



GLOBE

Water Temperature

Data Sheets

Print the Water Temperature Data Sheet:

- [Water Temperature Data Sheet](#)

Or select an alternative option below: :

- [Water Temperature: New Site](#) (2 pages)
 - Use this the first time you visit a sampling site to record site definition data.
- [Water Temperature: Weekly Measurements](#)
 - This data sheet has space to record weekly water temperature measurements.
- [Water Temperature with field guide](#)
 - This data sheet has the field guide incorporated.
- [Water Temperature: Simplified](#)
 - Use this data sheet when working with those new to GLOBE and collecting data.

GLOBE Water Temperature Data Sheet

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Water State: Normal Flooded Dry Frozen Unreachable

If anything except Normal is selected, stop here!

Temperature measured with: Alcohol-filled Thermometer Probe

Comments:

Temperature Measurements

Sample #1: _____ °C

Sample #2: _____ °C

Sample #3: _____ °C

Average of the three samples:

_____ °C

Stop and Check:

1. Are your measurements between -2 and 45°C?
2. Are all measurements within 1°C of the average?

If not, repeat your measurements!

Comments:

GLOBE Water Temperature Data Sheet: New Site (page 1)

Name: _____ Site Name: _____

Date: _____ Time (local): _____

New Site Definition

Latitude: _____ Longitude: _____

Elevation: _____ m

Name of Water Body: _____

Water Body Type: Unknown Saltwater Freshwater Brackish

Water State: Normal Flooded Dry Frozen Unreachable

If anything except Normal is selected, stop here!

Temperature measured with: Alcohol-filled Thermometer Probe

Comments: _____

Temperature Measurements

Sample #1: _____ °C

Sample #2: _____ °C

Sample #3: _____ °C

Average of the three samples:

_____ °C

Stop and Check:

1. Are your measurements between -2 and 45°C?
2. Are all measurements within 1°C of the average?

If not, repeat your measurements!

Comments: _____

GLOBE Water Temperature Data Sheet: New Site (page 2)

Optional Site Definition Information

Water Body Source: _____

Can you see the bottom? Yes No

Water Sampling location:

Outlet Bank Bridge Boat Inlet Pier

Channel/Bank Material:

Soil Rock Concrete Vegetated Bank

Bedrock:

Granite Limestone Volcanics Mixed Sediments Unknown

Freshwater Habitats Present:

Rocky Substrate Vegetated Bank Mud Substrate Sand Substrate
 Submersed Vegetation Logs

Saltwater Habitats Present:

Rocky Shore Sandy Shore Mud Flats/Estuary

If the water body source is a **river** or **stream**:

Width of moving water: _____ meters

If the water body source is a **pond, lake, reservoir, bay, ditch** or **estuary**:

Area of standing water: _____ km²

Average depth of standing water _____ meters

GLOBE Water Temperature Data Sheet: Weekly

Name: _____ Site Name: _____

Temperature measured with : Alcohol-filled Thermometer Probe

Comments:

Temperature Measurements

Date	Time (local)	Water State*	Sample 1 (°C)	Sample 2 (°C)	Sample 3 (°C)	Average (°C)

*Water State Options: N = Normal, Fl = Flooded, D = Dry, Fr = Frozen, U = Unreachable.

If anything except Normal is selected, do not collect measurements.

Comments:

Stop and Check:

1. Are your measurements between -2 and 45°C?
2. Are all measurements within 1°C of the average?

If not, repeat your measurements!

GLOBE Water Temperature Data Sheet and Field Guide

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Water State: Normal Flooded Dry Frozen Unreachable

If anything except Normal is selected, stop here!

Temperature measured with : Alcohol-filled Thermometer Probe

Comments:

Temperature Measurements

1. Put the thermometer or probe into the sample water to a depth of 10 cm.
2. Leave the thermometer in the water for three minutes.
3. Read the temperature without removing the thermometer from the water.
4. Let the thermometer stay in the water sample for one more minute.
5. Re-read the temperature. If the temperature has not changed, record the number next to Sample #1 below. If the temperature has changed since the last reading, repeat Step 4 until the temperature remains constant.
6. Repeat the measurement with two new water samples.

Sample #1: _____ °C

Sample #2: _____ °C

Sample #3: _____ °C

7. Take the average of the three samples:

Average: _____ °C

Stop and Check:

1. Are your measurements between -2 and 45°C?
 2. Are all measurements within 1°C of the average?
- If not, repeat your measurements!

Comments:

GLOBE Water Temperature Data Sheet: Simplified

Name: _____

Site Name: _____

Date: _____ Time (local): _____

Water State: Normal Flooded Dry Frozen Unreachable

If anything except Normal is selected, stop here!

Temperature measured with : Alcohol-filled Thermometer Probe

Temperature Measurements

Sample #1: _____ °C

Sample #2: _____ °C

Sample #3: _____ °C

Average of the three samples:

_____ °C

Stop and Check:

1. Are your measurements between -2 and 45°C?
2. Is each sample measurement no more than 1° higher or lower than the average?

If not, repeat your measurements!

Notes: