

Conductivity and Temperature

Equipment List

Things you will need from the sampling box;

- 1 Conductivity/Temperature Probe
- Distilled water
- Plastic beaker

NOTE: We no longer need to perform an accuracy test on the conductivity/temperature probe in the field. We will be doing the accuracy test in the office twice a month.

Considerations

Make sure that you are measuring specific conductance rather than conductance at a given temperature (see 4 below). Conductivity will be affected by significant rainfall. Temperature measurements taken in shallow, slow moving water at the edge of a river will often be warmer than the main body of water. **Do not sample from shore.**

How to Collect a Sample:

- Turn on the meter and rinse the probe in distilled water.
- Rinse the probe with the water sample.
- Put the probe directly in the water body. (**Make sure the probe is fully submerged.** If you cannot fully submerge the probe pour about 125 ml of a sample into a clean plastic beaker and immerse the probe.)



- Set the meter to display the blinking °C and conductivity in µS/cm by pressing the mode button.
- Agitate the probe in the solution, but do not allow probe to contact the walls of the container.
- When the reading is stable, record the solution temperature and conductivity on the data sheet.
- Rinse the probe with distilled water, then dry and place in storage cavity.

