

Well Water

Annual Report
2022

Valley Central

563 Candy Mountain Drive
Slate River ON P7J 0A8

Drinking Water System Number
260009945



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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 FACILILTY**

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: **MINISRTY 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