

SWaMP Macroinvertebrate Monitoring Data Sheet

Date: _____ Time: _____

School: _____ Site: _____

Name (s): _____

Instructions:

Once you have collected macroinvertebrates from the stream and they are in your sample bucket, use a small container to remove some water (with MIVs) into a smaller bucket or tray. Use ice cube trays and bug boxes to sort out these MIVs, and use identification keys to ID what's been sorted. As you identify MIVs, use the tally sheet to keep track of how many of each you find. When you are done, remove more water from the bucket and continue to sort and identify MIVs until you are out of time or you have identified 100 MIVs (whichever comes first).

When you are done sorting and identifying, check all the found species off the list below and write the total number found to the right. For example: (x) Mayfly, #15.

Group 1: Pollution Intolerant	Group 2: Pollution Sensitive	Group 3: Pollution Tolerant
<input type="checkbox"/> Caddisfly (case building), #	<input type="checkbox"/> Alderfly, #	<input type="checkbox"/> Aquatic Worm, #
<input type="checkbox"/> Fingernet Caddisfly, #	<input type="checkbox"/> Caddisfly (net spinning), #	<input type="checkbox"/> Backswimmer, #
<input type="checkbox"/> Freelifving Caddisfly, #	<input type="checkbox"/> Clam, #	<input type="checkbox"/> Black Fly, #
<input type="checkbox"/> Gilled Snail, #	<input type="checkbox"/> Crane Fly, #	<input type="checkbox"/> Midge Fly, #
<input type="checkbox"/> Hellgrammite, #	<input type="checkbox"/> Crayfish, #	<input type="checkbox"/> Mosquito, #
<input type="checkbox"/> Mayfly, #	<input type="checkbox"/> Damselfly, #	<input type="checkbox"/> Leech, #
<input type="checkbox"/> Mussel, #	<input type="checkbox"/> Dragonfly, #	<input type="checkbox"/> Lunged Snail, #
<input type="checkbox"/> Riffle Beetle, #	<input type="checkbox"/> Flatworm/Planaria, #	<input type="checkbox"/> Water Boatman, #
<input type="checkbox"/> Stonefly, #	<input type="checkbox"/> Orb Snail, #	
<input type="checkbox"/> Water Penny, #	<input type="checkbox"/> Scud, #	
<input type="checkbox"/> Watersnipe Fly, #	<input type="checkbox"/> Sowbug/Isopod, #	
	<input type="checkbox"/> Water Mite, #	
	<input type="checkbox"/> Water Strider, #	

Group 1 # of boxes checked: _____ x 3 = _____

Group 2 # of boxes checked: _____ x 2 = _____

Group 3 # of boxes checked: _____ x 1 = _____

Total: _____ = **Pollution Tolerance Index**

Circle the **Water Quality Rating:** Excellent (>22) Good (17-22) Fair (11-16) Poor (0-10)