



Chemical Monitoring Streamside Cheatsheet

| Chemical Test | How? |
|------------------------------------|--|
| Dissolved Oxygen (kit) | <ol style="list-style-type: none"> 1. Wade in, rinse cup 3 times downstream 2. Sample upstream, fill cup to 25ml line 3. Snap tip of ampoule in sample, mix back and forth 4. Read result after 2 minutes |
| pH | <ol style="list-style-type: none"> 1. Wade in, dip strip upstream 1 sec 2. Read result in 15 secs |
| Chloride | <ol style="list-style-type: none"> 1. Wade in, rinse cup 3 times downstream 2. Sample upstream, fill cup to 1 inch 3. Place strip upright in cup (top MUST be out of water) 4. Read result of the white peak when yellow line turns dark/black (~4-5 mins) |
| Phosphate (kit) | <ol style="list-style-type: none"> 1. Wade in, rinse cup 3 times downstream 2. Sample upstream, fill cup to 25ml line 3. Add 2 drops activator solution & mix 4. Snap tip of ampoule in sample, mix back and forth 5. Read result after 2 minutes |
| Nitrate-Nitrite | <ol style="list-style-type: none"> 1. Wade in, dip strip upstream 1 sec 2. Read the result PADS UP! in 30 secs Only need TOP Nitrate pad color reading |
| Transparency/ Turbidity | <ol style="list-style-type: none"> 1. Wade in and sample upstream to the top 2. Release water until you see the Black/White pattern |
| Air Temp | <ol style="list-style-type: none"> 1. Wait 2 mins (Take air temp before water temp!!) 2. Record result in Notes |
| Water Temp | <ol style="list-style-type: none"> 1. Submerge thermometer tip, wait 2 mins |

*Funding for this program provided by: Montgomery County Department of Environmental Protection, Montgomery County Water Quality Protection Fund

