

Well Water

Annual Report
2021

Kingfisher Lake Outdoor Education Centre

Drinking Water System Number
260009919



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ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

KINGFISHER OUTDOOR SCHOOL

In care of **C.D. Howe School, 30 Wishart Cres.**
THUNDER BAY, ONT. P7A 6G3

Drinking-water System Number: **260009919**

The Period being reported: **January 1 2021 TO December 31, 2021**
Waterworks Type (O. Reg. 170/03): **SMALL NON-MUNICIPAL NON-RESIDENTIAL DESIGNATED FACILILTY**
Population Served: **VARIES**

Maximum flow rate Capacity: **0.42 Litres per second**
Is this drinking-water system seasonally operated? **NO**
Area serviced by the Drinking-water system: **OUTDOOR SCHOOL**

The following questions about designated and public facilities are for Small municipal non residential systems only

Number of designated facilities served by the drinking-water system: **ONE**
Name of each designated facility: **KINGFISHER OUTDOOR SCHOOL**
Address of each designated facility - In care of **C.D. Howe School, 30 Wishart Cres.**
THUNDER BAY, ONT. P7A 6G3

Interested Authority for each designated facility served: **MINISRTY OF EDUCATION**

1. DESCRIPTION OF THE SYSTEM:

Source(s) of raw water:

- ✓ **Groundwater**
 - Surface
 - Ground water under direct influence of surface water

If the source is groundwater or GUDI:

Groundwater: **Yes**

GUDI: **NO**

Number of wells: **ONE**

Sample location names:

Raw: **WELL OUTLET - PUMP ROOM**

Treated Water Distribution Point: **KITCHEN**

List of chemicals used: **CHLORINE**

Does the Drinking-water system have disinfection: **YES**

Disinfection methods: (Check the boxes that apply)

- Chlorination**
- Chloramination
- Chlorine Dioxide
- Ozonation
- UltraViolet
- Others – Specify

Treatment type: (Check the boxes that apply)

- Coagulation
- Flocculation
- Sedimentation
- Filtration
- Filter Medium
- Membrane Filtration
- Membrane Filtration Type
- Alkalinity Adjustment
- pH Adjustment
- Clarifier- Sludge Blanket
- Clarifier – Upflow
- Dissolved Air Flotation
- Fluoridation
- Iron Sequestering
- Softening
- Stripping
- Taste and Odour Control**
- Zebra Mussel Control

2. Adverse Results

Total number of adverse results during this reporting period for microbiological, chemical, chlorine residual, malfunction of other disinfection equipment, turbidity: For each incident of adverse result please list the following:

No adverse conditions for this reporting period.

3. Summary of results

Microbiological parameters:

LOCATION	Number taken	Range of E. coli or Fecal results (Min-Max)	Range of Total coli form results (Min-Max)	Range of Background or HPC results (Min – Max)
Raw	11	0	0	ABSENT
Distribution	11	ABSENT	ABSENT	0 TO 18

*Facility closed due to COVID 19 2020 reducing sampling numbers

4. Chemical testing done under Schedule 13 or 14 or 15 during the period covered by the report.

a) INORGANIC PARAMETERS (including lead and nitrate and nitrite)

Parameter	Sampling Date	Result Value
Nitrate and Nitrite as N	June	0.111
Nitrate-N		0.111
Nitrite-N		<0.010
Nitrate and Nitrite as N	September	0.065
Nitrate-N		0.065
Nitrite-N		<0.010
Nitrate and Nitrite as N	December	0.048
Nitrate-N		0.048
Nitrite-N		<0.010
Nitrate and Nitrite as N	March	
Nitrate-N		
Nitrite-N		
lead (Pb)		
1F standing	June 2021	4.5
1F flushed		21.2
1F standing – resample after fixture replacement		<1.0
1F flushed – resample after fixture replacement		<1.0

5 Year sampling results were completed in 2020.

Next 60 month tests are due in 2025.

5. Major Expenses incurred during the period covered by the report

To install required equipment: N/A

To repair equipment: N/A

To replace equipment: **\$12,000**

6. Providing information relating to compliance with the regulation:

A copy of the annual report given to each designated facility served by the drinking-water system; **Yes**

A copy of the annual report given to each Interested Authority of each designated facility served by the drinking-water system
Yes, to the Ministry of Education

A copy of the annual report will be provided to every person who requests a copy
Yes, by contacting the Kingfisher office or the Board's web site

Means that were used to share the information in this annual report:

Web Site: www.lakeheadschoools.ca

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