

Phinizy Center for Water Sciences

Macroinvertebrate Data Sheet

Name(s): _____

Teacher: _____ Date: _____

Biodiversity Index

Check the box to the left of any species you found, and then write the number found on the line to the right of the species name. Columns indicate each group's pollution tolerance.

Sensitive Organisms	Somewhat-sensitive	Pollution Tolerant	Non-Indicators
<input type="checkbox"/> caddisfly larvae _____	<input type="checkbox"/> beetle larvae _____	<input type="checkbox"/> aquatic worms _____	<input type="checkbox"/> fresh water shrimp
<input type="checkbox"/> mayfly nymph _____	<input type="checkbox"/> clams _____	<input type="checkbox"/> midge larvae _____	<input type="checkbox"/> diving beetle
<input type="checkbox"/> stonefly nymph _____	<input type="checkbox"/> crane fly larvae _____	<input type="checkbox"/> leeches _____	<input type="checkbox"/> water beetle
<input type="checkbox"/> gilled snail _____	<input type="checkbox"/> crayfish _____	<input type="checkbox"/> air-breathing snail _____	<input type="checkbox"/> water scorpions
<input type="checkbox"/> water penny larvae _____	<input type="checkbox"/> damselfly nymph _____	<input type="checkbox"/> blackfly larvae _____	<input type="checkbox"/> giant water bug
<input type="checkbox"/> hellgrammite _____	<input type="checkbox"/> dragonfly nymph _____		<input type="checkbox"/> mosquito larvae
<input type="checkbox"/> riffle beetle adult _____	<input type="checkbox"/> scud _____		<input type="checkbox"/> whirligig beetle
	<input type="checkbox"/> sowbug _____		<input type="checkbox"/> aquatic mite
	<input type="checkbox"/> alderfly larvae _____		<input type="checkbox"/> creeping water bug
	<input type="checkbox"/> fishfly larvae _____		<input type="checkbox"/> planaria

No. of checks _____ * 3 = _____ No. of checks _____ * 2 = _____ No. of checks _____ * 1 = _____ No. of checks _____ * 0 = _____
 Add together the total from each of the calculations above. This is my total index value _____.

Water Quality Rating Excellent (>20) Good (16-20) Fair (11-15) Poor (<11)