

Public Health Ontario

Santé publique Ontario

Public Health Laboratory - Peterborough
99 Hospital Drive
PETERBOROUGH, ON K9J6Y8

Bacteriological Analysis of Beach Water Multiple Sample Report for Official Agencies

Submitter: DIRECTOR OF ENVIRONMENTAL HEALTH
HALIBURTON KAWARTHA PINERIDGE DISTRICT
HEALTH UNIT
200 ROSE GLEN RD
PORT HOPE, ON L1A3V6

Date & Time Collected*: 11-Jul-2022 7:50 am
Date & Time Received*: 12-Jul-2022 12:06 pm
Date Reported: 13-Jul-2022 9:34 am
Resample: No

*All time values are EST /EDT.

Associated Public Health Unit: Haliburton-Kawartha-Pine Ridge District

Beach: COBOURG HARBOUR SHORELINE

Laboratory Results

Barcode ID	Date Analyzed	<i>E. coli</i> (CFU/100 mL)	Sample Comments
011902975	12-Jul-2022	350	
011902926	12-Jul-2022	440	
011902900	12-Jul-2022	240	
011902869	12-Jul-2022	30	
011902846	12-Jul-2022	>1000	

Geometric Mean: 256

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 Guidelines:

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

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 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.

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.

Public Health Laboratory - Peterborough
99 Hospital Drive
PETERBOROUGH, ON K9J 6Y8
705-743-8811

Final





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Submitter: DIRECTOR OF ENVIRONMENTAL HEALTH
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HEALTH UNIT
200 ROSE GLEN RD
PORT HOPE, ON L1A3V6

Date & Time Collected*: 11-Jul-2022 8:20 am
Date & Time Received*: 12-Jul-2022 12:07 pm
Date Reported: 13-Jul-2022 9:34 am
Resample: No

*All time values are EST /EDT.

Associated Public Health Unit: Haliburton-Kawartha-Pine Ridge District

Beach: COBOURG HARBOUR 50

Laboratory Results

Barcode ID	Date Analyzed	<i>E. coli</i> (CFU/100 mL)	Sample Comments
011902902	12-Jul-2022	10	
011902888	12-Jul-2022	40	
011902917	12-Jul-2022	80	
011902884	12-Jul-2022	<10	
011902928	12-Jul-2022	10	

Geometric Mean: 20

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/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 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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PORT HOPE, ON L1A3V6

Date & Time Collected*: 11-Jul-2022 8:35 am
Date & Time Received*: 12-Jul-2022 12:04 pm
Date Reported: 13-Jul-2022 9:34 am
Resample: No

*All time values are EST /EDT.

Associated Public Health Unit: Haliburton-Kawartha-Pine Ridge District

Beach: COBOURG HARBOUR 100

Laboratory Results

Barcode ID	Date Analyzed	E. coli (CFU/100 mL)	Sample Comments
011902901	12-Jul-2022	10	
011902878	12-Jul-2022	50	
011902920	12-Jul-2022	10	
011902939	12-Jul-2022	10	
011902870	12-Jul-2022	10	

Geometric Mean: 14

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 Guidelines:

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

where (X₁), (X₂), 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 10³).

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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