

## SAFETY TIPS

- Never collect data alone; always ensure you collect the samples with a partner.
- Collect samples at a public access point.
- Ensure you are not putting yourself at risk of injury while collecting the samples. Avoid areas with traffic.
- Collect samples only when weather conditions are fair.
- Ensure that everyone involved with the data collection is above 19 years of age.

Project inspired by: [www.surrey.ca/salmonmarshal](http://www.surrey.ca/salmonmarshal)

[Water Footprint: waterfootprint.org/en/](http://waterfootprint.org/en/)  
[World Water Monitoring Challenge: www.monitorwater.org](http://www.monitorwater.org)

For more insightful websites, please visit:

[www.spec.bc.ca](http://www.spec.bc.ca)

ALL COLLECTED DATA WILL BE AVAILABLE FOR VIEWING AT:

# SPEC'S WATER QUALITY KIT

## INSTRUCTIONS



Society  
Promoting  
Environmental  
Conservation

# **BEFORE TESTING**

1. Read all of the instructions and safety information prior to the water quality testing.
2. Identify any potential hazards at your sample site. Ensure you are safe from any harm.
3. Remove all supplies from the bucket.
4. Uncurl the rope and toss it into the water. Once the bucket is about  $\frac{3}{4}$  full, retrieve the bucket by pulling up your rope.
5. You will find your test strips inside the tube found in the kit.

# **START TESTING**

1. Take one test strip and immerse it in the bucket. Swirl two times.
  2. Remove the strip with the pads facing up. **DO NOT SHAKE OFF EXCESS WATER.**
  3. Immediately read and record “TH/Hardness” (for fresh water only), followed by “Alk/Alkalinity.” Refer to the coloured chart on the tube to make your recordings.
  4. Wait 30 seconds.
  5. Read and record pH, Nitrite ( $\text{NO}_2$ ) and Nitrate ( $\text{NO}_3$ ).
6. Fill the dissolved oxygen vial until it is overflowing with your collected water sample.
  7. Add two Dissolved Oxygen TesTabs to the vial of water. Cap the vial, ensuring there are no air bubbles.
  8. Invert the tube and continue mixing until the tablets have dissolved. Then wait 5 minutes.
  9. Compare the colour of your sample to the Dissolved Oxygen colour chart. Record your finding.
  10. Empty the remaining water onto the ground and put your materials back into the bucket.
  11. Ensure everything is filled out on your recording card. Return your completed recording card and all supplies to SPEC.