

AAS Monitoring Materials Checklist

All monitoring programs:

- Pens/pencils
- Clear container or Whirl-pak® bag for the visual observations
- Clip board (if available)
- Trash bag to pick up litter
- Your 'Who to Call List'
- First Aid Kit
- Waders, boots, or old tennis shoes

Visual/Watershed Monitoring:

- Copies of a topographic map (colored copies work best)
- Aerial photographs (nice to have if you can get them)
- Copies of a land use map with the same location and scale as the topo map
- Extra copies of the Watershed Survey and Visual Survey forms
- Orange (yes, the citrus fruit)
- Tape
- Tape measure
- Measuring stick
- Twine
- Line level
- Pebble sizer
- Calculator

Chemical Monitoring:

- Chemical testing kit for appropriate parameters & instructions
- Waste jugs
- Rubber gloves & 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 (found on the AAS website)
- Macroinvertebrate Data Form (found on the AAS website)
- D-Frame and/ or Kick Seine Nets
- Spoons, forceps, hand lenses, petri dishes, sorting pans, ice trays, bucket(s), small pieces of screening
- 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 practicing plating
- Pipettors and sterile pipette tips
- Plastic cups or other sample holders
- Incubator with digital thermometer
- Disinfectant for before and after plating
- Calculator