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Public 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\*:** 22-Jul-2024 1:20 pm  
**Date & Time Received\*:** 23-Jul-2024 3:08 pm  
**Date Reported:** 24-Jul-2024 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
012731198	23-Jul-2024	<10	
012731228	23-Jul-2024	10	
012731130	23-Jul-2024	<10	
012730955	23-Jul-2024	20	
012731193	23-Jul-2024	50	

**Geometric Mean:** 16

**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.

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@oahpp.ca. For operating hours, see our website: [www.publichealthontario.ca/labs](http://www.publichealthontario.ca/labs).

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

