DATA SHEET · AGES 10–15

Water quality samples

Name _____

Date _____

On the map, turn on **Water quality** and tap three sampling sites. Copy the latest samples from each card. These are samples people collected by hand, on the date shown: they aren't live.

Open it: inthelakes.ca/ · About 30–40 minutes

1 Three sites

	Site 1	Site 2	Site 3
Site name			
Collected by			
Date sampled			
Water temperature (°C)			
pH			
Dissolved oxygen (mg/L)			
Total phosphorus			
E. coli			
Something else measured			

> **Some guides:** pH between about 6.5 and 8.5 is healthy for most lake life. Fish need about 5 mg/L or more of dissolved oxygen. Ontario's limit for swimming beaches is 200 E. coli per 100 mL.

2 Compare

Which site's water looks healthiest? Which readings tell you?

Were any readings outside the guides? What might cause that at that site?

Why does it matter which day a sample was taken? What could be different on another day?