

Well Water

Annual Report
202,

Whitefish Valley

Highway 595
Kakabeka Falls ON POT 1W0

Drinking Water System Number
260009971



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ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

WHITEFISH VALLEY PUBLIC SCHOOL
Highway 595, KAKABEKA FALLS, ONT. P0T 1W0

Drinking-water System Number: **2600009971**

The Period being reported: **January 1 2023 TO December 31 2023**

Waterworks Type (O. Reg. 170/03): **SMALL NON-MUNICIPAL NON-RESIDENTIAL DESIGNATED FACILILTY**

Population Served: **188**

Maximum flow rate Capacity: **2.08 Litres per second**

Is this drinking-water system seasonally operated? **NO**

Area serviced by the Drinking-water system: **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: **WHITEFISH VALLEY PUBLIC SCHOOL**

Address of each designated facility **Highway 595, KAKABEKA FALLS, ONT. P0T 1W0**

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

Number of Public facilities served by the drinking-water system: **ONE**

Name and address of each public facility served by the drinking-water system:

Gillies Township Office

Highway 595, Kakabeka Falls, ON P0T 1W0

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: **NO**

GUDI: **YES**

Number of wells: **ONE**

2. Sample location names:

Raw: **WELL OUTLET**

Treated Water: **Pump Room**

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 1-micron absolute filter**
- Filter Medium Macrolite Granular**
- 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

3. 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.

4. Summary of results

Regulation 170 lab analysis results are summarized in appendix A.

Regulation 243 lab analysis results are summarized in appendix B.

5 year inorganic sampling was completed in 2020. Next 60 month tests are due in 2025.

6. For a parameter not required during this reporting period, please report the most recent results for that parameter:

Parameter Name: **Sodium**

Total number of samples: **one**

Number of samples for each sample type-Raw/Treated/Distribution:

Raw samples: 1

Result Value: 64.8 mg/L. Ontario Standard is 20 mg/L.

Drinking water advisory issued by Thunder Bay District Health Unit.

Describe corrective action for each adverse issue: Notified Thunder Bay District Health Unit June 2006/February 2010/June 2015. An alternative drinking water is available for people with health risks. Information has been posted at the school and sent home to parents.

7. Major expenses incurred during the period covered by the report:

To install required equipment: **N/A**

To repair equipment: **N/A**

To replace equipment: **N/A**

8. 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, the Ministry of Education

A copy of the annual report will be provided to every person who requests a copy;

Yes by contacting the school office or the Board's web site

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

Web – www.lakeheadschoools.ca

Date of the report: June 14, 2024

Name of the Author: Kyle Ulvang

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Description	Sample Tags	Sample Name	Sampling Date	Anions and Nutrients		Microbiological Tests				Physical Tests		Total Metals Lead, total µg/L
				Nitrate (as N) mg/L	Nitrite (as N) mg/L	Coliforms, Escherichia coli [E. coli] MPN/100mL	Coliforms, Escherichia coli [E. coli] P/A/100mL	Coliforms, total MPN/100mL	Coliforms, total P/A/100mL	Heterotrophic plate count [HPC] CFU/ml	Turbidity NTU	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	04-01-2023			<1		2		Not Detected	1	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	04-01-2023			<1		2		Not Detected	1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	18-01-2023			<1		1		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	18-01-2023			<1		1		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	01-03-2023			<1		<1		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	01-03-2023			<1		<1		Not Detected	<1	
Treated	Whitefish Valley PS Reg 170	Treated: After Contact Whitefish Valley	24-03-2023	1.44	<0.020			1		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	24-03-2023			<1		1		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	24-03-2023			<1		1		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	19-04-2023			<1		5		Not Detected	2	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	19-04-2023			<1		5		Not Detected	2	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	03-05-2023			<1		1		Not Detected	5	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	03-05-2023			<1		1		Not Detected	5	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	17-05-2023			<1		3		Not Detected	18	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	17-05-2023			<1		3		Not Detected	18	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	31-05-2023			<1		5		Not Detected	22	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	31-05-2023			<1		5		Not Detected	22	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	14-06-2023			<1		1		Not Detected	15	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	14-06-2023			<1		1		Not Detected	15	
Treated	Whitefish Valley PS Reg 170	Treated: After Contact Whitefish Valley	14-06-2023	1.72	<0.050			1		Not Detected	15	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	29-08-2023			<1		2		Not Detected	7	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	29-08-2023			<1		2		Not Detected	7	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	30-08-2023			<1		1		Not Detected	18	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	30-08-2023			<1		<1		Not Detected	44	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	13-09-2023			<1		<1		Not Detected	44	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	13-09-2023			<1		1		Not Detected	31	
Treated	Whitefish Valley PS Reg 170	Treated: After Contact Whitefish Valley	13-09-2023	1.11	<0.020			1		Not Detected	31	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	27-09-2023			<1		1		Not Detected	1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	27-09-2023			<1		1		Not Detected	31	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	11-10-2023			<1		<1		Not Detected	7	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	11-10-2023			<1		<1		Not Detected	7	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	25-10-2023			<1		23		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	25-10-2023			<1		23		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	08-11-2023			<1		17		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution Whitefish Valley	08-11-2023			<1		17		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	06-12-2023			<1		NR		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	06-12-2023			<1		NR		Not Detected	<1	
Raw	Whitefish Valley PS Reg 170	Raw Whitefish Valley	20-12-2023			<1		1		Not Detected	<1	
Distribution	Whitefish Valley PS Reg 170	Distribution: Whitefish Valley 103	20-12-2023			<1		1		Not Detected	<1	
Treated	Whitefish Valley PS Reg 170	Treated: After Contact Whitefish Valley	20-12-2023	1.57	<0.010			1		Not Detected	<1	

