



Municipality of Lambton Shores

Annual Summary Report

East Lambton Shores Water Distribution System

2024

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 2024 to December 31 2024. 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 2024. During routine dead end residual checking a line valve was closed to direct flow to a dead end. This caused a loss of pressure in Grand Bend. The cause was determined to be a line valve that was inadvertently left off after a watermain break. MOH directed the operating authority to collect two bacti samples in the affected area and one of the supply and to monitor chlorine residuals. AWQI 166896 was reported November 18, 2024. Bacti samples were collected. Dead end residuals and hydrant residuals showed normal levels of chlorine. Bacti results were all zero cfu/100 ml and the issue was resolved November 21, 2024.

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 2024. 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.

2024	Average Daily Flow
Month	m3/d
January	3129
February	3523
March	3526
April	3454
May	4272
June	5993
July	5974
August	5636
September	5635
October	4206
November	3826
December	4227