris Arm** | | | | | | | | | | | | | | | | | | | | | | | |
| Norris Arm (south) | Mill Lake | Jan 31, 2023 | LTD | 4.5 | LTD | LTD | LTD | 0.041 | LTD | LTD | 0.002 | LTD | LTD | 0.410 | 0.082 | 0.001 | 0.720 | 0.003 | LTD | LTD | LTD | LTD | LTD |
| **Paradise** | | | | | | | | | | | | | | | | | | | | | | | |
| Paradise | Bay Bulls Big Pond | Feb 27, 2023 | 0.250 | 1.7 | 0.063 | 0.380 | LTD | 0.120 | LTD | LTD | 0.001 | LTD | LTD | 0.020 | LTD | LTD | 0.560 | 0.011 | LTD | LTD | LTD | LTD | LTD |
| **Point of Bay** | | | | | | | | | | | | | | | | | | | | | | | |
| Point of Bay | Indian Cove Pond | Jan 25, 2023 | LTD | 6.9 | 0.072 | 0.200 | LTD | 0.078 | LTD | LTD | 0.001 | LTD | LTD | 0.180 | LTD | 0.001 | 1.000 | 0.003 | LTD | LTD | LTD | LTD | 0.009 |
| **Port Blandford** | | | | | | | | | | | | | | | | | | | | | | | |
| Port Blandford | Noseworthy's Pond | Feb 23, 2023 | LTD | 7.7 | 0.090 | 0.250 | 0.009 | 0.086 | LTD | LTD | 0.003 | LTD | LTD | 0.140 | 0.140 | 0.001 | 0.530 | 0.003 | LTD | LTD | LTD | LTD | 0.022 |
| **Port au Choix** | | | | | | | | | | | | | | | | | | | | | | | |
| Port au Choix | Well Field | Mar 02, 2023 | 0.170 | 5.7 | LTD | 0.300 | LTD | 0.009 | LTD | LTD | 0.005 | LTD | LTD | 0.260 | LTD | LTD | 12.000 | 0.009 | LTD | LTD | LTD | 0.0001 | LTD |
| **Port au Port West-Aguathuna-Felix Cove** | | | | | | | | | | | | | | | | | | | | | | | |

Water Resources
Management Division

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Units | | | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Guidelines for Canadian Drinking Water Quality | | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| Aesthetic (A) or Contaminant (C) Parameter | | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | A |
| **Port au Port West-Aguathuna-Felix Cove** | | | | | | | | | | | | | | | | | | | | | | | |
| Port au Port West, Aguathuna | #1 & #3 & #6 FatherJoy's Well | Feb 06, 2023 | LTD | 2.1 | 0.082 | 0.110 | LTD | 0.008 | LTD | LTD | 0.100 | 0.00001 | LTD | 0.083 | LTD | 0.002 | 16.000 | LTD | LTD | LTD | LTD | 0.0010 | 0.017 |
| **Portugal Cove-St. Phillips** | | | | | | | | | | | | | | | | | | | | | | | |
| Portugal Cove-St. Phillips | Bay Bulls Big Pond | Feb 28, 2023 | 0.250 | 2.0 | 0.097 | 0.390 | 0.005 | 0.120 | LTD | LTD | 0.001 | 0.00001 | LTD | 0.036 | LTD | LTD | 0.630 | 0.008 | LTD | LTD | LTD | LTD | LTD |
| **Pouch Cove** | | | | | | | | | | | | | | | | | | | | | | | |
| Pouch Cove | North Three Island Pond | Mar 02, 2023 | LTD | 1.0 | LTD | LTD | 0.007 | 0.010 | LTD | LTD | 0.002 | LTD | LTD | 0.140 | LTD | LTD | 0.650 | LTD | LTD | LTD | LTD | LTD | 0.006 |
| **Ramea** | | | | | | | | | | | | | | | | | | | | | | | |
| Ramea | Northwest Pond | Mar 12, 2023 | 0.060 | 3.0 | 0.098 | 0.120 | LTD | 0.065 | LTD | LTD | 0.002 | 0.00002 | LTD | 0.005 | **0.910** | 0.001 | 9.000 | 0.015 | LTD | LTD | LTD | LTD | 0.033 |
| Ramea - PWDU | Northwest Pond | Mar 12, 2023 | LTD | LTD | 0.095 | LTD | LTD | 0.032 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 5.000 | LTD | LTD | LTD | LTD | LTD | LTD |
| **Reidville** | | | | | | | | | | | | | | | | | | | | | | | |
| Reidville | Humber Canal, Grand Lake | Mar 13, 2023 | LTD | 3.5 | 0.140 | LTD | LTD | 0.059 | LTD | LTD | 0.005 | LTD | LTD | 0.130 | LTD | LTD | 0.690 | LTD | LTD | LTD | LTD | LTD | LTD |
| **Salvage** | | | | | | | | | | | | | | | | | | | | | | | |
| Salvage | Wild Cove Pond | Mar 07, 2023 | 0.051 | 13.0 | 0.059 | 0.260 | LTD | 0.300 | LTD | LTD | 0.005 | 0.00002 | LTD | 0.240 | **0.390** | 0.001 | 1.400 | 0.015 | LTD | LTD | LTD | LTD | 0.017 |
| **Small Point-Adam's Cove-Blackhead-Broad Cove** | | | | | | | | | | | | | | | | | | | | | | | |
| Adam's Cove | #1 Well - Reg Bursey Well | Feb 13, 2023 | LTD | LTD | 0.270 | LTD | LTD | LTD | LTD | 0.002 | 0.061 | LTD | LTD | 0.007 | LTD | LTD | 6.300 | LTD | LTD | LTD | 0.001 | 0.0002 | 0.010 |
| Broad Cove | #6 Well - Herb Trickett Well | Feb 13, 2023 | LTD | 0.9 | 0.190 | LTD | LTD | LTD | LTD | LTD | 0.130 | LTD | LTD | 0.006 | LTD | LTD | 7.100 | 0.010 | LTD | LTD | LTD | 0.0003 | LTD |
| Small Point | #8 Well - Effie Flight Wells | Feb 13, 2023 | LTD | LTD | 1.600 | LTD | LTD | LTD | LTD | 0.009 | 0.140 | LTD | LTD | 0.006 | LTD | LTD | 11.000 | LTD | LTD | LTD | 0.003 | 0.0041 | LTD |
| Small Point | #9 Well - Walter Reynolds Well | Feb 13, 2023 | LTD | 0.6 | 1.700 | LTD | 0.007 | 0.005 | LTD | LTD | 0.044 | 0.00001 | 0.00330 | 0.013 | LTD | LTD | 4.200 | LTD | LTD | LTD | LTD | 0.0003 | 0.007 |
| **St. Anthony** | | | | | | | | | | | | | | | | | | | | | | | |
| St. Anthony | St. Anthony Pond | Feb 28, 2023 | LTD | 5.6 | 0.094 | 0.210 | 0.010 | 0.035 | LTD | LTD | 0.002 | LTD | 0.00170 | 0.070 | 0.100 | 0.001 | 4.400 | 0.004 | LTD | 0.013 | LTD | LTD | LTD |
| **St. John's** | | | | | | | | | | | | | | | | | | | | | | | |
| St. John's (+Mt. Pearl, +Paradise, +Portugal Cove-St. Phillips, +CBS) | Bay Bulls Big Pond | Feb 28, 2023 | 0.250 | 2.0 | 0.095 | 0.410 | LTD | 0.140 | LTD | LTD | 0.001 | 0.00001 | LTD | 0.001 | LTD | LTD | 0.640 | 0.010 | LTD | LTD | LTD | LTD | 0.006 |
| St. John's | Windsor Lake | Mar 02, 2023 | LTD | 2.2 | LTD | LTD | LTD | 0.036 | LTD | LTD | 0.002 | LTD | LTD | 0.008 | LTD | LTD | 0.730 | 0.005 | LTD | LTD | LTD | LTD | LTD |

Newfoundland Labrador

**Water Resources Management Division**

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | Guidelines for Canadian Drinking Water Quality | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| | Aesthetic (A) or Contaminant (C) Parameter | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | A |
| **St. John's** | | | | | | | | | | | | | | | | | | | | | | | |
| St. John's | Petty Harbour Long Pond | Mar 02, 2023 | LTD | 1.9 | LTD | LTD | LTD | 0.030 | LTD | LTD | 0.002 | LTD | LTD | 0.001 | LTD | LTD | 0.650 | 0.011 | LTD | LTD | LTD | LTD | 0.009 |
| **St. Pauls** | | | | | | | | | | | | | | | | | | | | | | | |
| St. Pauls | Two Mile Pond | Feb 13, 2023 | LTD | 7.7 | 0.088 | 0.160 | 0.009 | 0.022 | LTD | LTD | 0.024 | LTD | LTD | 0.170 | 0.150 | LTD | 3.600 | 0.008 | LTD | LTD | LTD | 0.0001 | LTD |
| **Steady Brook** | | | | | | | | | | | | | | | | | | | | | | | |
| Steady Brook | Wellfield + Steady Brook | Feb 01, 2023 | LTD | 8.5 | 0.051 | LTD | LTD | 0.140 | 0.001200 | LTD | 0.005 | LTD | 0.00210 | 0.074 | 0.230 | LTD | 0.450 | 0.005 | LTD | LTD | LTD | LTD | 0.016 |
| **Stephenville** | | | | | | | | | | | | | | | | | | | | | | | |
| Stephenville | Well Field | Feb 07, 2023 | LTD | 0.6 | 0.170 | 0.120 | LTD | 0.010 | LTD | LTD | 0.053 | 0.00001 | LTD | 0.016 | 0.330 | LTD | 10.000 | 0.520 | LTD | LTD | LTD | 0.0004 | 0.008 |
| Stephenville | Well Field | Feb 22, 2023 | LTD | LTD | 0.210 | LTD | LTD | LTD | LTD | LTD | 0.048 | LTD | LTD | 0.001 | LTD | LTD | 9.600 | 0.040 | LTD | LTD | LTD | 0.0003 | LTD |
| Stephenville | Well Field | Feb 22, 2023 | LTD | LTD | 0.210 | 0.120 | 0.012 | LTD | LTD | LTD | 0.046 | LTD | LTD | 0.007 | LTD | LTD | 9.900 | 0.016 | LTD | LTD | LTD | 0.0003 | LTD |
| Stephenville | Well Field | Feb 22, 2023 | LTD | LTD | 0.210 | LTD | LTD | LTD | LTD | LTD | 0.046 | LTD | LTD | 0.019 | LTD | LTD | 9.400 | 0.010 | LTD | LTD | LTD | 0.0003 | 0.006 |
| **Sunnyside (T.B.)** | | | | | | | | | | | | | | | | | | | | | | | |
| Sunnyside | Center Cove River | Jan 26, 2023 | 0.056 | 7.3 | LTD | 0.140 | 0.006 | 0.180 | LTD | LTD | 0.005 | LTD | LTD | 0.098 | 0.150 | LTD | 0.460 | 0.011 | LTD | LTD | LTD | LTD | 0.007 |
| **Terrenceville** | | | | | | | | | | | | | | | | | | | | | | | |
| Terrenceville | Big Brook | Feb 27, 2023 | LTD | 4.6 | 0.064 | 0.180 | 0.008 | 0.140 | LTD | LTD | 0.004 | 0.00001 | LTD | 0.086 | 0.240 | LTD | 0.410 | 0.011 | LTD | LTD | LTD | LTD | LTD |
| **Wabana** | | | | | | | | | | | | | | | | | | | | | | | |
| Wabana | Mixed Supplies | Mar 07, 2023 | 0.060 | 1.6 | LTD | LTD | LTD | LTD | LTD | 0.002 | 0.087 | LTD | LTD | 0.012 | 0.075 | LTD | 5.700 | 0.082 | LTD | LTD | LTD | LTD | LTD |
| Wabana | Mixed Supplies | Mar 07, 2023 | 0.077 | 1.6 | LTD | 0.100 | 0.007 | 0.006 | LTD | 0.005 | 0.093 | LTD | LTD | 0.010 | 0.280 | LTD | 5.700 | 0.260 | LTD | LTD | LTD | LTD | LTD |
| Wabana | Mixed Supplies | Mar 07, 2023 | 0.072 | 1.9 | LTD | 0.110 | 0.014 | 0.005 | LTD | 0.005 | 0.094 | LTD | LTD | 0.017 | 0.580 | LTD | 6.200 | 0.260 | LTD | LTD | LTD | LTD | LTD |
| Wabana - PWDU | #3 Yard West Mines Road | Mar 07, 2023 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | 0.003 | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD | LTD |

Water Resources
Management Division

# Tap Water Quality for Public Water Supplies in Newfoundland and Labrador
## Nutrients and Metals

| Serviced Area(s) | Source Name | Sample Date | Ammonia | DOC | Nitrate(ite) | Kjeldahl Nitrogen | Total Phosphorus | Aluminum | Antimony | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Magnesium | Manganese | Mercury | Nickel | Selinium | Uranium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Units | 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 | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| | Guidelines for Canadian Drinking Water Quality | | | | 10 | | | | 0.006 | 0.01 | 2.0 | 0.007 | 0.05 | 1.0 / 2.0 | 0.3 | 0.005 | | 0.02 / 0.12 | 0.001 | | 0.01 | 0.02 | 5.0 |
| | Aesthetic (A) or Contaminant (C) Parameter | | | | C | | | | C | C | C | C | C | A / C | A | C | | A / C | C | | C | C | 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 and Aesthetic Exceedances

**Nitrate(ite)** - The maximum acceptable concentration for nitrate(ite) in drinking water is 10 mg/L expressed as nitrate-nitrogen. Nitrate and nitrite are naturally occurring ions that are widespread in the environment. High levels of this contaminant can cause adverse health effects for some people.

**Antimony** - The interim maximum acceptable concentration (IMAC) for antimony in drinking water is 0.006 mg/L. It is a naturally occurring metal that is introduced into water through the natural weathering of rocks, runoff from soils, effluents from mining and manufacturing operations, industrial and municipal leachate discharges and from household piping and possibly non-leaded solders. High levels of this contaminant can cause adverse health effects for some people.

**Arsenic** - The interim maximum acceptable concentration for arsenic in drinking water is 0.01 mg/L. Arsenic is introduced into water through the dissolution of minerals and ores, from industrial effluents and via atmospheric deposition. High levels of this contaminant can cause adverse health effects for some people.

**Barium** - The maximum acceptable concentration for barium in drinking water is 2.0 mg/L. Barium is not found free in nature but occurs as in a number of compounds. High levels of this contaminant can cause adverse health effects for some people.

**Cadmium** - The maximum acceptable concentration for cadmium in drinking water is 0.007 mg/L. Cadmium that is present as an impurity in galvanized pipes, a constituent of solders used in fitting water heaters or incorporated into stabilizers in black polyethylene pipes may contaminate water supplies during their distribution. High levels of this contaminant can cause adverse health effects for some people.

**Chromium** - The maximum acceptable concentration for chromium in drinking water is 0.05 mg/L. High levels of this contaminant can cause adverse health effects for some people.

**Lead** - The maximum acceptable concentration for lead in drinking water is 0.005 mg/l. Lead is present in tap water as a result of dissolution from natural sources or from the distribution systems and plumbing containing lead in pipes, solder or service connections. High levels of this contaminant can cause adverse health effects for some people.

**Mercury** - The maximum acceptable concentration for mercury in drinking water is 0.001 mg/L. High levels of this contaminant can cause adverse health effects for some people

**Selenium** - The maximum acceptable concentration for selenium in drinking water is 0.01 mg/L. High levels of this contaminant can cause adverse health effects for some people.

**Uranium** - The interim maximum acceptable concentration for uranium in drinking water is 0.02 mg/L. Uranium may enter drinking water from naturally occurring deposits or as a result of human activity, such as mill tailings and phosphate fertilizers. High levels of this contaminant can cause adverse health effects for some people.

**Copper** - The maximum acceptable concentration for copper in drinking water is 2.0 mg/L and the aesthetic objective for copper in drinking water is 1.0 mg/L. Copper is widely distributed in nature and is found frequently in surface water and in some groundwater. Usually, copper in tap water is the result of dissolution of copper piping within the distribution system. The aesthetic objective was set to ensure palatability and to minimize staining of laundry and plumbing fixtures. Copper is an essential element in human metabolism and copper deficiency results in a variety of clinical disorders. At extremely high doses copper intake can result in adverse health effects. High levels of copper in tap water may result in blue-green staining on some fixtures.

**Manganese** - The maximum acceptable concentration for manganese in drinking water is 0.12 mg/L and the aesthetic objective for manganese in drinking water is 0.02 mg/L. Usually, manganese in drinking water is the result of high amounts of manganese in the source water supply's bedrock. Levels above the maximum acceptable concentration can cause adverse health effects for some people. Levels above the aesthetic objective may cause staining of plumbing and laundry and undesirable tastes in beverages.

**Iron** - The aesthetic objective for iron in drinking water is 0.3 mg/L. Usually, iron in tap water is the result of high iron content in the raw water and dissolution of iron piping within the distribution system. Iron is an essential element in nutrition. High levels of iron in tap water can cause staining of laundry and plumbing fixtures, unpleasant taste, colour and promote biological growths in the distribution system.

**Zinc** - The aesthetic objective for zinc in drinking water is 5.0 mg/L. Zinc in water can be naturally occurring or due to zinc in plumbing materials. Zinc is an essential element for human nutrition. Long term ingestion of zinc has not resulted in adverse effects. Water with zinc concentrations higher than the aesthetic objective has an astringent taste and may be opalescent and develop a greasy film on boiling.

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