

MACRO-INVERTEBRATE SURVEY

Date:
School:
Data Recorder(s):
Location (nearest landmark)

Time:
Supervisor:
Stream

Directions: For each box, use the letter codes (A = 1-9, B = 10-99, C = 100 or more) to represent the number of each species found in your sample. Then use the information below to identify both the water quality index and macroinvertebrate diversity.

Intolerant

Somewhat Tolerant

Tolerant

<input style="width: 100%; height: 100%;" type="text"/>	Caddisfly larva (Trichoptera)	<input style="width: 100%; height: 100%;" type="text"/>	Beetle larva (Coleoptera)	<input style="width: 100%; height: 100%;" type="text"/>	Black fly larva (Diptera)
<input style="width: 100%; height: 100%;" type="text"/>	Hellgramite, dobsonfly larva (Megaloptera)	<input style="width: 100%; height: 100%;" type="text"/>	Fishfly, alderfly larva (Megaloptera)	<input style="width: 100%; height: 100%;" type="text"/>	Midge larva (Diptera)
<input style="width: 100%; height: 100%;" type="text"/>	Mayfly larva (Ephemeroptera)	<input style="width: 100%; height: 100%;" type="text"/>	Cranefly larva (Diptera)	<input style="width: 100%; height: 100%;" type="text"/>	Left-handed snail (Gastropoda)
<input style="width: 100%; height: 100%;" type="text"/>	Stonefly larva (Plecoptera)	<input style="width: 100%; height: 100%;" type="text"/>	Damselfly, dragonfly larva (Odonata)	<input style="width: 100%; height: 100%;" type="text"/>	Aquatic worm (Annelida)
<input style="width: 100%; height: 100%;" type="text"/>	Water penny beetle larva (Coleoptera)	<input style="width: 100%; height: 100%;" type="text"/>	Scud (Crustacea)	<input style="width: 100%; height: 100%;" type="text"/>	Leeches (Annelida)
<input style="width: 100%; height: 100%;" type="text"/>	Right-handed snail (round) (Gastropoda)	<input style="width: 100%; height: 100%;" type="text"/>	Aquatic sowbug (Crustacea)	<input style="width: 100%; height: 100%;" type="text"/>	Mosquito larva (Diptera)
<input style="width: 100%; height: 100%;" type="text"/>	Right-handed snail (oval) (Gastropoda)	<input style="width: 100%; height: 100%;" type="text"/>	Crayfish (Crustacea)	<input style="width: 100%; height: 100%;" type="text"/>	
<input style="width: 100%; height: 100%;" type="text"/>	Rifle beetle, adult (Coleoptera)	<input style="width: 100%; height: 100%;" type="text"/>	Clams (Pelecepada)	<input style="width: 100%; height: 100%;" type="text"/>	

<input style="width: 100%; height: 100%;" type="text"/>	Total # of letters	<input style="width: 100%; height: 100%;" type="text"/>	Total # of letters	<input style="width: 100%; height: 100%;" type="text"/>	Total # of letters
<input style="width: 100%; height: 100%;" type="text"/>	Total x 3=Water Quality Index Value	<input style="width: 100%; height: 100%;" type="text"/>	Total x 2=Water Quality Index Value	<input style="width: 100%; height: 100%;" type="text"/>	Total x 1=Water Quality Index Value

_____ **Total Water Quality Index Value** (sum of the three index values above)

Water Quality Rating

Diversity

<input style="width: 100%; height: 100%;" type="text"/>	Excellent (> 22)	<input style="width: 100%; height: 100%;" type="text"/>	Good (17 to 22)	<input style="width: 100%; height: 100%;" type="text"/>	Good: More A's, some B's, few C's
<input style="width: 100%; height: 100%;" type="text"/>	Fair (11 to 16)	<input style="width: 100%; height: 100%;" type="text"/>	Poor (< 11)	<input style="width: 100%; height: 100%;" type="text"/>	Fair: Few A's, few B's, few C's
<input style="width: 100%; height: 100%;" type="text"/>		<input style="width: 100%; height: 100%;" type="text"/>		<input style="width: 100%; height: 100%;" type="text"/>	Poor: Very few A's and B's, few C's