

# Well Water

Annual Report  
2025

## Whitefish Valley

Highway 595  
Kakabeka Falls ON POT TWO

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 2025 TO December 31 2025**

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:

Incident date: May 14, 2025

Adverse Condition: Sodium Exceedance

Corrective action: Signage posted and baottle water available any sodium restricted individuals

Corrective action date: May 14, 2025

**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 sampling lab analysis results are summarized in appendix B. 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](http://www.lakeheadschoools.ca)**

Date of the report: March 25, 2026

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			TY2500220-001 (1)
<b>Sample</b>			
Matrix			Water/Drinking Water - Regulated
Sample Tags			Whitefish Valley PS Reg 170
Sample Name			Raw Whitefish Valley
Total Samples			12 Raw/24 Distrubution
<b>Batch</b>			
Site			260009971
Evaluation			Within Limit
	<b>Min. LOR</b>	<b>CAS Number</b>	
<b>Microbiological Tests</b>			
Coliforms, Escherichia coli [E. coli] MPN/100mL	1		<1
Coliforms, Escherichia coli [E. coli] P/A/100mL			Not Detected
Coliforms, total MPN/100mL	1		<1 - 18
Coliforms, total P/A/100mL			Not Detected
Heterotrophic plate count [HPC] CFU/mL	1		<1

			TY2502151-003 (1)	TY2504491-001 (1)	TY2510909-003 (1)	TY2514273-003 (1)
<b>Sample</b>						
Received Date			05-03-2025	07-05-2025	24-09-2025	03-12-2025
Evaluation			Within Limit	Within Limit	Within Limit	Within Limit
Matrix			Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated
Sample Description			Treated	Treated	Treated	Treated
Sample Tags			Whitefish Valley PS Reg 170	Whitefish Valley PS Reg 170	Whitefish Valley PS Reg 170	Whitefish Valley PS Reg 170
Sample Name			Treated: After Contact Whitefish Valley	Treated: After Contact Whitefish Valley	Treated: After Contact Whitefish Valley	Treated: After Contact Whitefish Valley
Sampling Date			05-03-2025	07-05-2025	24-09-2025	03-12-2025
ALS ID			TY2502151-003	TY2504491-001	TY2510909-003	TY2514273-003
<b>Batch</b>						
Received Date			05-03-2025	07-05-2025	24-09-2025	03-12-2025
Site			260009971	260009971	260009971	260009971
Evaluation			Within Limit	Exceeds Limit	Exceeds Limit	Exceeds Limit
Job #			260009971	260009971	260009971	260009971
	<b>Min. LOR</b>	<b>CAS Number</b>				
<b>Anions and Nutrients</b>						
Nitrate (as N) mg/L	0.020	14797-55-8	0.128	1.07	1.06	1.53
Nitrite (as N) mg/L	0.010	14797-65-0	<0.010	<0.020	<0.100	<0.010

	TY2505150-001 (1)	TY2505150-002 (1)	TY2505150-003 (1)	TY2505150-004 (1)	TY2505150-005 (1)	TY2505150-006 (1)
<b>Sample</b>						
Received Date	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025
Evaluation	Within Limit	Within Limit	Within Limit	Within Limit	Within Limit	Within Limit
Matrix	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated	Water/Drinking Water - Regulated
Sample Description	Plumbing Standing	Plumbing Flushed	Plumbing Standing	Plumbing Flushed	Plumbing Standing	Plumbing Flushed
Sample Tags	Whitiefish Valley PS Reg 243 Leads	Whitiefish Valley PS Reg 243 Leads	Whitiefish Valley PS Reg 243 Leads	Whitiefish Valley PS Reg 243 Leads	Whitiefish Valley PS Reg 243 Leads	Whitiefish Valley PS Reg 243 Leads
Sample Name	WF-10A Kitchen Sink Standing	WF-10B Kitchen Sink 5min Flushed	WF-1A Standing	WF-1B Flushed	WF-2A Fountain Standing	WF-2B Fountain 5min Flushed
Sampling Date	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025
ALS ID	TY2505150-001	TY2505150-002	TY2505150-003	TY2505150-004	TY2505150-005	TY2505150-006
<b>Batch</b>						
Received Date	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025	21-05-2025
Site	500022062	500022062	500022062	500022062	500022062	500022062
Evaluation	Within Limit	Within Limit	Within Limit	Within Limit	Within Limit	Within Limit
Job #	500022062	500022062	500022062	500022062	500022062	500022062
	<b>Min. LOR</b>					
<b>Total Metals</b>						
Lead, total µg/L	1.0	1.2	1.1	3.7	2.3	1.5
						<1.0

				TY2504490-001 (1)	TY2504491-001 (1)
<b>Sample</b>					
Received Date				07-05-2025	07-05-2025
Evaluation				Within Limit	Exceeds Limit
Matrix				Water/Drinking Water - Regulated	Water/Drinking Water - Regulated
Sample Description				Treated	Treated
Sample Tags				Whitefish Valley PS Reg 170	Whitefish Valley PS Reg 170
Sample Name				Treated: After Contact Whitefish Valley	Treated: After Contact Whitefish Valley
Sampling Date				07-05-2025	07-05-2025
ALS ID				TY2504490-001	TY2504491-001
<b>Batch</b>					
Received Date				07-05-2025	07-05-2025
Site				260009971	260009971
Evaluation				Within Limit	Exceeds Limit
Job #				260009971	260009971
	Min. LOR	CAS Number			
<b>Chlorinated Phenolics</b>					
Dichlorophenol, 2,4- µg/L	0.20	120-83-2		<0.20	
Pentachlorophenol [PCP] µg/L	0.50	87-86-5		<0.50	
Tetrachlorophenol, 2,3,4,6- µg/L	0.50	58-90-2		<0.50	
Trichlorophenol, 2,4,6- µg/L	0.20	88-06-2		<0.20	
<b>Herbicides</b>					
Acetic acid, 2-methyl-4-chlorophenoxy- [MCPA] mg/L	0.000050	94-74-6		<0.000050	
Alachlor µg/L	0.050	15972-60-8		<0.050	
Atrazine + N-dealkylated metabolites µg/L	0.14			<0.14	
Atrazine µg/L	0.100	1912-24-9		<0.100	
Atrazine-desethyl µg/L	0.100	6190-65-4		<0.100	
Bromoxynil µg/L	0.050	1689-84-5		<0.050	
Dicamba µg/L	0.10	1918-00-9		<0.10	
Dichlorophenoxyacetic acid, 2,4- [2,4-D] µg/L	0.050	94-75-7		<0.050	
Diclofop-methyl µg/L	0.10	51338-27-3		<0.10	
Diquat (ion) µg/L	1.0	2764-72-9		<1.0	
Diuron µg/L	0.050	330-54-1		<0.050	
Glyphosate µg/L	1.0	1071-83-6		<1.0	
Metolachlor µg/L	0.025	51218-45-2		<0.025	
Metribuzin µg/L	0.10	21087-64-9		<0.10	
Paraquat (as dichloride) µg/L	1.0	1910-42-5		<1.0	
Picloram µg/L	0.10	1918-02-1		<0.10	
Prometryn µg/L	0.025	7287-19-6		<0.025	
Simazine µg/L	0.10	122-34-9		<0.10	
Triallate µg/L	0.10	2303-17-5		<0.10	
Trifluralin µg/L	0.10	1582-09-8		<0.10	
<b>Herbicides Surrogates</b>					
Dichlorophenylacetic acid, 2,4- µg/L	1.0	19719-28-9		8.2	
<b>Insecticides</b>					
Azinphos-methyl µg/L	0.10	86-50-0		<0.10	
Carbaryl µg/L	0.050	63-25-2		<0.050	
Carbofuran µg/L	0.025	1563-66-2		<0.025	
Chlorpyrifos µg/L	0.10	2921-88-2		<0.10	
Diazinon µg/L	0.025	333-41-5		<0.025	
Dimethoate µg/L	0.050	60-51-5		<0.050	
Malathion µg/L	0.025	121-75-5		<0.025	
Phorate µg/L	0.25	298-02-2		<0.25	
Terbufos µg/L	0.50	13071-79-9		<0.50	
<b>Phenolics Surrogates</b>					
Tribromophenol, 2,4,6- µg/L	0.50	118-79-6		66.9	
<b>Polychlorinated Biphenyls</b>					
Aroclor 1254 µg/L	0.020	11097-69-1		<0.020	
Aroclor 1260 µg/L	0.020	11096-82-5		<0.020	
polychlorinated biphenyls [PCBs], 1254+1260 µg/L	0.03	n/a		<0.030	
<b>Polychlorinated Biphenyls Surrogates</b>					
Decachlorobiphenyl µg/L	0.1	2051-24-3		0.2	
Tetrachloro-m-xylene µg/L	0.1	877-09-8		0.2	
<b>Polycyclic Aromatic Hydrocarbons</b>					
Benzo(a)pyrene µg/L	0.0050	50-32-8		<0.0050	
<b>Polycyclic Aromatic Hydrocarbons Surrogates</b>					
Chrysene-d12 µg/L	0.1	1719-03-5		0.9	
Naphthalene-d8 µg/L	0.1	1146-65-2		1.2	
Phenanthrene-d10 µg/L	0.1	1517-22-2		0.9	
<b>Semi-Volatile Organics Surrogates</b>					
Fluorobiphenyl, 2- µg/L	1.0	321-60-8		80.2	
Nitrobenzene-d5 µg/L	1.0	4165-60-0		74.6	

Terphenyl-d14, p- µg/L	1.0	1718-51-0	112	
<b>Total Metals</b>				
Antimony, total µg/L	0.60	7440-36-0		<0.60
Arsenic, total µg/L	1.0	7440-38-2		<1.0
Barium, total µg/L	10	7440-39-3		101
Boron, total µg/L	50	7440-42-8		<50
Cadmium, total µg/L	0.10	7440-43-9		<0.10
Chromium, total µg/L	1.0	7440-47-3		<1.0
Mercury, total µg/L	0.100	7439-97-6		<0.100
Selenium, total µg/L	1.0	7782-49-2		<1.0
Sodium, total mg/L	0.50	7440-23-5		59.0
Uranium, total µg/L	2.0	7440-61-1		<2.0
<b>Volatile Organic Compounds</b>				
Benzene µg/L	0.50	71-43-2	<0.50	
Carbon tetrachloride µg/L	0.20	56-23-5	<0.20	
Chlorobenzene µg/L	0.50	108-90-7	<0.50	
Dichlorobenzene, 1,2- µg/L	0.50	95-50-1	<0.50	
Dichlorobenzene, 1,4- µg/L	0.50	106-46-7	<0.50	
Dichloroethane, 1,2- µg/L	0.50	107-06-2	<0.50	
Dichloroethylene, 1,1- µg/L	0.50	75-35-4	<0.50	
Dichloromethane µg/L	1.0	75-09-2	<1.0	
Tetrachloroethylene µg/L	0.50	127-18-4	<0.50	
Trichloroethylene µg/L	0.50	79-01-6	<0.50	
Vinyl chloride µg/L	0.20	75-01-4	<0.20	
<b>Volatile Organic Compounds Surrogates</b>				
Bromofluorobenzene, 4- µg/L	1.0	460-00-4	9.0	
Difluorobenzene, 1,4- µg/L	1.0	540-36-3	9.7	