

Maryland Biological Stream Survey FISH CREW LEADER



FIELD AUDIT CHECK LIST

Date of Audit _____

Applicant Name _____

Audit Site _____

MBSS Auditor(s) _____

NOTES: A check mark under Yes means that the requirements of the element are fully met. A check mark under No means that the element was not performed correctly. A "P" under Yes means that the requirements of the element are partially met; this must be explained under Comments.

Element Evaluated	Yes	No	Comments
Equipment Checklist			
At least one electrofisher per 3 meters of stream width			
Block nets and dip nets free of holes			
All nets 1/4" mesh or smaller			
Block nets long enough for stream width			
Buckets			
Scale accurate to 10 grams			
Chest waders with rubber soles			
Decontamination solutions			
Formalin			
Voucher jars and labels			
Data sheets			
Updated calibration log			
Scientific collection permit(s)			

Element Evaluated	Yes	No	Comments
Site			
Was the depth and flow safe to sample?			
Was water clarity sufficient to sample fish?			
Does crew have permission to access property?			
Was the segment properly measured to 75 meters?			
Were any culverts dealt with properly?			
Electrofishing Protocols			
Block nets installed properly?			
Electrofishing units tested downstream from site?			
Electrofishing units zeroed or time recorded?			
Did electrofishers proceed upstream in straight line?			
Did all crew members efficiently sample all habitats?			
Were electrofishers operated properly and safely?			
Were precautions taken to minimize fish mortality (e.g. water changes in buckets)?			
Was downstream blocknet checked for fish after each pass?			
Was water clarity comparable to first pass before second pass was started?			
If not, did the crew wait at least one hour?			
Was equal effort used on first and second passes?			
Fish Processing Protocols			
Were fish identified by a crew member certified in fish taxonomy?			
Were unidentified fish properly vouchered?			
Was it clear that the data recorder properly heard and recorded all data?			
Were precautions taken to minimize fish mortality (e.g. live car, proper handling)?			
Were eels held until after second pass?			

Element Evaluated	Yes	No	Comments
Did photovouchers capture key identifying characters?			
Was a calibrated scale used to weigh fish?			
Was the bucket tared or the weight of bucket adjusted for?			
Was the fish bucket empty of rocks, debris, excessive water, etc? (i.e., were only fish weighed?)			
Were all fish counted and weighed before release?			
Was all equipment decontaminated properly?			