

STREAM TEAM WATER QUALITY TESTING

Name: _____

Date: _____ Time: _____

- Air Temperature: _____
- Water Temperature: _____
- Electrical Conductivity: _____

- Triple rinse the test tubes in stream before filling with sample.
- Take samples from mid-depth of stream. Do not scrape bottom. Completely submerge tube.
- Take sample upstream from where you have disturbed the water to avoid contamination.
- Contain sampling waste in jar or test tube: pour down inside drain at home and flush with tap water.
- Wash hands well after completing water quality testing.

PARAMETER	READING	RED FLAG?	COMMENTS
Dissolved Oxygen Acceptable range: ≥ 5 ppm	ppm / % saturation		
Nitrate Usual Range: < 1 ppm Acceptable range: < 5 ppm			
Phosphate Acceptable range: ≤ 2 ppm			
pH Acceptable range: 6.5-8.5			
<p>Turbidity (cm) Acceptable range varies, and damage from turbidity is dependent on the amount of time of condition. If reading is under 21 cm, try to revisit site within 3 hours for re-testing.</p> <p>Also note: is sediment plume coming in from land use activity or severe erosion? Take pictures and note if sediment remains on rocks (Is it turbidity or sedimentation?)</p> <p>Report sedimentation entering streams:</p> <p>Stormwater Office: 919-969-7246</p> <p>Orange County Erosion and Sediment Control: 919-245-2586</p>			

- Remember: Please take and label photos from upstream point, riffle sampling area, and the most downstream point for comparison of stream conditions and erosion over time.