Site Name_____ **Stream Inventory Report** Date_____

Site Number_____ **Biological Data**

Directions: 1) Place an x in the blank provided next to each macroinveterbrate identified in the field. 2) Add the number of x's found in each column and enter that number on the line next to "number of species found." (3) Multiply the sum by the Index Value (4) Add the 3 Index Values to get the TOTAL INDEX VALUE.

*Aquatic invertebrate communities change with water quality. Overall water quality affects which types of organisms can survive in a body of water. These species of aquatic insects are separated by their tolerance levels to different types of water quality.

Sensitive Species	Somewhat Sensitive Species	Tolerant Species
Caddisfly Larvae: _____	**Beetle Larvae:** _____	**Aquatic Worms:** _____
Hellgrammites: _____	**Clams:** _____	**Blackfly Larvae:** _____
Mayfly Nymphs: _____	**Crane Fly Larvae:** _____	**Leeches:** _____
Gilled Snails: _____	**Crayfish:** _____	**Midge Larvae:** _____
Riffle Beetle Adult: _____	**Damselfly Nymphs:** _____	**Pouch Snails:** _____
Stonefly Nymphs: _____	**Dragonfly Nymphs:** _____	
Water Penny Larvae: _____	**Scuds:** _____	
	Sowbugs: _____	
	Fishfly Larvae: _____	
	Alderfly Larvae: _____	
	Watersnipe Fly Larvae: _____	
Number of Sensitive Species Found: _____	Number of Somewhat Sensitive Species Found: _____	Number of Tolerant Species Found: _____
*** times (x) 3= Index Value**	*** times (x) 2 = Index Value**	*** times (x) 1= Index Value**
Index Value = _____	**Index Value =** _____	**Index Value =** _____

TOTAL INDEX VALUE = _____

Excellent (> 22)_____ **Good (17-22)**_____ **Fair (11-16)**_____ **Poor (<11)**_____

For species not on the lists above write in here: _____

Please return this form to your Stream Smart representative along with your water samples.

Stream Smart