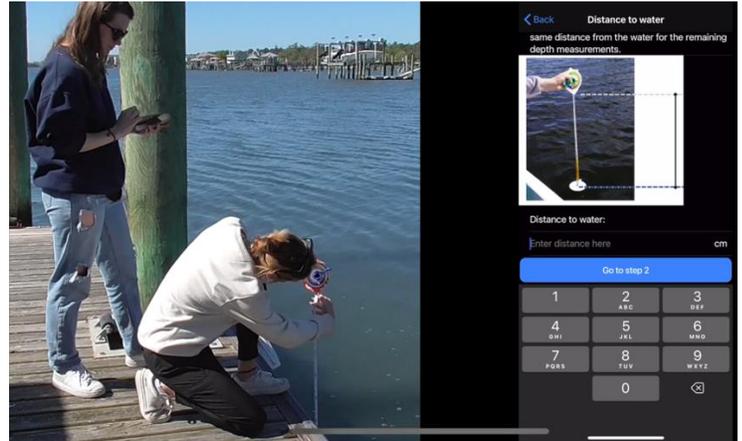


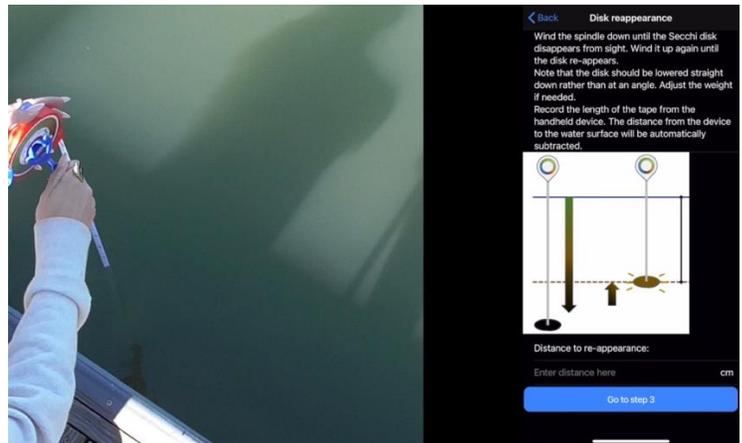
Mini-Secchi Disk How-To Guide

Upload data to the app while taking measurements or use the provided data sheet. **Remember: Safety first!** Find a stable spot (dock or boat) where you can look into the water, away from sun reflections. Do not wear sunglasses when recording depth or water color.

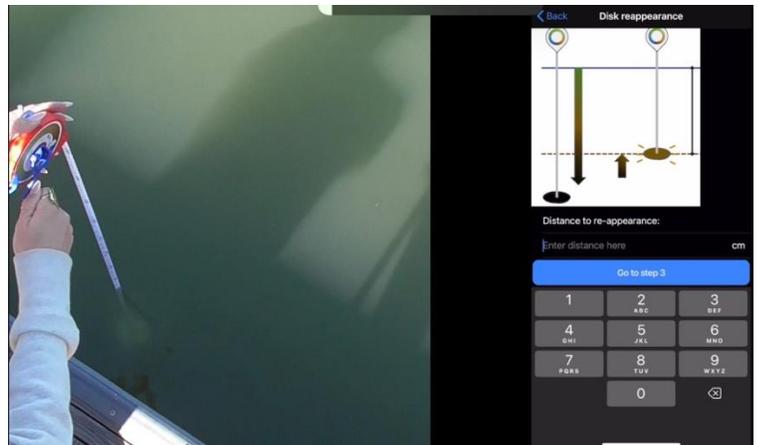
1. Wind the disk down to the water surface (the Secchi disk should be at the water's surface). Keep your arm at the same distance from the water for the remaining depth measurements.



2. Wind the spindle down until the Secchi disk disappears from sight.



Wind it up again until the disk reappears. The disk should be lowered straight down, not at an angle. Record the length of the tape.

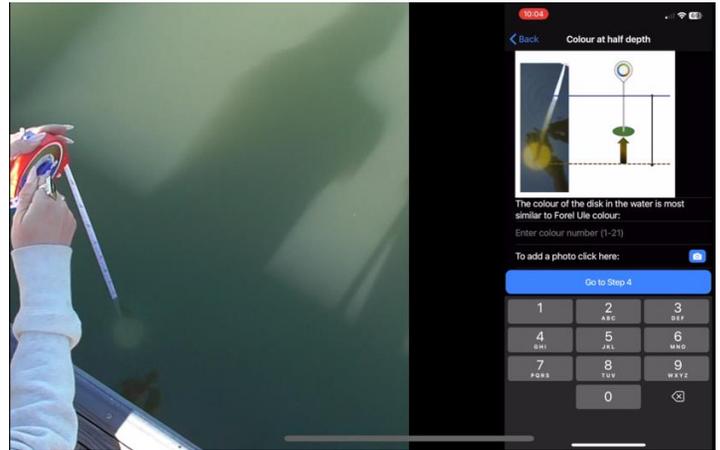


Contact Delaney McBride or Dr. Troy Frensley with any questions:

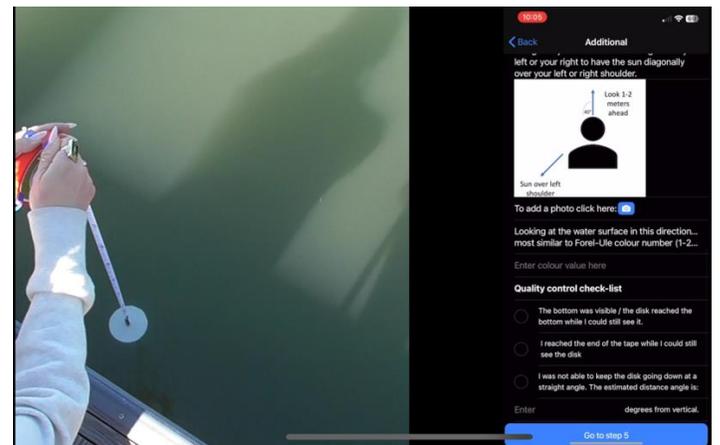
Delaney McBride: dam2534@uncw.edu

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3. Subtract the length in Step 1 from the length in Step 2 to determine Secchi depth (if you are using the app, this is done automatically).
4. Raise the Secchi disk to the half the Secchi disk depth found in **step three**. Record the Forel-Ule color of the disk at this depth.
Note: The Forel-Ule (*FU*) scale is a sea color comparator scale that has been developed to cover all possible natural sea colors.



5. (Optional) Raise the Secchi disk back up to the surface (keep the disk submerged) and record the Forel-Ule color. With the sun straight to your back, rotate 45 degrees to your left or right to have the sun diagonally over your left or right shoulder.



6. Rinse off your Secchi in fresh water and dry the measuring tape before

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winding it back up to ensure long
term use.

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