

Well Water

Annual Report
2022

Valley Central

563 Candy Mountain Drive
Slate River ON P7J 0A8

Drinking Water System Number
260009945



Lakehead
Public
Schools

Committed to the success of every student
www.lakeheadschoools.ca



Integrity Acceptance Empathy Respect Responsibility

You belong here

ANNUAL WELL WATER REPORT

LAKEHEAD DISTRICT SCHOOL BOARD

VALLEY CENTRAL PUBLIC SCHOOL

563 Candy Mountain Road

Slate River ON, P7J 0B8

Drinking-water System Number: **260009945**

The Period being reported: **January 1 2022 TO December 31, 2022**

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

Population Served: **247**

Maximum flow rate Capacity: **2.00 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: **VALLEY CENTRAL PUBLIC SCHOOL**

Address of each designated facility **563 Candy Mountain Rd.**

Slate River ON, P7J 0B8

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

Number of Public facilities served by the drinking-water system: **N/A**

Name of each public facility served by the drinking-water system: **N/A**

1. DESCRIPTION OF THE SYSTEM:

Source(s) of raw water:

☒ **Trucked city water**

☐ Groundwater

☐ Surface

☐ Ground water under direct influence of surface water

If the source is groundwater or GUDI:

Groundwater: **NO**

GUDI: **NO**

Number of wells: **Zero**

Sample location names:

Raw: **RESIVOIR 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)

- ☐ Chloramination
- ☐ Chlorination
- ☐ 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**

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.

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

5.1 Parameter Name: **Fluoride**

New water system commissioned Sept 2015 uses trucked city water and has eliminated this parameter.

5.2 Parameter Name: **Sodium**

New water system commissioned Sept 2015 uses trucked city water and has eliminated this parameter.

6. **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**

7. **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: August 2, 2023

Name of the Author: Kyle Ulvang

Address of the author: 2135 SILLS ST. THUNDER BAY, ONT.

Telephone number of the author: 625-5177

Email address of the author: Kyle_Ulvang@lakeheadschoools.ca

Sample Tags	Name	Sampling Date	ALS ID	Test	Unit	Result
Valley Central PS Cistern Reg 170	Water Room Tap	21-09-2022 06:30	TY2201916-001	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	21-09-2022 06:30	TY2201916-001	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	21-09-2022 06:30	TY2201916-001	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Daycare Kitchen	21-09-2022 06:40	TY2201916-002	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	21-09-2022 06:40	TY2201916-002	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	21-09-2022 06:40	TY2201916-002	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	21-09-2022 06:50	TY2201916-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	21-09-2022 06:50	TY2201916-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	21-09-2022 06:50	TY2201916-003	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Nitarte Sample	21-09-2022 06:30	TY2201916-004	Nitrate (as N)	mg/L	0.297
Valley Central PS Cistern Reg 170	Nitarte Sample	21-09-2022 06:30	TY2201916-004	Nitrite (as N)	mg/L	0.010
Valley Central PS Cistern Reg 170	Water Room Tap	05-10-2022 06:15	TY2202506-001	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	05-10-2022 06:15	TY2202506-001	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	05-10-2022 06:15	TY2202506-001	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Daycare Kitchen	05-10-2022 06:00	TY2202506-002	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	05-10-2022 06:00	TY2202506-002	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	05-10-2022 06:00	TY2202506-002	Heterotrophic plate count [HPC]	CFU/mL	145
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	05-10-2022 06:10	TY2202506-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	05-10-2022 06:10	TY2202506-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	05-10-2022 06:10	TY2202506-003	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Water Room Tap	18-10-2022 06:45	TY2203106-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	18-10-2022 06:45	TY2203106-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	18-10-2022 06:45	TY2203106-003	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Daycare Kitchen	18-10-2022 06:30	TY2203106-004	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	18-10-2022 06:30	TY2203106-004	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	18-10-2022 06:30	TY2203106-004	Heterotrophic plate count [HPC]	CFU/mL	19
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	18-10-2022 06:40	TY2203106-005	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	18-10-2022 06:40	TY2203106-005	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	18-10-2022 06:40	TY2203106-005	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Water Room Tap	09-11-2022 06:45	TY2203902-001	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	09-11-2022 06:45	TY2203902-001	Coliforms, total	P/A/100mL	Detected
Valley Central PS Cistern Reg 170	Water Room Tap	09-11-2022 06:45	TY2203902-001	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Daycare Kitchen	09-11-2022 06:30	TY2203902-002	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	09-11-2022 06:30	TY2203902-002	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	09-11-2022 06:30	TY2203902-002	Heterotrophic plate count [HPC]	CFU/mL	77
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	09-11-2022 06:40	TY2203902-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	09-11-2022 06:40	TY2203902-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Hanicap Washroom	09-11-2022 06:40	TY2203902-003	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Treated Water	09-11-2022 12:00	TY2203902-004	Nitrate (as N)	mg/L	0.497
Valley Central PS Cistern Reg 170	Treated Water	09-11-2022 12:00	TY2203902-004	Nitrite (as N)	mg/L	<0.010

Valley Central PS Cistern Reg 170	Water Room Tap	14-11-2022 07:00	TY2204015-001	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	14-11-2022 07:00	TY2204015-001	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	14-11-2022 07:00	TY2204015-001	Heterotrophic plate count [HPC]	CFU/mL	84
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-11-2022 07:15	TY2204015-002	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-11-2022 07:15	TY2204015-002	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-11-2022 07:15	TY2204015-002	Heterotrophic plate count [HPC]	CFU/mL	21
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-11-2022 07:10	TY2204015-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-11-2022 07:10	TY2204015-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-11-2022 07:10	TY2204015-003	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Water Room Tap	14-12-2022 06:20	TY2204975-001	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	14-12-2022 06:20	TY2204975-001	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Water Room Tap	14-12-2022 06:20	TY2204975-001	Heterotrophic plate count [HPC]	CFU/mL	>300
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-12-2022 06:00	TY2204975-002	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-12-2022 06:00	TY2204975-002	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Daycare Kitchen	14-12-2022 06:00	TY2204975-002	Heterotrophic plate count [HPC]	CFU/mL	7
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-12-2022 06:15	TY2204975-003	Coliforms, Escherichia coli [E. coli]	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-12-2022 06:15	TY2204975-003	Coliforms, total	P/A/100mL	Not Detected
Valley Central PS Cistern Reg 170	Girls Handicap Washroom	14-12-2022 06:15	TY2204975-003	Heterotrophic plate count [HPC]	CFU/mL	>300

Sample Tags	Name	Sampling Date	ALS ID	Test	Unit	Result
Valley Central PS Reg 243 Leads	~P1 VC-1A STANDING	18-05-2022 06:30	L2707795-1	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P2 VC-1B FLUSHED	18-05-2022 07:05	L2707795-2	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P1 VC-2A STANDING	18-05-2022 06:30	L2707795-3	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P2 VC-2B FLUSHED	18-05-2022 07:05	L2707795-4	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P1 VC-3A STANDING	18-05-2022 06:30	L2707795-5	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P2 VC-3B FLUSHED	18-05-2022 07:05	L2707795-6	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P1 DC-1A	22-05-2022 06:45	L2708534-1	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P2 DC-1B	22-05-2022 07:20	L2708534-2	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P1 DC-2A	22-05-2022 06:45	L2708534-3	lead	ug/L	<1.0
Valley Central PS Reg 243 Leads	~P2 DC-2B	22-05-2022 07:20	L2708534-4	lead	ug/L	<1.0