

Public
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OntarioPublic Health Laboratory - London
102-1200 Commissioners Road East
LONDON, ON N5Z4R3**Bacteriological Analysis of Beach Water Multiple Sample Report for Official Agencies**

Submitter: DIRECTOR OF ENVIRONMENTAL HEALTH
SOUTHWESTERN PUBLIC HEALTH - ELGIN ST
THOMAS SITE
1230 TALBOT ST
ST THOMAS, ON N5P1G9

Date & Time Collected*: 06-Aug-2024 9:35 am
Date & Time Received*: 06-Aug-2024 3:49 pm
Date Reported: 07-Aug-2024 2:20 pm
Resample: No

*All time values are EST /EDT.

Associated Public Health Unit: Southwestern Health Unit

Beach: PORT GLASGOW

Laboratory Results

Barcode ID	Date Analyzed	<i>E. coli</i> (CFU/100 mL)	Sample Comments
012731282	06-Aug-2024	310	
012731140	06-Aug-2024	250	
012731275	06-Aug-2024	410	
012731195	06-Aug-2024	260	
012731182	06-Aug-2024	330	

Geometric Mean: 307

Authorized by: Chief, Medical Microbiology or Designate

All samples were received in good condition unless otherwise stated under comments.

The **geometric mean** was calculated using the formula in the Ministry of Health and Long-Term Care Operational Approaches for Recreational Water Guideline:

$$\text{Geometric Mean} = ((X_1) \cdot (X_2) \cdot (X_3) \dots (X_n))^{1/n}$$

where (X_1) , (X_2) , etc. are individual data points and n is the total number of data points used in the calculations.

A value of 10 is used in the calculation for results reported as <10 cfu/100 mL and a value of 1000 is used in the calculation for results reported as $>1.0E3$ cfu/100 mL. Cancelled samples will not be included in calculation of the geometric mean. If additional samples were submitted for this beach, the submitter must use another method to determine the correct geometric mean for that sampling session.

Exponential values are reported as "En" where "n" is the exponent (e.g. E3 is $X 10^3$).

Test Method: Membrane filtration (modified from the American Society for Microbiology's Bacteriological Examination of Waters: Membrane Filtration Protocol, current edition). The results apply to the sample(s) as received and only relate to these sample(s) tested.

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The contents of this document are confidential and intended only for the use of the individual named as the "Submitter". If you have received this information in error, please notify the PHO customer service centre by telephone at 1-877-604-4567 or 416-235-6556.

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Final

