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 1ft², 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)