



# Headwater Macroinvertebrate Field Evaluation Index (HMFEI) Scoring Sheet

Indicate abundance of each taxa above each box using the key

Record HMFEI scoring value points within each box

For EPT taxa, indicate the different families present

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

Sessile Animals ( <b>Porifera, Cnidaria, Bryozoa</b> ) HMFEI pts=1 <input type="text"/>	Crayfish ( <b>Decapoda</b> ) HMFEI pts=2 <input type="text"/>	Fishfly Larvae ( <b>Corydalidae</b> ) HMFEI pts=3 <input type="text"/>
Aquatic Worms ( <b>Turbellaria, Oligochaeta, Hirudinea</b> ) HMFEI pts=1 <input type="text"/>	Dragonfly Nymphs ( <b>Anisoptera</b> ) HMFEI pts=2 <input type="text"/>	Water Penny Beetles ( <b>Psephenidae</b> ) HMFEI pts=3 <input type="text"/>
Sow Bugs ( <b>Isopoda</b> ) HMFEI pts=1 <input type="text"/>	Riffle Beetles ( <b>Dryopidae, Elmidae, Ptilodactylidae</b> ) HMFEI pts=2 <input type="text"/>	Crane-fly Larvae ( <b>Tipulidae</b> ) HMFEI pts=3 <input type="text"/>
Scuds ( <b>Amphipoda</b> ) HMFEI pts=1 <input type="text"/>	Larvae of other Flies ( <b>Diptera</b> ) Name: <input type="text"/> HMFEI pts=1 <input type="text"/>	Mayfly Nymphs ( <b>Ephemeroptera</b> ) Families Present: <input type="text"/>  HMFEI pts= [# Families x 3] <input type="text"/>
Water Mites ( <b>Hydracarina</b> ) (HMFEI pts=1) <input type="text"/>	Midges ( <b>Chironomidae</b> ) HMFEI pts=1 <input type="text"/>	
Damselfly Nymphs ( <b>Zygoptera</b> ) (HMFEI pts=1) <input type="text"/>	Snails ( <b>Gastropoda</b> ) HMFEI pts=1 <input type="text"/>	
Alderfly Larvae ( <b>Sialidae</b> ) (HMFEI pts=1) <input type="text"/>	Clams ( <b>Bivalvia</b> ) HMFEI pts=1 <input type="text"/>	Stonefly Nymphs ( <b>Plecoptera</b> ) Families Present: <input type="text"/>  HMFEI pts= [# Families x 3] <input type="text"/>
Other Beetles ( <b>Coleoptera</b> ) (HMFEI pts=1) <input type="text"/>	Other Taxa: <input type="text"/>	Caddisfly Larvae ( <b>Trichoptera</b> ) Families Present: <input type="text"/>  HMFEI pts= [# Families x 3] <input type="text"/>
Other Taxa: <input type="text"/>	Other Taxa: <input type="text"/>	

Voucher Sample ID \_\_\_\_\_ Time Spent Collecting (minutes) \_\_\_\_\_ Total Number of EPT Families = \_\_\_\_\_

Notes on Macroinvertebrates (Predominant Organisms, Other Common Organisms, Diversity Estimates) \_\_\_\_\_

Stream \_\_\_\_\_ River Code \_\_\_\_\_ River Mile \_\_\_\_\_ Station ID \_\_\_\_\_

Date \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Collectors \_\_\_\_\_

**Final HMFEI Calculated Score (Sum of all Individual Taxa Scores in Boxes Above) =**

If Final HMFEI Score is >26, then a Class IIIB PHW Stream is Indicated  
 If Final HMFEI Score is 20-26, then a Class IIIA PHW Stream is Indicated  
 If Final HMFEI Score is 7-19, then a Class II PHW Stream is Indicated  
 If Final HMFEI Score is <7, then a Class I PHW Stream is Indicated