

Jacobs

Municipality of Lambton Shores

Annual Summary Report

East Lambton Shores Water Distribution System

2023

This summary report has been prepared by Jacobs for the Municipality of Lambton Shores. The purpose of the report is to meet the requirements of the Safe Drinking Water Act, 2002 – Ontario Regulation 170/03, schedule 22. The report summarizes the water quality information for the East Lambton Shores Water Distribution System, water works number 260006568 for the period of January 1 2023 to December 31 2023. The East Lambton Shores Water Distribution System (ELS) is categorized as a Large Municipal Residential Drinking Water System. The water is supplied by the Lake Huron Primary Water Supply System (LHPWSS).

Statement of compliance.

The East Lambton Shores Water Distribution System was operated and maintained by Jacobs, on behalf of the Municipality of Lambton Shores, in such a manner that the water supplied to the consumers serviced by the system was in compliance with the requirements of the Safe Drinking Water Act, all applicable regulations made in accordance with that Act, the Drinking Water Works Permit and the Municipal Drinking Water License.

Details of adverse results.

There was one adverse water quality event in 2023. A bacti sample collected from Sitter Road auto flusher on March 20 2023 had a total coliform result of 1 cfu/100 ml. AWQI 161556 was reported on March 22 2023. Two sets of resamples were collected and the issue was resolved March 27 2023.

Details of non-compliance issues.

The East Lambton Shores Water Distribution System was inspected by the Ministry of the Environment, Conservation and Parks in October 2023. There were no non-compliance issues identified at that time. The final inspection rating was 100%.

Summary of water quantity and flow rates.

The East Lambton Shores Water Distribution System receives all of its water from the Lake Huron Primary Water Supply System. LHPWSS has a flow meter on the B-line which monitors the flows coming into the ELS system from the LHPWSS. There is no agreement between the Municipality and LHPWSS as to the water flow rates that LHPWSS can provide to the municipality. Attached below are the average daily flow rates of water received from the LHPWSS through the B-Line flow meter.

	Average Daily Flow
Month	m3/d
January	2642
February	2933
March	2710
April	3075
May	4547
June	4939
July	5702
August	5488
September	5335
October	3955
November	3265
December	3397