

# AAS Monitoring Materials Checklist

## All Monitoring Programs

- Pens/pencils
- Appropriate monitoring datasheet
- Clear container or Whirl-pak® bag for visual observations
- Clip board (if available)
- Trash bag to pick up litter
- Your “Who to Call” list (found on the AAS website)
- First Aid Kit
- Waders, boots, and old tennis shoes

## Watershed Assessment

- Extra copies of the Watershed Survey data forms
- Printed copy of delineated watershed (if desired)

## Visual Monitoring

- Orange (fruit), ping pong ball, or other buoyant object
- Tape
- Tape measure
- Measuring stick
- Twine
- Line level
- Pebble sizer
- Calculator

## Chemical Monitoring

- Chemical testing kit for appropriate parameters
- Sampling instructions
- Waste jugs
- Rubber gloves and safety glasses
- Conductivity Meters & Calibration Solution (Stream and Lake monitoring)
- Refractometers & Calibration Solution/Distilled Water (Coastal monitoring)
- Secchi Disks (Lake and Coastal monitoring)
- Bucket with rope (if sampling from a bridge or in deeper water)

## Macroinvertebrate Monitoring

- Aquatic Macroinvertebrate Field Guide for Georgia's Streams (on the AAS website)
- D-Frame and/ or Kick Seine Nets
- Spoons, forceps
- Petri dishes, sorting pans, ice trays, bucket(s)
- Hand lenses (optional)
- Pitcher or jug for rinsing out macros from nets into sorting pans
- Rubber gloves (optional)

## Bacterial Monitoring

- Whirl-pak® bags and permanent marker for labeling
- Distilled water to demonstrate a blank
- Gloves
- Cooler with ice
- 3M Petrifilm™ plates for plating
- Pipettors and sterile pipette tips
- Plastic cups to hold samples
- Incubator with digital thermometer
- Disinfectant for before and after plating
- Calculator

## Amphibian Monitoring

### Initial set-up

- Twelve 3ft long, 2in diameter PVC pipes (schedule 40) with one end cut at a diagonal to facilitate driving the pipe into the ground
- Rubber mallet
- Twelve 1ft<sup>2</sup>, 1in thick wooden boards with handle (untreated wood only)
- Sod staples

### Regular monitoring

- Ziplock bags
- 4ft dowel with sponge attached to the end (do not use an antibacterial sponge)