

Global Learning and Observation to Benefit the Environment
(GLOBE) Hydrosphere Datasheet

Name Donald Duck

Site Identification The GLOBE Lake

Date September 26, 2018 1 pm local time

Water Transparency (Tube)

1. Fetch water using a bucket – fill the bucket about 1/3 full. With a cup, slowly pour the water into the transparency tube until you can no longer see the cross mark at the bottom of the tube. Record the height of the water in cm. Repeat 2 more times.

Result: (in cm) 31	Result: (in cm) 33	Result: (in cm) 31
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Water pH & Temperature

1. From the bucket of water, use the pH/temperature meter to measure the pH and temperature of the water. Repeat 2 more times.

pH: 7.5	Temperature: (° C): 22.4
pH: 7.7	Temperature: (° C): 23.1
pH: 7.7	Temperature: (° C): 24.5

Electrical Conductivity (EC)

1. From the bucket of water collected, use the EC meter to record the electrical conductivity of the water. Repeat 2 more times.

Result: 437	Result: 379	Result: 389
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Nitrates

1. From the bucket of water collected, use the LaMotte test kit to record the amount of nitrates in the water. Repeat 2 more times.

Result: 44	Result: 45	Result: 40
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Dissolved Oxygen

1. From the bucket of water collected, use the LaMotte test kit to record the quantity of dissolved oxygen in the water. Repeat 2 more times.

Result: 5	Result: 6	Result: 5
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Alkalinity

1. From the bucket of water collected, use the LaMotte test kit and record the number of drops to measure alkalinity in water. Repeat 2 more times.

Result: 11	Result: 11	Result: 13
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