

# WHICH ENVIRONMENTAL FACTORS AFFECT BEACH WATER QUALITY?

Statistical models were used to explore relationships between the environment and E. coli levels in Toronto and Niagara Region beach waters.

In Toronto, each beach had different environmental factors affecting E. coli levels, suggesting unique contamination sources at beaches. This was not seen in Niagara.


## IMPORTANT FACTORS AT ALL BEACHES

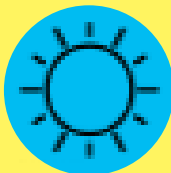
  
Turbidity

  
Yesterday's E. coli count


  
Water level

  
Wave height

  
Air temperature

  
UV Index

## IMPORTANT FACTORS IN TORONTO

  
Rain

  
Stream discharge

  
Waterfowl

## IMPORTANT FACTORS IN NIAGARA REGION

  
Onshore wave height

  
Offshore wave height

