

Script for Measuring Dissolved Oxygen Using the DO Meter

[00:05] To measure the level of Dissolved Oxygen in the stream you will need:

- YSI Model 550a Dissolved Oxygen Meter
- Waders or shoes that can get wet
- Monitoring data sheet
- Pen or pencil

[00:24] First, enter the stream from an access point downstream of your sample site. Insert the probe from your pre-calibrated DO meter into the water (the meter should already be turned on from when it was calibrated earlier). Make sure to measure at a place where the water is mixed thoroughly.

[00:43] Avoid slow flow areas along the banks, in eddies, or immediately downstream of islands. Continuously move the probe around slowly in the water, especially while taking samples in still or slow moving water. Allow the temperature and dissolved oxygen values on the meter to stabilize before recording your data.

[01:04] Record the temperature and dissolved oxygen values on the monitoring data sheet. Press the MODE button on the meter and record the % saturation on the data sheet. Rinse the probe with distilled water after each use and replace it in the probe chamber. Be sure to keep the probe sponge moist with distilled water at all times.