

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*: 21-Jul-2025 1:15 pm
Date & Time Received*: 22-Jul-2025 3:19 pm
Date Reported: 23-Jul-2025 11:31 am
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
012729337	22-Jul-2025	20	
012729513	22-Jul-2025	10	
012729304	22-Jul-2025	30	
012729392	22-Jul-2025	10	
012729512	22-Jul-2025	40	

Geometric Mean: 19

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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Final

