

**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\*:** 04-Jul-2022 1:30 pm  
**Date & Time Received\*:** 05-Jul-2022 4:51 pm  
**Date Reported:** 06-Jul-2022 12:30 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
011845120	05-Jul-2022	<10	
011845179	05-Jul-2022	<10	
011845102	05-Jul-2022	<10	
011845118	05-Jul-2022	10	
011845084	05-Jul-2022	40	

**Geometric Mean: 13**

**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<sub>1</sub>), (X<sub>2</sub>), 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/100mL. 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<sup>3</sup>).

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.

If the reported client information does not match the information you supplied on the form please contact the PHO Customer Service Centre. Telephone: 1-877-604-4567 or 416-235-6556 or E-mail: customerservicecentre@ohpp.ca. For operating hours, see our website: www.publichealthontario.ca/labs.

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