



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**



**Annual Summary Report**

**Lambton Area Water Supply System**

**2022**

**Prepared for the Lambton Area Water Supply System Board**

**By the Ontario Clean Water Agency**

**TABLE OF CONTENTS**

<b>Section Number</b>	<b>CONTENTS</b>	<b>Page Number</b>
1	<p><b>"Compliance with the Safe Drinking Water Act and Regulation 170/03, the system's approval, drinking water works permit, municipal drinking water licence and any orders applicable to the system "</b></p> <p><i>Statement of Compliance</i></p>	2
2	<p><b>"Non-Compliance with the Safe Drinking Water Act and Regulation 170/03, the system's approval, drinking water works permit, municipal drinking water licence and any orders applicable to the system"</b></p> <p><i>Details of the non-compliance issues as well as how and when any non-compliance issues were corrected</i></p>	2
3	<p><b>"Assessment of the capability of the system to meet existing and planned uses of the system"</b></p> <p><i>Summary and discussion of quantity of water supplied</i></p>	3
<b>APPENDIX</b>		
Appendix A	Annual volume record of the Lambton Area Water Supply System January 1, 2022 – December 31, 2022	4-5

# Lambton Area Water Supply System Annual Summary Report 2022

---

## SECTION 1

### **Statement of Compliance**

This report is a summary of water quality information for the Lambton Area Water Supply System and published in accordance with Schedule 22 of Ontario's Safe Drinking Water Act, Ontario Regulation 170/03 for the reporting period of January 1, 2022 to December 31, 2022. The Lambton Area Water Supply System is categorized as a Large Municipal Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency on behalf of the Lambton Area Water Supply System Board.

The Lambton Area Water Supply System was operated and maintained in such a manner that the water supplied to the consumers serviced by the system satisfied all the requirements in the Safe Drinking Water Act, the Certificate of Approval and the Municipal Drinking Water Licence. There were two non-compliance issues reported.

## SECTION 2

### **Details of the non-compliance issues as well as how and when any non-compliance issues were corrected**

<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Notice of Resolution</b>
No non-compliances noted					

### SECTION 3

#### **Summary and discussion of quantity of water supplied**

In accordance with Schedule 22-2 (3) *“the report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system.”*

- 1. 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 and daily instantaneous peak flow rate.*
- 2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval must be discussed.*

The rated capacity specified in the Municipal Drinking Water Licence (Licence Number: 020-101) for the Lambton Area Water Supply System is 181,844 m<sup>3</sup>/day. The maximum treated daily flow for the reporting period was 91,692 m<sup>3</sup>/day on July 18, 2022. The rated capacity from the Municipal Drinking Water Licence was not exceeded.

The Permit to Take Water (Number 3560-APLNRJ) states the maximum amount of water taken is 182,000 m<sup>3</sup>/day. The maximum amount of raw water taken in 2022 was 90,191 m<sup>3</sup>/day on July 21, 2022. The Permit to Take Water limit was not exceeded.

Attached in Appendix A, are the average daily volume (m<sup>3</sup>), the maximum daily volume (m<sup>3</sup>) and the peak daily flow rate (L/sec) for treated water and raw. Also noted is the % of Design Volume for each.

The quantity of water supplied during the reporting period did not exceed the rated capacity of this facility.

# Lambton Area Water Supply System Annual Summary Report 2022

---

## Appendix A

### Lambton Area Water Supply System Annual Volume Record for 2022

Design Rated Capacity (Treated Flows): 181,844 m<sup>3</sup>/day

Month	Average Daily Volume of Treated Water (m <sup>3</sup> )	% of Design Volume	Maximum Daily Volume (m <sup>3</sup> )	% of Design Volume	Peak Daily Rate (L/sec)	% of Design Rate of 2104 L/sec
January	47231	26.0	54490	30.0	798.4	37.9
February	48835	26.9	63152	34.7	936.5	44.5
March	47859	26.3	55178	30.3	803.1	38.2
April	47733	26.2	55528	30.5	802.9	38.1
May	55557	30.6	79060	43.5	1103.3	52.4
June	65858	36.2	83295	45.8	1270.3	60.4
July	73847	40.6	91692	50.4	1108.3	52.7
August	67353	37.0	83378	45.9	1071.1	50.9
September	65882	36.2	81708	44.9	1105.5	52.5
October	51136	28.1	64682	35.6	796.7	37.9
November	47902	26.3	63241	34.8	914.5	43.5
December	46787	25.7	61885	34.0	790.9	37.6

## Lambton Area Water Supply System Annual Summary Report 2022

---

### Permit to Take Water Max Flow (Raw Water): 182,000 m<sup>3</sup>/day

<b>Month</b>	<b>Average Daily Volume of Raw Water (m<sup>3</sup>)</b>	<b>% of Permit Volume</b>	<b>Maximum Daily Volume (m<sup>3</sup>)</b>	<b>% of Permit Volume</b>	<b>Peak Daily Rate (L/sec)</b>	<b>% of Permit Rate of 2106 L/sec</b>
January	49342	27.2	62468	34.3	723.0	34.3
February	50303	27.8	59169	32.5	684.8	32.5
March	49037	27.1	58576	32.2	678.0	32.2
April	48455	26.7	63838	35.1	738.9	35.1
May	56897	31.4	83369	45.8	964.9	45.8
June	65500	36.1	87794	48.2	1016.1	48.2
July	75695	41.8	90191	49.6	1043.9	49.6
August	68533	37.8	82169	45.1	951.0	45.1
September	66537	36.7	83440	45.8	965.7	45.8
October	51957	28.7	65750	36.1	761.0	36.1
November	46289	25.5	57288	31.5	861.9	40.9
December	48447	26.7	56811	31.2	657.5	31.2