

PHWH STREAM BIOLOGICAL CHARACTERISTICS FIELD SHEET:

1. Fish:

Voucher Specimens Retained? (select) N

Time Spent (minutes):

Sample Method No Evaluation

Stream Length Assessed (meters)

Species	Number Caught	Notes
Blank	0	
Blank	0	
Blank	0	
Blank	0	
	0	
	0	
	0	
	0	

2. Salamanders:

Voucher Specimens Retained? (circle) N

Time Spent (minutes):

Sample Method No Evaluation

Stream Length Assessed (meters)

Species (Genus)	# Larvae	# Juveniles/Adults	Total Number
Mountain Dusky (<i>Desmognathus ochrophaeus</i>)	0	0	0
Northern Dusky (<i>Desmognathus fuscus</i>)	0	0	0
Two-lined (<i>Eurycea bislineata</i>)	0	0	0
Long-tailed (<i>Eurycea longicauda</i>)	0	0	0
Cave (<i>Eurycea lucifuga</i>)	0	0	0
Red (<i>Pseudotriton ruber</i>)	0	0	0
Mud (<i>Pseudotriton montanus</i>)	0	0	0
Spring (<i>Gyrinophilus porphyriticus</i>)	0	0	0
Mole spp. (<i>Ambystoma spp.</i>)	0	0	0
Four-toed (<i>Hemidactylium scutatum</i>)	0	0	0
Other (name)	0	0	0
Total	0	0	0

Notes on Vertebrates:

3. Macroinvertebrate Scoring Sheet:

THE HEADWATER MACROINVERTEBRATE FIELD EVALUATION INDEX (HMFEI) SCORING SHEET

Indicate Abundance of Each Taxa Above each White Box.

Record HMFEI Scoring Value Points Within each Box.

For EPT taxa, also indicate the different taxa present.

Key: V = Very Abundant (> 50); A = Abundant (10 -50); C = Common (3 -9); R = Rare (< 3)

Sessile Animals (Porifera, Cnidaria, Bryozoa) (HMFEI pts = 1)	NA 0	Crayfish (Decapoda) (HMFEI pts = 2)	NA 0	Fishfly Larvae (Corydalidae) (HMFEI pts = 3)	NA 0
Aquatic Worms (Turbellaria, Hirudinea, Oligochaeta) (HMFEI pts = 1)	NA 0	Dragonfly Nymphs (Anisoptera) (HMFEI pts = 2)	NA 0	Water Penny Beetles (Psephenidae) (HMFEI pts = 3)	NA 0
Sow Bugs (Isopoda) (HMFEI pts = 1)	NA 0	Riffle Beetles (Dryopidae, Elmidae, Ptilodactylidae) (HMFEI pts = 2)	NA 0	Crane fly Larvae (Tipulidae) (HMFEI pts = 3)	NA 0
Scuds (Amphipoda) (HMFEI pts = 1)	NA 0	Larvae of other Flies (enter name in comments) (Diptera): (HMFEI pts = 1)	NA 0	EPT TAXA* Total No. EPT Taxa = 0	
Water Mites (Hydracarina) (HMFEI pts = 1)	NA 0	Midges (Chironomidae) (HMFEI pts = 1)	NA 0	Mayfly Nymphs (Ephemeroptera) Taxa Present: 0 HMFEI pts = NA 0 No. Taxa (x) 3]	
Damselfly Nymphs (Zygoptera) (HMFEI pts = 1)	NA 0	Snails (Gastropoda) (HMFEI pts = 1)	NA 0		
Alderfly Larvae (Sialidae) (HMFEI pts = 1)	NA 0	Clams (Bivalvia) (HMFEI pts = 1)	NA 0	Stonefly Nymphs (Plecoptera) Taxa Present: 0 HMFEI pts = NA 0 No. Taxa (x) 3]	
Other Beetles (Coleoptera) (HMFEI pts = 1)	NA 0	Other Taxa:			
Other Taxa:		Other Taxa:		Caddisfly Larvae (Trichoptera) Taxa Present: 0 HMFEI pts = NA 0 No. Taxa (x) 3]	
Other Taxa:		Other Taxa:			

*Note: EPT identification based upon Family or Genus level of taxonomy

Voucher Sample ID _____ Time Spent (minutes): _____

Notes on Macroinvertebrates: (Predominant Organisms; Other Common Organisms; Diversity Estimate)

Final HMFEI Calculated Score (Sum of All White Box Scores) =

0

IF Final HMFEI Score is > 19, Then CLASS III PHWH STREAM
IF Final HMFEI Score is 7 to 19, Then CLASS II PHWH STREAM
IF Final HMFEI Score is < 7, Then CLASS I PHWH STREAM