GLOBE
Water Transparency Data Sheets
With Transparency Tube

Print the Water Transparency Data Sheet:

- Water Transparency Data Sheet

Or select an alternative option below: :

- Water Transparency: New Site (2 pages)
  - Use this the first time you visit a sampling site to record site definition data.
- Water Transparency: Weekly Measurements
  - This data sheet has space to record weekly water transparency measurements.
- Water Transparency with field guide
  - This data sheet has the field guide incorporated.
- Water Transparency for youth
  - Use this data sheet when working with young researchers.

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GLOBE Water Transparency Tube Data Sheet

Name: _____ Site Name: _____

Date: _____ Time (local): _____

Water State: ☐ Normal ☐ Flooded ☐ Dry ☐ Frozen ☐ Unreachable

If anything except Normal is selected, stop here!

Height of Transparency Tube: _____ cm

Transparency Tube Measurements

Depth #1: _____ cm ☐ Greater than depth of Transparency Tube

Depth #2: _____ cm ☐ Greater than depth of Transparency Tube

Depth #3: _____ cm ☐ Greater than depth of Transparency Tube

Comments:

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GLOBE Water Transparency Tube 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!

Height of Transparency Tube: _____ cm

Transparency Tube Measurements

Depth #1: _____ cm ☐ Greater than depth of Transparency Tube

Depth #2: _____ cm ☐ Greater than depth of Transparency Tube

Depth #3: _____ cm ☐ Greater than depth of Transparency Tube

Comments:

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GLOBE Water Transparency Tube 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: _____ km^2

Average depth of standing water _____ meters

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GLOBE Water Transparency Tube Data Sheet: Weekly

Name: _____ Site Name: _____

Height of transparency tube: _____ cm

Transparency Tube Measurements

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

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

Date	Time (local)	Water State*	Depth 1 ** (cm)	Depth 2 ** (cm)	Depth 3 ** (cm)

** If you can still see the disk on the bottom of the tube after the tube is filled, write "Greater Depth".

Comments:

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GLOBE Water Transparency Tube 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!

Height of transparency tube: _____ cm

Transparency Tube Measurements

1. Collect a surface water sample. See *Collecting Your Water Sample in a Bucket Field Guide*.
2. Stand with your back to the sun so that the transparency tube is shaded.
3. Pour sample water slowly into the tube. Look straight down into the tube with your eye close to the tube opening. Stop adding water when you cannot see the pattern at the bottom of the tube.
4. Rotate the tube slowly as you look to make sure you cannot see any of the pattern.
5. Record the depth of water in the tube to the nearest cm. Note: If you can still see the disk on the bottom of the tube after the tube is filled, check the box instead.

Depth #1: _____ cm ☐ Greater than depth of Transparency Tube

6. Pour the water from the tube back into the sample bucket or mix up the remaining sample.
7. Repeat the measurement two more times with different observers using the same sample water.

Depth #2: _____ cm ☐ Greater than depth of Transparency Tube

Depth #3: _____ cm ☐ Greater than depth of Transparency Tube

Comments:

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GLOBE Water Transparency Tube Data Sheet: Youth

Name: _____

Site Name: _____

Date: _____ Time (local): _____

Water State: ☐ Normal ☐ Flooded ☐ Dry ☐ Frozen ☐ Unreachable

If anything except Normal is selected, stop here!

Transparency Tube Measurements

Depth #1: _____ cm *OR* ☐ Greater than depth of Transparency Tube

Depth #2: _____ cm *OR* ☐ Greater than depth of Transparency Tube

Depth #3: _____ cm *OR* ☐ Greater than depth of Transparency Tube

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Notes:

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