

NJ Watershed Watch Network | **MACROINVERTEBRATE TIER 3.3** **FIELD AUDIT FORM**

Instructions: Observe the volunteer monitor in the field as they run through a full macroinvertebrate and habitat assessment and check off as they perform the following tasks:

- All necessary sampling gear present
- Identify 100 meter stretch
- Identify macroinvertebrate habitat types present
- Begin macroinvertebrate sampling at downstream end
- Used appropriate method for habitat type
 - Disturb 1 foot square area upstream of D-net in riffle area or other sediment
 - Scrape submerged woody debris
 - Jab and sweep vegetation and vegetated banks
 - Rub leaf packs and vegetation
- Take 20 samples from the stream reach, proportional to most productive habitat present at site
- Empty contents of net into sieve bucket after each sample
- At conclusion of sampling, rinse and check net for clinging organisms and add to sample bucket
- Remove larger pieces of debris from sample, checking for clinging macros and adding them to the sample bucket
- Mix sample well to composite if more material is collected than the volume of the preservation jar
- Sieve stream water from sample bucket and rinse sample into preservation jars with 95% ethanol
- At conclusion of preservation, check sieve for clinging organisms and add to preservation jar
- Attach identifying label to sample jars
- Complete biological data sheet
- Collect physical measurements (ex. temperature, width, depth) as needed
- Complete habitat assessment data sheet in full using appropriate sheet
- Decontaminate equipment
- Complete chain-of-custody form