

**Worksheet 5.1-1.2:**

# WATER QUALITY ANALYSIS

Directions: Fill out the list for each new sample. The higher the total score, the cleaner the water....

Sample location:		Sample number:	
Sampling method:			
Description of the location:			

Detective macroinvertebrates:	Exact count: Number of organisms in the sample	Group count: 1 = one individual 2 = 2 to 10 individuals 3 = 11 to 50 individuals 4 = 51 to 100 individuals 5 = over 100 individuals	Biotic index = $\sum (\text{group}) \times (\text{group count})$
Group 5 - CLEAN			
Damselfly nymph			5 x ___ = _____
Stonefly nymph			
Mayfly nymph			
Group 4			
Diving beetle			4 x ___ = _____
Caddis fly larva			
Water boatman			
Group 3			
Amphipod Crustacean			3 x ___ = _____
Group 2			
Isopod Crustacean			2 x ___ = _____
Mollusc (pond snail)			
Group 1 – POLLUTED			
Leech			1 x ___ = _____
Bloodworms			
		<b>TOTAL SCORE</b>	$\Sigma$

Other observations:

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References: Experiment adopted from **Environmental Education Activities for Primary Schools**, Unesco – UNEP.