

# *Gore Bay Water Treatment*

Large Municipal Residential Drinking Water System

*January 1, 2025 – December 31, 2025*

*O.Reg 170/03 Schedule 22 Summary Report  
O.Reg 170/03 Section 11 Annual Report  
&  
O.Reg 387/04 Annual Record of Water Taking*

Prepared by the Ontario Clean Water Agency  
For The Corporation of the Town of Gore Bay



*Drinking-Water System Number:* 210002208  
*Drinking-Water System Name:* GORE BAY DRINKING WATER SYSTEM  
*Drinking-Water System Owner:* The Corporation of the Town of Gore Bay  
*Drinking-Water System Category:* Large Municipal Residential

## **SECTION 1: INTRODUCTION**

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act. The reports are prepared by the Ontario Clean Water Agency. Acronyms and definitions can be found at the end of the report. A copy of the Summary Report must be provided to the members of the municipal council by March 31, 2026.

## **SECTION 2: REQUIREMENTS OF THE REPORTS**

### **Schedule 22 Report**

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system **failed to meet** at any time during the period covered by the report. The report must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

### **Section 11 Report**

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry
- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water licence or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared by February 28<sup>th</sup> of the year following the year to which the report pertains to.

### **Regulation 387 Report**

On or before March 31<sup>st</sup> in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A](#).



## SECTION 3: SCHEDULE 22 REPORT

### Flows - Treated

In accordance with the Municipal Drinking Water License (MDWL), the Gore Bay WTP shall not be operated to exceed a maximum flow of 1250 m<sup>3</sup>/d to the distribution system.

The highest treated water daily maximum flow was 1,007.30 m<sup>3</sup> in January and represents 81% of capacity. In 2025 the total volume of water sent to the distribution system was 201,294.60 m<sup>3</sup>.

The quantity of treated water supplied during the reporting period **did not** exceed the rated maximum capacity.

<i>TREATED WATER FLOW DATA</i>					
Month	Total Monthly Flow (m <sup>3</sup> )	Average Flow (m <sup>3</sup> /d)	Maximum Flow (m <sup>3</sup> /d)	Maximum Flow Rate (L/s)	Limit
					Rated Capacity m <sup>3</sup> /d
January	16,163.10	521.39	1,007.30	30.05	1,250
February	21,622.40	772.23	865.30	26.21	1,250
March	20,700.70	667.76	855.40	31.92	1,250
April	13,819.10	460.64	642.60	50.00	1,250
May	16,168.30	521.56	605.90	25.93	1,250
June	17,546.40	584.88	732.70	50.00	1,250
July	18,556.40	598.59	710.60	26.19	1,250
August	18,537.10	597.97	722.70	50.00	1,250
September	15,752.20	525.07	581.00	40.44	1,250
October	14,548.70	469.31	499.70	24.53	1,250
November	14,015.50	467.18	491.50	14.04	1,250
December	13,864.70	447.25	499.00	20.33	1,250
<b>Total</b>	201,294.60				
<b>Average</b>		552.82			
<b>Maximum</b>			1,007.30	50.00	1,250

### Flows – Raw

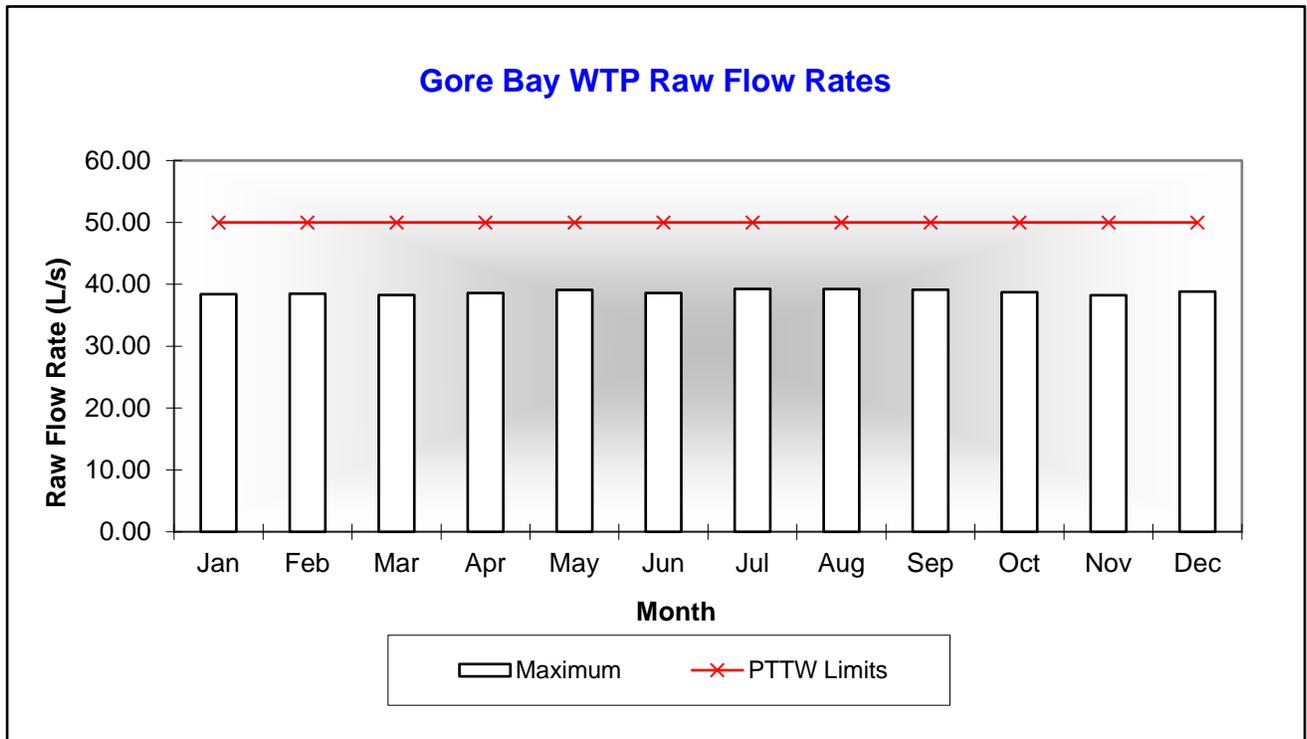
Daily raw maximum instantaneous flow is stated in the PTTW at a maximum rate of flow of 50 L/s and a maximum daily volume of 1252.8 m<sup>3</sup>/d.

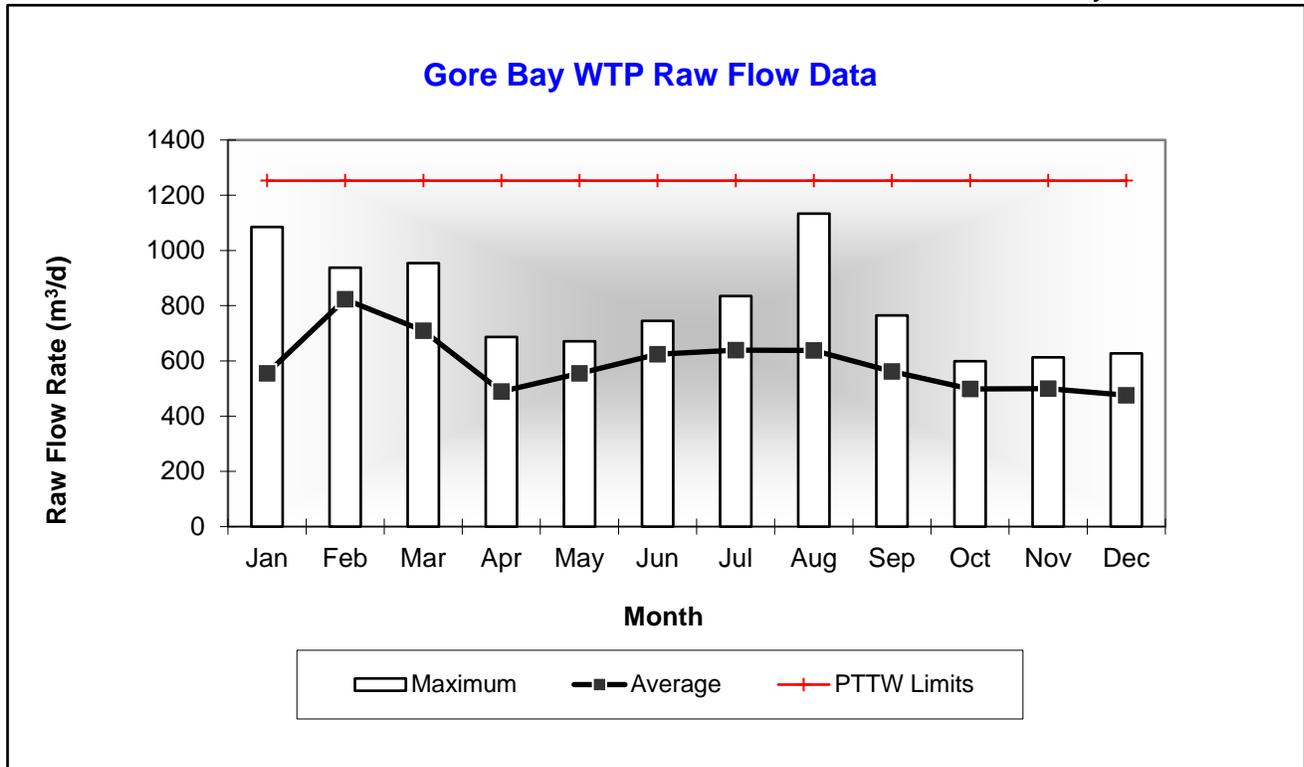
The average monthly raw water flow for this reporting period was 589.20 m<sup>3</sup>/d. The maximum daily flow was 1,133.40 m<sup>3</sup>/d representing 90% of water taking limits. In 2025, the total volume of water taken from the environment was 214,538.40 m<sup>3</sup>.

The quantity of raw water taken **did not** exceed the limits stipulated within the PTTW.



<b>RAW WATER FLOW DATA - TOTAL ALL SOURCES</b>						
<b>Month</b>	<b>Total Monthly Flow (m<sup>3</sup>)</b>	<b>Average Flow (m<sup>3</sup>/d)</b>	<b>Maximum Flow (m<sup>3</sup>/d)</b>	<b>Maximum Flow Rate (L/s)</b>	<b>Limits</b>	
					<b>L/s (PTTW)</b>	<b>m<sup>3</sup>/d (PTTW)</b>
January	17,206.30	555.04	1,085.10	38.40	50	1252.8
February	23,045.60	823.06	937.80	38.48	50	1252.8
March	22,005.60	709.86	954.20	38.26	50	1252.8
April	14,695.70	489.86	686.70	38.59	50	1252.8
May	17,219.70	555.47	671.10	39.09	50	1252.8
June	18,721.80	624.06	745.00	38.59	50	1252.8
July	19,804.30	638.85	834.90	39.25	50	1252.8
August	19,784.90	638.22	1,133.40	39.23	50	1252.8
September	16,846.10	561.54	764.80	39.12	50	1252.8
October	15,466.40	498.92	599.00	38.72	50	1252.8
November	14,993.20	499.77	613.00	38.23	50	1252.8
December	14,748.80	475.77	627.30	38.82	50	1252.8
<b>Total</b>	214,538.40					
<b>Average</b>		589.20				
<b>Maximum</b>			1,133.40	39.25	50	1252.8





### Annual Raw Water Review

Raw Water Taking	Total Taking (m³/d)	Average Day (m³/d)	Max Day (m³/d)	Max Day % of PTTW allowable 1,252.8 (m³/d)
2025	214,538.70	589.20	1,133.40	90%
2024	184,807	504.25	917.60	73%
2023	308,086.2	844.07	1,442.3	115%
2022	233,467.9	639.64	1,004.9	80%
2021	201,433.7	551.87	1,099.5	88%
2020	197,196	538.79	1,086.6	87%

### System Failures and Corrective Actions

The latest inspection of the drinking water facility took place on [June 12, 2025](#). The facility scored [0/517](#) providing a rating of [100%](#).

The following non-compliance also occurred during the reporting period:

1. The monthly filter efficiency review for the Gore Bay WTP for January 2025 was completed after the required 72-hour window. The review was conducted on Wednesday, February 5th, and all filters passed. The delay occurred because the OIT believed that completing filter efficiency checks as part of the 72-hour operational review met the requirement for the monthly filter efficiency review. This expectation has since been clarified with all staff within the cluster.
2. On Monday, June 30, 2025, a 72-hour data review for the Gore Bay WTP was completed 2 hours and 16 minutes past the regulatory timeframe. The review was finished at 11:53 a.m., while the previous review had been completed on Friday, June 27th at 9:37 a.m. The delay occurred because the regular Operator



was on vacation, and the earlier-than-usual completion time of the Friday review made it challenging for coverage staff to complete the subsequent review within the required window.

3. During the week of August 11–15, 2025, the OIT attended the Gore Bay WTP daily and continuously monitored plant performance; however, the 72-hour data review scheduled for Wednesday, August 13th was not logged. A data review had been completed and logged on Monday, August 11th at 7:39 a.m., and the next review was completed and logged on Friday, August 15th at 7:28 a.m., resulting in a total interval of 95 hours and 11 minutes between recorded reviews.

The OIT reported that there were no issues or abnormal data during this period, and all chlorine, pressure, and turbidity readings remained within acceptable ranges. To prevent future occurrences, reminders have been set on the OIT's phone for Mondays, Wednesdays, and Fridays to ensure 72-hour reviews are completed and logged on time.

The following distribution repairs were completed during the reporting period:

1. On January 23, 2025, the OIT notified staff of a watermain break that had just been identified and advised that repairs were planned for the following day. On January 24, 2025, the break was classified as a Category 2 event with no evidence of contamination. The Health Unit was contacted and informed of the repair plan, and they requested two post-repair bacteriological samples. The Town issued voluntary Boil Water Advisory (BWA) as a precaution.

Repairs were completed as planned, and the required post-repair bacteriological samples were collected. Both samples were non-detect for E. coli and total coliform on January 26, 2025. The Town Manager was notified, and the voluntary BWA was lifted.

2. On March 18, 2025, staff responded to a Category 2 watermain break. There was no indication of contamination, and the Town issued a voluntary Boil Water Advisory (VBWA) from March 18 to March 21, 2025. The Health Unit was notified of the planned repair and approved the VBWA. The Health Unit also requested one post-repair bacteriological sample.

The required sample was collected following completion of the repair and was reported as non-detect for E. coli and total coliforms on March 25, 2025. The Town was informed of the results.

3. On June 5, 2025, contractors working for the Town struck a 4-inch watermain on Dock Strain Drive. Town staff responded immediately and isolated the break by closing valves on Park Street and Dock Strain Drive. Approximately 20 residents were affected by the service interruption.

At 09:48, staff notified the Health Unit and left a message regarding the extent of the outage. By early afternoon, staff were on-site with the contractor, and the Health Unit was informed of the planned repair activities. Replacement of the damaged section of watermain was completed shortly after 13:30, at which point the system was re-pressurized and flushed.

Once water service was restored, the required sampling was completed and was reported as non-detect for E. coli and total coliforms.

4. On June 24, 2025, staff responded to a watermain issue on Hall Street that had experienced multiple breaks in recent years. The Health Unit was notified, and approximately 30 residents were affected. After exposing the line, staff determined that the pipe showed significant deterioration and required more extensive replacement than initially planned.



Water was shut down around 18:00, though one valve did not fully hold pressure. After exposing the full extent of the damaged infrastructure, staff determined that a larger replacement was required. A total of 62.8 feet of pipe was removed and replaced. Two live taps were also installed to reconnect services.

By 22:40, the repaired section was re-pressurized and flushed through two hydrants. Bacteriological samples were collected from three locations and was reported as non-detect for E. coli and total coliforms.

AWQIs reported to the Ministry

Incident Date	Parameter	Result	Unit of Measure	Corrective Action/Comment	Corrective Action Date
n/a					

**SECTION 4: SECTION 11 REPORT**

**Information to be provided**

Population Served	<b>867</b> (Stats Canada – 2016)
Does your Drinking-Water System serve more than 10,000 people?	<b>No</b>
Is your annual report available to the public at no charge on a web site on the Internet?	<b>Yes</b>
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	<b>Town of Gore Bay, Municipal Office 15 Water Street Gore Bay, Ontario P0P 1H0</b>
Number of Designated Facilities served:	<b>0</b>
Did you provide a copy of your annual report to all Designated Facilities you serve?	<b>NA</b>
Number of Interested Authorities you report to:	<b>0</b>
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?	<b>NA</b>
List all Drinking-Water Systems (if any), and their DWS Number which receive all of their drinking water from your system:	<b>NA</b>
Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?	<b>NA</b>
Indicate how you notified system users that your annual report is available, and is free of charge.	<b>Public access/notice via a Public Library</b>
Indicate if you notified system users that your annual report is available and is free of charge using an alternate method	<b>Yes</b>

**Facility Description**

A US Filter membrane filtration plant supplying water to the Town of Gore Bay, drawing water from the North Channel of Lake Huron, consisting of two packaged membrane units, each with 32 microfiltration membrane modules, chlorine contact tank, clean water reservoir and high lift pump well supplying the



Town. The rated capacity of the system is 1250 m<sup>3</sup>/d. The plant consists of various chemical feed systems and utilizes sodium hypochlorite for disinfection. There is a 237 kW standby diesel generator to provide power during emergency situations. Non-chemical membrane wash water is returned to Gore Bay while chemical membrane wash water is neutralized and discharged to the sanitary sewer system. The Gore Bay drinking water distribution system consists of approximately 14.7 kilometers of distribution watermains of various diameters.

### Chemicals Used

Sodium Hypochlorite 12%	– Disinfection
Calcium Thiosulphate (Captor)	– De-chlorination of wastewater
Citric Acid	– Cleaner for membranes
Sodium Hydroxide	– Neutralize the citric acid before disposal

### Significant Expenses

Significant expenses incurred to

- Install required equipment
- Repair required equipment
- Replace required equipment

Work Order	Completion Date	Comment
4969978	26-Jan-25	Air compressor repairs
4487651	30-May-25	Filter 2 compressor unloader valve replacement
4862456	10-Nov-25	PLC power supply replacement
4380936		Leak detection and watermain repairs

### Adverse Water Quality Incidents

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action/Comment	Corrective Action Date
n/a					

### Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03.

	No. of Samples Collected	Range of E.Coli		Range of Total Coliform Results		No. of HPC Samples	Range of HPC Results	
		Min #	Max #	Min #	Max #		Min #	Max #
Raw Water	52	0	NDOGT	0	NDOGT	N/A	N/A	N/A
Treated Water	52	0	0	0	0	52	0	6
Distribution	120	0	0	0	0	53	0	540



**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03**

	No. of Samples Collected	Range of Results		Units of Measure
		Minimum	Maximum	
Turbidity – Filter 1	8760	0.02	0.18	NTU
Turbidity – Filter 2	8760	0.01	0.09	NTU
Free Chlorine Residual – TW	8760	0.96	3.86	mg/L
Free Chlorine Residual – DW 1	104	0.97	1.97	mg/L
Free Chlorine Residual – DW 2	104	0.28	2.10	mg/L
Free Chlorine Residual – DW 3	104	0.10	2.01	mg/L
Free Chlorine Residual – DW 4	52	0.93	1.97	mg/L

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date of legal instrument issued	Parameter and limits	Month Sampled	Result Filter 1	Result Filter 2	RAA	Unit of Measure
MDWL 258-101 Issue Date: November 23, 2021 Expiry Date: November 22, 2026	Filter Backwash (FBW) Total Suspended Solids (TSS) 25 mg/L running annual average (RAA)	Jan	6	4	10.4	mg/L
		Apr	11	3	9.5	mg/L
		Jul	14	2	7.0	mg/L
		Oct	18	26	10.3	mg/L

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

TREATED WATER	Sample Date	Sample	MAC	No. of Exceedances	
	(yyyy/mm/dd)	Result		MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2025/01/09	< MDL 0.6	6	No	No
Arsenic: As (ug/L) - TW	2025/01/09	0.4	10	No	No
Barium: Ba (ug/L) - TW	2025/01/09	12.7	1000	No	No
Boron: B (ug/L) - TW	2025/01/09	12	5000	No	No
Cadmium: Cd (ug/L) - TW	2025/01/09	0.003	5	No	No
Chromium: Cr (ug/L) - TW	2025/01/09	0.18	50	No	No
Mercury: Hg (ug/L) - TW	2025/01/09	< MDL 0.01	1	No	No
Selenium: Se (ug/L) - TW	2025/01/09	0.1	50	No	No
Uranium: U (ug/L) - TW	2025/01/09	0.178	20	No	No

TREATED WATER	Sample Date	Sample	MAC	No. of Exceedances	
	(yyyy/mm/dd)	Result		MAC	1/2 MAC
Fluoride (mg/L) - TW	2021/01/18	< MDL 0.06	1.5	No	No
Nitrate : (mg/L) - TW	2025/01/09	0.25	10	No	No
Nitrate : (mg/L) - TW	2025/04/15	0.25	10	No	No
Nitrate : (mg/L) - TW	2025/07/22	0.196	10	No	No
Nitrate : (mg/L) - TW	2025/10/20	0.168	10	No	No



Nitrite : (mg/L) - TW	2025/01/09	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2025/04/15	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2025/07/22	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2025/10/20	< MDL 0.003	1	No	No
Sodium / Na (mg/L) - TW	2021/01/18	6.24	20*	No	No

\*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

### Summary of Lead testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
		Minimum	Maximum		
Distribution - Lead Results (ug/L)	n/a	n/a	n/a	10	N/A
Distribution - Alkalinity (mg/L)	4	64	79	N/A	N/A
Distribution - pH In-House	4	8.04	8.11	N/A	N/A

### Summary of Organic parameters sampled during this reporting period or the most recent results

TREATED WATER	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2025/01/09	< MDL 0.33	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/09	< MDL 0.41	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/01/09	< MDL 0.35	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/09	< MDL 0.36	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/09	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/09	< MDL 0.25	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/01/09	< MDL 0.15	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/09	< MDL 0.19	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/09	< MDL 0.12	100	No	No
Alachlor (ug/L) -TW	2025/01/09	< MDL 0.02	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/09	< MDL 0.01	5	No	No
Azinphos-methyl (ug/L)-TW	2025/01/09	< MDL 0.05	20	No	No
Benzene (ug/L)-TW	2025/01/09	< MDL 0.32	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/01/09	< MDL 0.004	0.01	No	No
Bromoxynil (ug/L)-TW	2025/01/09	< MDL 0.33	5	No	No
Carbaryl (ug/L)-TW	2025/01/09	< MDL 0.05	90	No	No
Carbofuran (ug/L) -TW	2025/01/09	< MDL 0.01	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/01/09	< MDL 0.17	2	No	No
Chlorpyrifos (ug/L) -TW	2025/01/09	< MDL 0.02	90	No	No
Diazinon (ug/L)-TW	2025/01/09	< MDL 0.02	20	No	No
Dicamba (ug/L)-TW	2025/01/09	< MDL 0.2	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/09	< MDL 0.35	50	No	No
Diclofop-methyl (ug/L)-TW	2025/01/09	< MDL 0.4	9	No	No



Dimethoate (ug/L)-TW	2025/01/09	< MDL 0.06	20	No	No
Diquat (ug/L)-TW	2025/01/09	< MDL 1	70	No	No
Diuron (ug/L)-TW	2025/01/09	< MDL 0.03	150	No	No
Glyphosate (ug/L)-TW	2025/01/09	< MDL 1	280	No	No
Malathion (ug/L)-TW	2025/01/09	< MDL 0.02	190	No	No
Metolachlor (ug/L)-TW	2025/01/09	< MDL 0.01	50	No	No
Metribuzin (ug/L)-TW	2025/01/09	< MDL 0.02	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/09	< MDL 0.3	80	No	No
Paraquat (ug/L)-TW	2025/01/09	< MDL 1	10	No	No
PCB (ug/L)-TW	2025/01/09	< MDL 0.04	3	No	No
Pentachlorophenol (ug/L)-TW	2025/01/09	< MDL 0.15	60	No	No
Phorate (ug/L)-TW	2025/01/09	< MDL 0.01	2	No	No
Picloram (ug/L)-TW	2025/01/09	< MDL 1	190	No	No
Prometryne (ug/L)-TW	2025/01/09	< MDL 0.03	1	No	No
Simazine (ug/L)-TW	2025/01/09	< MDL 0.01	10	No	No
Terbufos (ug/L)-TW	2025/01/09	< MDL 0.01	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/01/09	< MDL 0.35	10	No	No
Triallate (ug/L) -TW	2025/01/09	< MDL 0.01	230	No	No
Trichloroethylene (ug/L)-TW	2025/01/09	< MDL 0.44	5	No	No
Trifluralin (ug/L)-TW	2025/01/09	< MDL 0.02	45	No	No
Vinyl Chloride (ug/L)-TW	2025/01/09	< MDL 0.17	1	No	No
<b>DISTRIBUTION WATER</b>					
Trihalomethane: Running Annual Average - DW(ug/L)	2025/12/31	52.9	100.0	No	Yes
HAA : Running Annual Average – DW1(ug/L)	2025/12/31	37.6	80.0	No	No

## SECTION 5: RAW WATER SUBMISSIONS

Raw water flows were submitted to the Ministry on [January 29, 2026](#).

**Ontario**

Location: [WTRS / WT DATA / Input WT Record](#) WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 7461-AK4JRX  
 Permit Holder: THE CORPORATION OF THE TOWN OF GORE BAY.  
 Received on: Jan 29, 2026 2:37 PM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

[Return to Main Page](#)

TOWN2 GORE BAY2 | 2026/01/29  
 version: v5.0.0.01 (build#: 28)  
 Last modified: 2021/09/22

**Ontario** This site maintained by the Government of Ontario ©2026 [Queen's Printer for Ontario](#)



## **SECTION 6: CONCLUSION**

The Gore Bay WTP delivers water that in all its treated and distribution samples indicates the water to be free of bacteriological contamination.

Based on information available for the 2025 operating year the Gore Bay WTP was able to meet the demand of water use without exceeding the PTTW or the MDWL.



## List of Acronyms and Definitions

Alkalinity	The capacity of water for neutralizing an acid solution
AWQI	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
Backwash	Water pumped backwards to clean filters
BWA	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
CFU	Colony Forming Units
Chlorine Residual	A low level of chlorine remaining in water after disinfection occurs
DW	Distribution Water
DWA	Drinking Water Advisory; Issued when water cannot be consumed by any means
DWWP	Drinking Water Works Permit - provides a description of the overall system
E.Coli	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
GUDI 170/03	Groundwater Under Direct Influence – Considered to be surface water under O.Reg 170/03
HPC	Heterotrophic Plant Count
L/s	Litres per Second
m <sup>3</sup> /d	Cubic Metres per Day
MAC	Maximum Acceptable Concentration
MDL	Minimum Detection Level
MDWL requirements	Municipal Drinking Water Licence - relates to the operation and performance requirements
mg/L	Miligrams per Litre
Ministry	Ministry of the Environment, Conservation and Parks
MECP	Ministry of the Environment, Conservation and Parks
NDOGN	No Data: Overgrown with Non Target Bacteria
NDOGT	No Data: Overgrown with Target Bacteria
O.Reg	Ontario Regulation
PTTW water	Permit to Take Water – Permit which allows water taking from groundwater or surface water
RW	Raw Water
TC	Total Coliforms
TSS	Total Suspended Solids
Turbidity	Cloudiness or haziness of water
TW	Treated Water



# Appendix A

## Raw Water Flows

**Ontario Clean Water Agency**  
**Annual Water Taking and Transfer Report**

From 1/1/2025 To 12/31/2025

Facility: GORE BAY DRINKING WATER SYSTEM - 1112  
 Tag: Flow: Sum(m<sup>3</sup>/d)  
 Tag Group: Raw Water

Permit#: 7461-AK4JRX	Coordinate Zone:
Source Name: Lake Huron	Easting:
Source: Lake	Northing:
Type:	Method deter:
Purpose: Other - Water Supply	

Date Measured	Value (m <sup>3</sup> /d)	Value(Liters)
01/01/2025	464.7000	464700.0122
02/01/2025	381.3000	381299.9878
03/01/2025	416.9000	416899.9939
04/01/2025	472.7000	472700.0122
05/01/2025	477.7000	477700.0122
06/01/2025	378.8000	378799.9878
07/01/2025	473.5000	473500.0000
08/01/2025	325.4000	325399.9939
09/01/2025	483.1000	483100.0061
10/01/2025	474.2000	474200.0122
11/01/2025	472.2000	472200.0122
12/01/2025	354.8000	354799.9878
13/01/2025	510.4000	510399.9939
14/01/2025	432.6000	432600.0061
15/01/2025	341.7000	341700.0122
16/01/2025	472.9000	472899.9939
17/01/2025	472.2000	472200.0122
18/01/2025	336.0000	336000.0000
19/01/2025	480.1000	480100.0061
20/01/2025	464.9000	464899.9939
21/01/2025	334.3000	334299.9878
22/01/2025	504.4000	504399.9939
23/01/2025	1085.1000	1085099.9756
24/01/2025	1032.2000	1032199.9512
25/01/2025	781.3000	781299.9878
26/01/2025	847.2000	847200.0122
27/01/2025	812.1000	812099.9756
28/01/2025	775.3000	775299.9878

29/01/2025	787.8000	787799.9878
30/01/2025	778.0000	778000.0000
31/01/2025	782.5000	782500.0000
01/02/2025	792.7000	792700.0122
02/02/2025	795.7000	795700.0122
03/02/2025	783.7000	783700.0122
04/02/2025	784.0000	784000.0000
05/02/2025	808.9000	808900.0244
06/02/2025	805.3000	805299.9878
07/02/2025	791.9000	791900.0244
08/02/2025	800.0000	800000.0000
09/02/2025	800.2000	800200.0122
10/02/2025	845.8000	845799.9878
11/02/2025	791.1000	791099.9756
12/02/2025	815.3000	815299.9878
13/02/2025	800.3000	800299.9878
14/02/2025	807.8000	807799.9878
15/02/2025	822.5000	822500.0000
16/02/2025	776.2000	776200.0122
17/02/2025	845.2000	845200.0122
18/02/2025	804.2000	804200.0122
19/02/2025	807.1000	807099.9756
20/02/2025	885.7000	885700.0122
21/02/2025	853.0000	853000.0000
22/02/2025	797.3000	797299.9878
23/02/2025	766.9000	766900.0244
24/02/2025	911.2000	911200.0122
25/02/2025	863.7000	863700.0122
26/02/2025	937.8000	937799.9878
27/02/2025	862.2000	862200.0122
28/02/2025	889.9000	889900.0244
01/03/2025	866.3000	866299.9878
02/03/2025	954.2000	954200.0122
03/03/2025	889.9000	889900.0244
04/03/2025	838.7000	838700.0122
05/03/2025	850.4000	850400.0244
06/03/2025	868.8000	868799.9878
07/03/2025	930.3000	930299.9878
08/03/2025	753.9000	753900.0244
09/03/2025	911.3000	911299.9878
10/03/2025	772.6000	772599.9756
11/03/2025	844.5000	844500.0000
12/03/2025	872.8000	872799.9878
13/03/2025	782.2000	782200.0122

14/03/2025	894.6000	894599.9756
15/03/2025	936.7000	936700.0122
16/03/2025	804.3000	804299.9878
17/03/2025	929.8000	929799.9878
18/03/2025	637.6000	637599.9756
19/03/2025	518.3000	518299.9878
20/03/2025	518.8000	518799.9878
21/03/2025	455.3000	455299.9878
22/03/2025	524.1000	524099.9756
23/03/2025	507.4000	507399.9939
24/03/2025	581.3000	581299.9878
25/03/2025	453.2000	453200.0122
26/03/2025	586.2000	586200.0122
27/03/2025	508.0000	508000.0000
28/03/2025	497.1000	497100.0061
29/03/2025	451.9000	451899.9939
30/03/2025	598.3000	598299.9878
31/03/2025	466.8000	466799.9878
01/04/2025	686.7000	686700.0122
02/04/2025	592.8000	592799.9878
03/04/2025	452.4000	452399.9939
04/04/2025	442.3000	442299.9878
05/04/2025	440.3000	440299.9878
06/04/2025	594.8000	594799.9878
07/04/2025	451.0000	451000.0000
08/04/2025	481.3000	481299.9878
09/04/2025	469.3000	469299.9878
10/04/2025	579.2000	579200.0122
11/04/2025	433.8000	433799.9878
12/04/2025	438.5000	438500.0000
13/04/2025	581.4000	581400.0244
14/04/2025	458.9000	458899.9939
15/04/2025	448.6000	448600.0061
16/04/2025	573.0000	573000.0000
17/04/2025	462.6000	462600.0061
18/04/2025	447.8000	447799.9878
19/04/2025	565.3000	565299.9878
20/04/2025	510.6000	510600.0061
21/04/2025	510.1000	510100.0061
22/04/2025	466.1000	466100.0061
23/04/2025	466.7000	466700.0122
24/04/2025	462.3000	462299.9878
25/04/2025	442.2000	442200.0122
26/04/2025	412.9000	412899.9939

27/04/2025	495.7000	495700.0122
28/04/2025	396.1000	396100.0061
29/04/2025	510.3000	510299.9878
30/04/2025	422.7000	422700.0122
01/05/2025	501.0000	501000.0000
02/05/2025	446.0000	446000.0000
03/05/2025	513.3000	513299.9878
04/05/2025	451.6000	451600.0061
05/05/2025	504.5000	504500.0000
06/05/2025	557.2000	557200.0122
07/05/2025	527.1000	527099.9756
08/05/2025	508.0000	508000.0000
09/05/2025	509.3000	509299.9878
10/05/2025	443.2000	443200.0122
11/05/2025	547.8000	547799.9878
12/05/2025	480.2000	480200.0122
13/05/2025	614.8000	614799.9878
14/05/2025	580.8000	580799.9878
15/05/2025	626.4000	626400.0244
16/05/2025	519.0000	519000.0000
17/05/2025	665.2000	665200.0122
18/05/2025	545.0000	545000.0000
19/05/2025	600.3000	600299.9878
20/05/2025	508.8000	508799.9878
21/05/2025	641.4000	641400.0244
22/05/2025	623.3000	623299.9878
23/05/2025	503.3000	503299.9878
24/05/2025	615.2000	615200.0122
25/05/2025	608.2000	608200.0122
26/05/2025	613.5000	613500.0000
27/05/2025	509.2000	509200.0122
28/05/2025	671.1000	671099.9756
29/05/2025	642.6000	642599.9756
30/05/2025	543.1000	543099.9756
31/05/2025	599.3000	599299.9878
01/06/2025	641.5000	641500.0000
02/06/2025	606.7000	606700.0122
03/06/2025	717.2000	717200.0122
04/06/2025	646.0000	646000.0000
05/06/2025	732.2000	732200.0122
06/06/2025	732.2000	732200.0122
07/06/2025	685.4000	685400.0244
08/06/2025	644.8000	644799.9878
09/06/2025	609.2000	609200.0122

10/06/2025	623.4000	623400.0244
11/06/2025	603.5000	603500.0000
12/06/2025	577.7000	577700.0122
13/06/2025	588.9000	588900.0244
14/06/2025	577.9000	577900.0244
15/06/2025	597.0000	597000.0000
16/06/2025	626.5000	626500.0000
17/06/2025	745.0000	745000.0000
18/06/2025	603.4000	603400.0244
19/06/2025	581.2000	581200.0122
20/06/2025	586.2000	586200.0122
21/06/2025	540.4000	540400.0244
22/06/2025	662.9000	662900.0244
23/06/2025	648.0000	648000.0000
24/06/2025	659.6000	659599.9756
25/06/2025	733.4000	733400.0244
26/06/2025	457.8000	457799.9878
27/06/2025	526.0000	526000.0000
28/06/2025	579.7000	579700.0122
29/06/2025	594.0000	594000.0000
30/06/2025	594.1000	594099.9756
01/07/2025	618.1000	618099.9756
02/07/2025	617.6000	617599.9756
03/07/2025	602.4000	602400.0244
04/07/2025	592.0000	592000.0000
05/07/2025	658.6000	658599.9756
06/07/2025	495.0000	495000.0000
07/07/2025	602.3000	602299.9878
08/07/2025	589.7000	589700.0122
09/07/2025	587.7000	587700.0122
10/07/2025	696.3000	696299.9878
11/07/2025	631.5000	631500.0000
12/07/2025	634.9000	634900.0244
13/07/2025	547.1000	547099.9756
14/07/2025	698.2000	698200.0122
15/07/2025	773.2000	773200.0122
16/07/2025	834.9000	834900.0244
17/07/2025	502.6000	502600.0061
18/07/2025	670.4000	670400.0244
19/07/2025	644.3000	644299.9878
20/07/2025	588.3000	588299.9878
21/07/2025	535.9000	535900.0244
22/07/2025	641.8000	641799.9878
23/07/2025	582.3000	582299.9878

24/07/2025	556.1000	556099.9756
25/07/2025	642.8000	642799.9878
26/07/2025	728.6000	728599.9756
27/07/2025	688.2000	688200.0122
28/07/2025	722.8000	722799.9878
29/07/2025	631.1000	631099.9756
30/07/2025	767.0000	767000.0000
31/07/2025	722.6000	722599.9756
01/08/2025	643.5000	643500.0000
02/08/2025	582.9000	582900.0244
03/08/2025	888.1000	888099.9756
04/08/2025	353.9000	353899.9939
05/08/2025	1133.4000	1133400.0244
06/08/2025	723.8000	723799.9878
07/08/2025	845.0000	845000.0000
08/08/2025	579.5000	579500.0000
09/08/2025	677.4000	677400.0244
10/08/2025	706.9000	706900.0244
11/08/2025	560.5000	560500.0000
12/08/2025	624.7000	624700.0122
13/08/2025	640.7000	640700.0122
14/08/2025	662.3000	662299.9878
15/08/2025	643.0000	643000.0000
16/08/2025	566.2000	566200.0122
17/08/2025	613.7000	613700.0122
18/08/2025	560.0000	560000.0000
19/08/2025	617.5000	617500.0000
20/08/2025	540.7000	540700.0122
21/08/2025	672.0000	672000.0000
22/08/2025	649.9000	649900.0244
23/08/2025	508.4000	508399.9939
24/08/2025	601.6000	601599.9756
25/08/2025	554.0000	554000.0000
26/08/2025	616.1000	616099.9756
27/08/2025	589.2000	589200.0122
28/08/2025	597.3000	597299.9878
29/08/2025	629.3000	629299.9878
30/08/2025	650.5000	650500.0000
31/08/2025	552.9000	552900.0244
01/09/2025	568.5000	568500.0000
02/09/2025	631.6000	631599.9756
03/09/2025	532.1000	532099.9756
04/09/2025	611.7000	611700.0122
05/09/2025	480.3000	480299.9878

06/09/2025	627.7000	627700.0122
07/09/2025	468.1000	468100.0061
08/09/2025	623.8000	623799.9878
09/09/2025	544.5000	544500.0000
10/09/2025	617.6000	617599.9756
11/09/2025	614.3000	614299.9878
12/09/2025	517.1000	517099.9756
13/09/2025	576.6000	576599.9756
14/09/2025	560.2000	560200.0122
15/09/2025	540.3000	540299.9878
16/09/2025	621.2000	621200.0122
17/09/2025	508.6000	508600.0061
18/09/2025	626.8000	626799.9878
19/09/2025	472.3000	472299.9878
20/09/2025	626.7000	626700.0122
21/09/2025	480.8000	480799.9878
22/09/2025	542.9000	542900.0244
23/09/2025	535.6000	535599.9756
24/09/2025	335.3000	335299.9878
25/09/2025	764.8000	764799.9878
26/09/2025	584.4000	584400.0244
27/09/2025	503.1000	503100.0061
28/09/2025	518.2000	518200.0122
29/09/2025	684.7000	684700.0122
30/09/2025	526.3000	526299.9878
01/10/2025	510.9000	510899.9939
02/10/2025	509.6000	509600.0061
03/10/2025	506.8000	506799.9878
04/10/2025	495.5000	495500.0000
05/10/2025	576.1000	576099.9756
06/10/2025	419.1000	419100.0061
07/10/2025	599.0000	599000.0000
08/10/2025	429.5000	429500.0000
09/10/2025	594.6000	594599.9756
10/10/2025	487.2000	487200.0122
11/10/2025	492.3000	492299.9878
12/10/2025	452.4000	452399.9939
13/10/2025	464.6000	464600.0061
14/10/2025	454.1000	454100.0061
15/10/2025	537.9000	537900.0244
16/10/2025	475.7000	475700.0122
17/10/2025	501.1000	501100.0061
18/10/2025	505.8000	505799.9878
19/10/2025	503.8000	503799.9878

20/10/2025	419.8000	419799.9878
21/10/2025	437.8000	437799.9878
22/10/2025	576.2000	576200.0122
23/10/2025	516.3000	516299.9878
24/10/2025	447.1000	447100.0061
25/10/2025	559.0000	559000.0000
26/10/2025	448.4000	448399.9939
27/10/2025	497.9000	497899.9939
28/10/2025	560.6000	560599.9756
29/10/2025	512.7000	512700.0122
30/10/2025	499.1000	499100.0061
31/10/2025	475.5000	475500.0000
01/11/2025	486.2000	486200.0122
02/11/2025	464.6000	464600.0061
03/11/2025	524.3000	524299.9878
04/11/2025	613.0000	613000.0000
05/11/2025	458.4000	458399.9939
06/11/2025	527.0000	527000.0000
07/11/2025	560.2000	560200.0122
08/11/2025	496.1000	496100.0061
09/11/2025	495.0000	495000.0000
10/11/2025	461.4000	461399.9939
11/11/2025	540.4000	540400.0244
12/11/2025	444.5000	444500.0000
13/11/2025	557.4000	557400.0244
14/11/2025	394.5000	394500.0000
15/11/2025	526.9000	526900.0244
16/11/2025	541.8000	541799.9878
17/11/2025	411.2000	411200.0122
18/11/2025	568.9000	568900.0244
19/11/2025	490.0000	490000.0000
20/11/2025	426.8000	426799.9878
21/11/2025	508.7000	508700.0122
22/11/2025	493.9000	493899.9939
23/11/2025	587.6000	587599.9756
24/11/2025	450.0000	450000.0000
25/11/2025	581.1000	581099.9756
26/11/2025	442.0000	442000.0000
27/11/2025	418.0000	418000.0000
28/11/2025	527.7000	527700.0122
29/11/2025	477.5000	477500.0000
30/11/2025	518.1000	518099.9756
01/12/2025	478.8000	478799.9878
02/12/2025	363.7000	363700.0122

03/12/2025	548.7000	548700.0122
04/12/2025	364.1000	364100.0061
05/12/2025	627.3000	627299.9878
06/12/2025	457.9000	457899.9939
07/12/2025	458.6000	458600.0061
08/12/2025	521.9000	521900.0244
09/12/2025	457.3000	457299.9878
10/12/2025	474.3000	474299.9878
11/12/2025	536.0000	536000.0000
12/12/2025	427.2000	427200.0122
13/12/2025	447.6000	447600.0061
14/12/2025	512.3000	512299.9878
15/12/2025	462.2000	462200.0122
16/12/2025	484.3000	484299.9878
17/12/2025	470.9000	470899.9939
18/12/2025	530.4000	530400.0244
19/12/2025	486.4000	486399.9939
20/12/2025	506.6000	506600.0061
21/12/2025	479.8000	479799.9878
22/12/2025	483.8000	483799.9878
23/12/2025	562.4000	562400.0244
24/12/2025	412.7000	412700.0122
25/12/2025	491.6000	491600.0061
26/12/2025	456.8000	456799.9878
27/12/2025	476.1000	476100.0061
28/12/2025	448.5000	448500.0000
29/12/2025	392.9000	392899.9939
30/12/2025	437.6000	437600.0061
31/12/2025	490.1000	490100.0061