

## Secchi Disk Instructions - Transparency

The Secchi disk may be your preferred instrument if you are sampling from a **dock, pier or boat** and can look straight down at the disk (make sure the rope is not moved by the current).

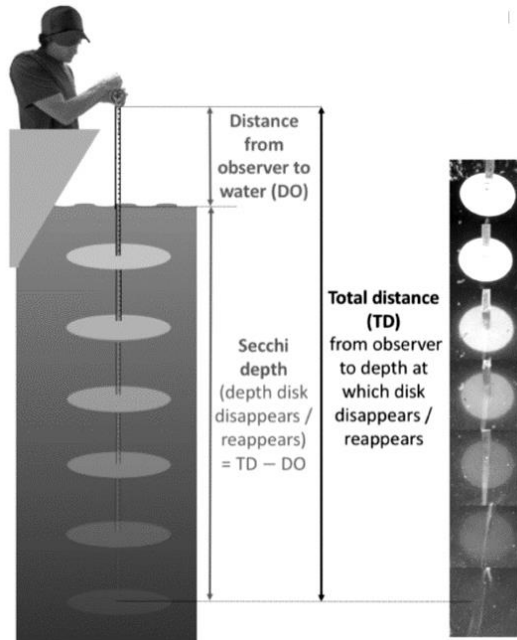


Remove hats and sunglasses to perform this test, choosing the more shady side of the dock, pier or boat.



The Secchi disk should be hanging **vertical** in the water. If the current is changing the angle of the rope and moving the disk, the line should be weighted OR transparency tube should be used instead.

1. Slowly lower the disk until it is no longer visible in the water. Record this depth from disk to **surface of water**.
2. Slowly raise the disk until it just reappears. Record this depth from the disk to the **surface of water**.
3. Average the two readings for the depth and record on the datasheet in **meters** (100 cm = 1 meter).



### Maintenance:

All equipment should be rinsed in fresh water after each use, then air dried completely. The line should be washed and hung out loosely to dry in the open air. When dry, you can store equipment. Store in a clean, dry place only.

## Transparency Tube Instructions

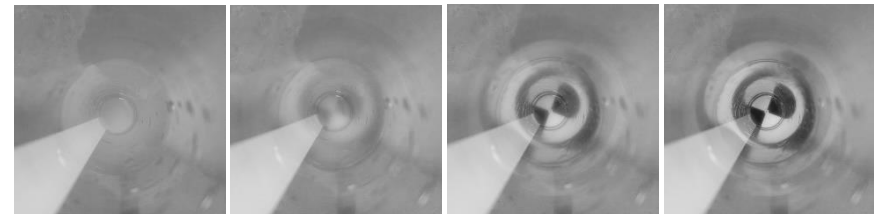
The Transparency Tube may be your preferred instrument if you are sampling from a **boat ramp, bank or areas with fast current**. **DO NOT WALK INTO THE MARSH**. A sampling pole with cup for water may be needed to retrieve your sample in a safe matter.



Remove hats and sunglasses to perform this test, choosing the most shady area of your site.



1. Using your transparency tube, bucket or sampling pole, lower it below the water surface to collect a sample of water at your site. **Be careful not to stir up the bottom**, as this will increase the turbidity of your sample.
2. Holding the tube vertically, fill the tube with your sample water. Make sure the sample is well mixed. **Stir it if you have let it sit**.
3. From above, look straight down (in a shady place) into the open end of the tube and press the release valve to allow water to drain from the bottom until the black and white quadrants can be seen (stop when barely visible, photo "B" below).



A. Full Tube B. Record in cm C. Too Far D. Empty Tube

4. Looking at the side of the tube, measure the depth in **centimeters**.
5. After sampling, rinse any mud or debris from the transparency tube with fresh water and allow to dry completely before storing.