Benthic Macroinvertebrate Laboratory Bench Sheet

Station ID: _____ **Sample subsorted by:** _____ **Date Subsorted:** __/__/__

Stream Name:_____ **# of Grids subsorted:** _____

Date Sampled: __/__/__ **Total # of subsorted insects:**_____

Sampling Method:_____ **Sample Identified by:** _____ **Date Identified:** __/__/__

Taxa Collected:

			Metretopodidae		Lepidostomatidae
Porifera			Neoephemeridae		Leptoceridae
	Spongillidae		Oligoneuridae		Limnephilidae
Flatworms			Psuedironidae		Molannidae
	Planariidae		Polymitarcyidae		Odontoceridae
Gastropoda	Unknown		Potamanthidae		Philopotamidae
Limpets	Ancylidae		Siphlonuridae		Phryganeidae
Snails			Tricorythidae		Polycentropodidae
	Lymnaeidae	Zygoptera	Immature		Psychomyiidae
	Physidae		Calopterygidae		Rhyacophilidae
	Planorbidae		Coenagrionidae		Sericostomatidae
	Hydrobiidae		Lestidae		Uenoidae
	Pleuroceridae		Protoneuridae	Lepidoptera	Unknown
	Viviparidae	Anisoptera	Immature		Pyralidae
Unionida	Immature		Aeshnidae	Coleoptera	Immature
	Corbiculidae		Cordulegastridae		Chrysomelidae
	Sphaeriidae		Corduliidae		Curculionidae
	Unionidae		Gomphidae		Dryopidae
Oligochaeta	Unknown		Libellulidae		Dytiscidae
Lumbriculida			Macromiidae		Elmidae
	Lumbriculidae		Petaluridae		Gyrinidae
Tubificida			Cordullidae/Libelluidae		Haliplidae
	Enchytraeidae	Plecoptera	Immature		Helodidae
	Naididae		Capniidae		Helophoridae
	Tubificidae		Chloroperlidae		Hydraenidae
Haplotaxida			Leuctridae		Hydrochidae
	Haplotaxidae		Nemouridae		Hydrophilidae
Leeches			Peltoperlidae		Limnichidae
	Erpobdellidae		Perlidae		Noteridae
	Glossiphoniidae		Perlodidae		Psephenidae
	Hirudinidae		Pteronarcyidae		Ptilodactylidae
	Pisciolidae		Taeniopterygidae		Scirtidae
Branchiobdellida		Hemiptera	Immature	Diptera	Immature
	Branchiobdellidae		Belostomatidae		Athericidae
Decapoda	Cambaridae		Corixidae		Blephariceridae
	Portunidae		Gelastocoridae		Canaceidae
Shrimp			Gerridae		Ceratopogonidae
	Palaemonidae		Hebridae		Chaoboridae
Isopoda			Hydrometridae		Chironomidae (A)
	Asellidae		Mesoveliidae		Chironomidae (B)
Amphipoda			Naucoridae		Culicidae
	Crangonyctidae		Nepidae		Dixidae
	Gammaridae		Notonectidae		Dolichopodidae
	Talitridae		Veliidae		Empididae
Water Mites			Pleidae		Ephydridae
	Hydracarina	Neuroptera			Muscidae
Ephemeroptera	Immature		Sisyridae		Nymphomyiidae
	Acanthometropodidae	Megaloptera			Pelecorhynchidae
	Ameletidae		Corydalidae		Psychodidae
	Baetidae		Sialidae		Ptychopteridae
	Baetiscidae	Trichoptera	Immature		Sciomyzidae
	Behningiidae		Brachycentridae		Simuliidae
	Caenidae		Calamoceratidae		Stratiomyidae
	Ephemerellidae		Glossosomatidae		Syrphidae
	Ephemeridae		Goeridae		Tabanidae
	Heptageniidae		Helicopsychidae		Tanyderidae
	Isonychiidae		Hydropsychidae		Thaumaleidae
	Leptophlebiidae		Hydroptilida		Tipulidae
TOTAL:		TOTAL:		TOTAL:	

Use back of sheet for subsampling information

Sub-sample and Sample Reduction

(per SOP)

Sub-sample and Sample Reduction Sheet

Organisms found in first grid = _____ (Grid #_____)

If <30 organisms found, continue to table below.
If >30 organisms found, discard 1st grid, enter # of grids for sample reduction and continue to table below.

Sample Reduction? Y___ N ____ Number of Grids selected for reduction =_____

Grid I.D. #	# of Organisms	Grid I.D. #	# of Organisms	Grid I.D. #	# of Organisms	Grid I.D. #	# of Organisms

Total organisms = _____ Total grids = _____

For sample reduction: _____ x _____ = _____
(# of grids after reduction) (correction multiplier) (corrected # of grids from orig. sample) {A}

<u>IF</u> after picking, there are >121 organisms, then return picked sample to 15-30 grid tray and remove grids (per SOP) to reduce sample to 121 organisms or less. Record data below.

Total # of organisms retained = _____
Grids removed to reduce sample to 121 organisms or fewer = _____
Percentage of grids retained for sample (to total grids) = _____

_____ x _____ = _____
(# of grids from original sample {A}) (% of grids retained) (final corrected # of grids from original sample)