

Drinking Water Results Interpretation – Weledah Catholic School (25 Mar 2026)

This document is developed to provide interpretation information for the Weledah Catholic School drinking water results.

Types of samples collected:

- **Tier 1 Sample:** Collected after 8 hours of stagnation (overnight).
 - What this shows: These results represent lead that may leach into the water from plumbing when water sits unused overnight.
- **Post Flush Sample:** Collected after flushing the fixture for 5 minutes, without any stagnation.
 - What this shows: These results represent any nearby or fixture-specific lead source that may leach into the water. These samples help identify the location of the issue in the plumbing system.
- **Tier 2 Sample:** Collected after flushing the tap for 5 minutes, followed by 30 minutes of stagnation.
 - What this shows: These results reflect typical water use during the day and represent lead exposure under regular conditions. This may vary in high usage areas.
 - Note: Tier 2.1 and Tier 2.2 samples were two 300 millilitre samples collected back-to-back and analyzed separately to support locating the source of lead. E.g., fixture vs pipes or joints.
 - CPHO consideration focuses on these results to assess human health risk.

Type of fixtures tested:

All drinking water fountains and classroom sinks are tested. A few additional samples were collected for other baseline analysis.

Who analyzed the results:

Water samples were tested by Taiga Environmental Laboratory.

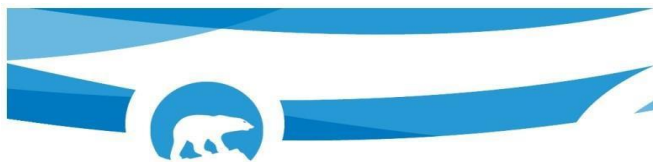
The Office of the Chief Public Health Officer reviewed and interpreted the results for public health significance.

Summary of lead testing results:

- At the Weledeh Catholic School, **10 of the 27 fixtures** tested above Health Canada Guidelines for lead and/or copper.
- **7 of the 27 fixtures** tested above Health Canada's Guidelines for lead.
 - Health Canada's maximum acceptable concentration (MAC) for lead is 5 µg/L. Previously, in 2019, the MAC value was 10 µg/L.
 - The World Health Organization has established a guideline value of 10 micrograms per litre (µg/L) for lead in drinking water.
- **6 of 27 fixtures** tested above Health Canada's Guidelines for copper.
 - Health Canada's maximum acceptable concentration (MAC) is 2000 µg/L.
 - The World Health Organization has established a guideline value of 2000 micrograms per liter.

Detailed results for lead:

Location ID	Description of Location	Tier 1 (µg/L)	Post-Flush	Tier 2.1 (µg/L)	Tier 2.2 (µg/L)	Public Health Order Status
142A	Left Side Drinking Water Fountain Near Gym (when facing the fountains)	10.5	0.9	1.1	1.1	Flushing Required
119	117/120 Mud Room Sink	22.2	0.4	6.1	3.1	Do Not Consume
107A	Classroom 107 – Big Sink	19.3	0.8	7.8	14.1	Do Not Consume
107B	Classroom 107 – Small Sink	57.5	0.8	20.2	3.2	Do Not Consume
149	Medic Sink	14.9	2.8	6.9	1.4	Do Not Consume
209A	Left Side Drinking Water Fountain Near Classroom Room 204 (when facing the fountains)	25.8	2.2	5.9	8.8	Do Not Consume
209B	Right Side Drinking Water Fountain Near Classroom Room 204 (when facing the fountains)	32.0	1.7	7.3	7.2	Do Not Consume



Detailed results for copper:

Location ID	Description of Location	Tier 1 (µg/L)	Post-Flush	Tier 2.1 (µg/L)	Tier 2.2 (µg/L)	Public Health Order Status
142A	Left Side Drinking Water Fountain Near Gym (when facing the fountains)	4210.0	307.0	480.0	560.0	Do Not Consume (due to lead exceedance)
142B	Right Side Drinking Water Fountain Near Gym (when facing the fountains)	4080.0	186.0	663.0	349.0	Flushing Required
100	Drinking Water Fountain Near the Canteen	6880.0	221.0	2090.0	958.0	Do Not Consume
218	Drinking Water Fountain Near Music Room	3520.0	151.0	735.0	382.0	Flushing Required
209A	Left Side Drinking Water Fountain Near Classroom Room 204 (when facing the fountains)	2450.0	148.0	428.0	293.0	Do Not Consume (due to lead exceedance)
209B	Right Side Drinking Water Fountain Near Classroom Room 204 (when facing the fountains)	3810.0	189.0	449.0	460.0	Do Not Consume (due to lead exceedance)

All other drinking water fountains and fixtures showed results well below Canadian guidelines.