**ADOPT-A-STREAM MISSISSIPPI**

**MACROINVERTEBRATE COUNT FORM**

**Stream name:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Stream team or Steward:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluation area location:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**County:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Collection date:**\_\_\_\_\_\_\_\_\_\_\_\_**Daytime phone:**\_\_\_\_\_\_\_\_\_\_

**1.** **Check off the types of organisms/”bugs” collected in the appropriate blanks. Then calculate the total index value.**

 GOOD FAIR POOR NO INDEX VALUE

 \_\_\_caddisfly larvae \_\_\_beetle larvae \_\_\_aquatic worms \_\_\_water bugs

 \_\_\_hellgrammite larvae \_\_\_clams \_\_\_blackfly larvae \_\_\_adult beetles

 \_\_\_mayfly nymphs \_\_\_cranefly larvae \_\_\_leeches (except riffle beetles)

 \_\_\_right opening snails \_\_\_crayfish \_\_\_midge larvae

 \_\_\_riffle beetle \_\_\_scuds \_\_\_left opening snails

 \_\_\_stonefly nymphs \_\_\_dragonfly nymphs

 \_\_\_waterpenny larvae \_\_\_damselfly nymphs \_\_\_unidentified

 \_\_\_sowbugs

 \_\_\_freshwater shrimp

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_\_­\_\_\_\_\_\_­\_\_\_

 \_\_\_# of “bugs” \_\_\_# of “bugs” \_\_\_# of “bugs”

 checked checked checked

 times 3 = times 2 = times 1 =

 \_\_\_\_GOOD index value + \_\_\_\_FAIR index value + \_\_\_\_POOR index value

 **Now add the three index values = \_\_\_\_\_\_\_\_\_ total index value.**

Compare this **total index value** to the following numbers to determine the water quality of your stream.

 \_\_\_\_\_\_\_Excellent (>22) \_\_\_\_\_\_\_Good (17-22) \_\_\_\_\_\_\_Fair (11-16) \_\_\_\_\_\_\_Poor (<11)

**2. Note all habitats and microhabitats present (P) and/or sampled (S):**

 \_\_\_\_\_Riffle \_\_\_\_\_Run \_\_\_\_\_Glide \_\_\_\_\_Pool

 \_\_\_\_\_Sand/Mud Bottom \_\_\_\_\_Bank Overhangs \_\_\_\_\_Rock/Gravel Bottom

 \_\_\_\_\_Sticks and Logs \_\_\_\_\_Clay Bottom \_\_\_\_\_Aquatic Vegetation

 \_\_\_\_\_Leaf Packs Oth­er\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3. Date of last measurable rainfall:**\_\_\_\_\_\_\_\_\_\_\_\_  **Amount:**\_\_\_\_\_\_\_\_Inches

**4. Comments:**