



Riffle Bioassessment by Volunteers (RBV) Field Datasheet

For DEEP Staff Use:

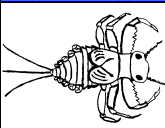
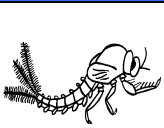
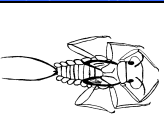
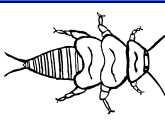
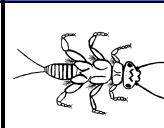
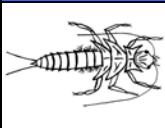
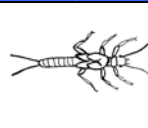
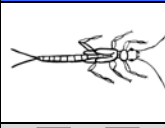
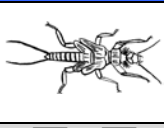
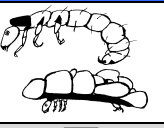
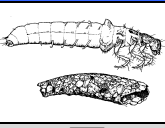
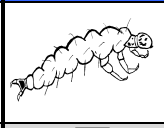
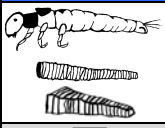
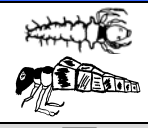


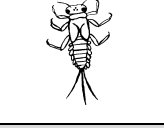
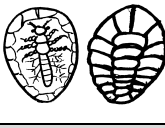
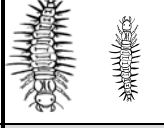
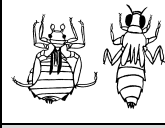
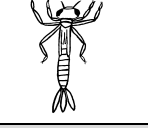



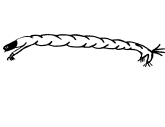


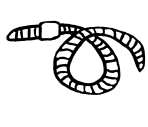
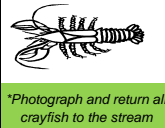
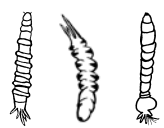

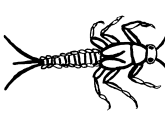
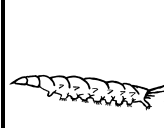
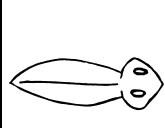
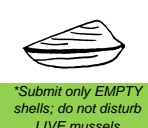
Sample ID: _____

AWQ: _____ Group ID: _____

PLEASE MAKE SURE ALL SECTIONS BELOW ARE COMPLETE BEFORE RETURNING TO YOUR LOCAL RBV COORDINATOR

Stream Name:	Latitude:	Longitude:	Stand In the Stream and Take a Photo: <input type="checkbox"/> Facing Upstream <input type="checkbox"/> Facing Downstream
Description of Sample Location (i.e. '100m downstream of Route 44 crossing'):			Collection Date:
Town:	Collectors' Names (First Initial and Last Name):	Organization Responsible for Volunteers:	

DIRECTIONS: RBV is a treasure hunt for healthy waters in Connecticut. Your goal is to use the RBV method to evaluate the water quality of an assigned stream segment. Check off each type of macroinvertebrate you find in your sample and then place 2-3 of each into the provided voucher container. Make sure to complete the top of this data sheet and include a matching label inside your voucher! (**Drawings are NOT to scale!**)

MOST WANTED (Most Sensitive to Pollution)	1 "Body-Builder" Mayfly Ephemerelellidae (*Drunella spp.)	2 Brush-Legged Mayfly Isonychiidae	3 2-Tail Flathead Mayfly Heptageniidae (*Epeorus spp.)	4 Roach-Like Stonefly Peltoperlidae	5A Common Stonefly Perlidae	5 B Giant Stonefly Pteronarcyidae	5C-1 and 5C-2 Small Stoneflies Perlodidae / Chloroperlidae
							
MOST WANTED (Most Sensitive to Pollution)	5C-3 and 5C-4 Small Stoneflies Capniidae / Leuctridae	5C-5 and 5C-6 Small Stoneflies Taeniopterygidae/ Nemouridae	6A Saddle-Case Caddis Glossosomatidae	6 B Cornucopia Case Caddis Apataniidae	7 Free-Living Caddis Rhyacophilidae	8A Humpless Caddis Brachycentridae	8 B Plant Case Caddis Lepidostomatidae
							
MODERATELY (Moderately Sensitive to Pollution)	9 Common Netspinner Hydropsychidae	10 Fingernet Caddis Philopotamidae	11 3-Tail Flat Head Mayfly Heptageniidae	12 Water Penny Psephenidae	13 Dobsonfly/Fishfly Corydalidae	14A Dragonfly Anisoptera	14B Damselfly Zygoptera
							
LEAST WANTED (Least Sensitive to Pollution)	15 Scud Amphipoda	16 Aquatic Sow Bug Isopoda	17 Leech Hirudinea	18 Non-Biting Midge Chironimidae	19 Black Fly Simuliidae	20 Snail / Limpet Gastropoda	21 Aquatic Worm Oligochaeta
							
OTHERS	22 Crayfish Decapoda	23 Crane Fly Tipulidae	24 Riffle Beetle Elmidae	25 Small Minnow Mayfly Baetidae	26 Aquatic Snipe Fly Athericidae	27 Flatworm Planariidae	28 Mussel/Clam Bivalvia
	 <i>*Photograph and return all crayfish to the stream</i>						 <i>*Submit only EMPTY shells; do not disturb LIVE mussels</i>

Additional Volunteer Comments:

MOST Wanted Taxa: _____ # MODERATELY Wanted Taxa: _____ # LEAST Wanted Taxa: _____ # OTHER Taxa: _____

How Healthy is Your Site? The more 'Most Wanted' types you can find, the healthier the stream is likely to be. If you can find 4 or more 'Most Wanted' types, you have found the treasure: this site is a Healthy Water! **NOTE: Not all streams will have 4 'most wanted' types, that's ok!