

Macroinvertebrate Sorting

Name: _____ Group #: _____
 Date: _____ Site ID: _____

MACROINVERTEBRATES	TALLY OF TYPES OF INDIVIDUALS
Ephemeroptera (mayflies)	
Odonata (dragonflies and damselflies)	
Plecoptera (stoneflies)	
Trichoptera (caddisflies)	
Diptera (flies)	
Megaloptera (fishflies and dobsonflies)	
Coleoptera (beetles)	
Amphipoda (shrimp and scuds)	
Isopoda (sow bugs)	
Decapoda (crayfish)	
Gastropoda (snails)	
Pelecypoda (mussels and clams)	
Oligochaeta (All segmented worms except leeches)	
Hirudinea (leeches)	
Other	

Observations about the stream site:

Weather today: _____
 Weather yesterday: _____
 Air temperature: _____
 Water appearance (e.g., clear, brown, foamy, milky): _____
 What type of land uses are in the immediate area? _____
 What type of land uses are in the surrounding area? _____
 Is the area shaded by trees? _____
 List any factors that may lead to a disappearance of a species of macroinvertebrates: _____

Water Quality Index

Name: _____

Group #: _____

Date: _____

Follow the Water Quality Index Instruction Sheet to complete this chart:

	(Column A)	(Column B)	(Column C)
MACROINVERTEBRATE	# of Types	Tolerance Value	TOTAL
Ephemeroptera (mayflies)		X 90	=
Odonata (dragonflies and damselflies)		X 60	=
Plecoptera (stoneflies)		X 100	=
Trichoptera (caddisflies)		X 80	=
Diptera (flies)		X 70	=
Megaloptera (fishflies and dobsonflies)		X 90	=
Coleoptera (beetles)		X 70	=
Amphipoda (shrimp and scuds)		X 40	=
Isopoda (sow bugs)		X 30	=
Decapoda (crayfish)		X 50	=
Gastropoda (snails)		X 40	=
Pelecypoda (mussels and clams)		X 20	=
Oligochaeta (All segmented worms except leeches)		X 20	=
Hirudinea (leeches)		X 10	=
SUM OF COLUMNS	(A)	---	(C)

Water Quality Index Number (sum of column A / sum of column C) = _____

Compare your water quality index number to the scale in the box to the right.

Water Quality Index

>79 = Excellent
 60-79 = Good
 40-59 = Fair
 <40 = Poor

Health of the site = _____

Observations about the area that may affect the water quality: _____
