**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:**