

Euclid Creek Volunteer Watershed Monitoring Program
Directions Collecting Water Samples

NOTE: WITH THE EXCEPTION OF THE METROPARKS HIGHLAND PICNIC SITE, ALL WATER SAMPLES SHOULD BE COLLECTED FROM THE BRIDGE/SIDEWALK. THE SAMPLE FROM THE HIGHLAND PICNIC AREA MAY BE COLLECTED FROM NEAR THE ACCESS ROAD FROM A TOP THE ROCK WALL BEFORE THE CREEK PASSES UNDER THE BRIDGE.

DO/TEMPERATURE: OBTAIN THE DISSOLVED OXYGEN (DO)/TEMPERATURE DATA FIRST BY FOLLOWING THE DIRECTIONS FOR THE DO TEST ON THE PROCEDURES SHEET. AFTER CONNECTING THE PROBE AND TURNING THE METER ON, CAREFULLY LOWER IT DOWN INTO THE CREEK (OR CAREFULLY RELEASE IT OUT INTO THE DEEPEST PART OF THE CREEK IF AT HIGHLANDS). If PROBE DOES NOT REACH: MEASURE DO OF COLLECTED SAMPLE

SAMPLING DEVICE: TWO SAMPLING DEVICES ARE AVAILABLE. IN THE GREEN CASE, YOU WILL FIND A PLASTIC BEAKER ATTACHED TO STRING. ALTERNATELY, A PLASTIC CUP ON A TELESCOPING ROD MAY BE USED. USE ONE OF THESE DEVICES TO COLLECT ALL OF THE SAMPLES.

CLEAN THE SAMPLING DEVICE PRIOR TO COLLECTING THE SAMPLE:
PLASTIC BEAKER ON STRING: FROM THE BRIDGE/SIDEWALK/NEAR THE WALL, LOWER (OR THROW) THE PLASTIC BEAKER INTO THE CREEK SO THAT IT FILLS WITH WATER. REEL-IN THE BEAKER. IMMEDIATELY EMPTY THE BEAKER BACK INTO THE CREEK. THIS WILL CLEAN OUT THE BEAKER. YOU NEED TO REPEAT THIS PROCEDURE **THREE** TIMES TO MAKE SURE THE BEAKER IS THOROUGHLY RINSED WITH CREEK WATER AND IS CLEAN.

PLASTIC CUP ON TELESCOPING ROD: RINSE THE CUP THREE TIMES IN CREEK WATER.

PERFORM THE TURBIDITY STICK MEASUREMENT.

PLASTIC BEAKER ON STRING: LOWER THE RINSED BEAKER INTO THE CREEK AND OBTAIN A FULL CONTAINER OF CREEK WATER. AFTER REELING IT IN, POUR THE WATER INTO THE SEDIMENT STICK. CONTINUE THIS PROCESS UNTIL THE STICK IS FULL OF WATER.

PLASTIC CUP ON TELESCOPING ROD: LOWER THE RINSED CUP INTO THE CREEK AND OBTAIN A FULL CONTAINER OF CREEK WATER. POUR THE WATER INTO THE SEDIMENT STICK. CONTINUE THIS PROCESS UNTIL THE STICK IS FULL OF WATER.

FOLLOW THE PROCEDURES FOR DETERMINING THE TURBIDITY USING THE STICK. POUR ALL OF THE WATER BACK INTO THE CREEK WHEN FINISHED.

COLLECTION OF THE SAMPLE USED FOR THE PH/CONDUCTIVITY/SPECTROMETRIC ANALYSES.

OBTAIN A FRESH WATER SAMPLE IN THE SAMPLING DEVICE. USE THIS SAMPLE DIRECTLY FOR THE pH, CONDUCTIVITY, TURBIDITY (WITH COLORIMETER), REACTIVE PHOSPHATE, AND AMMONIA TESTS.

IF ANY WATER REMAINS AFTER ALL OF THESE TESTS HAVE BEEN COMPLETED, POUR IT BACK INTO THE CREEK.