Kentucky Watershed Watch Biological Assessment Form

Sampler Name(s)	Participants	Volunteer Minutes	Miles Driven
	# Adults _____ # Youth _____		

Site ID	Stream Name	If New Site, Lat /Long:	3__ . __ __ __ __ __ ° N -8 __ . __ __ __ __ __ ° W
		Location Description:	

Date / Time	Stream Flow	Habitat Zone(s) Sampled
__ __ / __ __ /20__ __ __ __ : __ __ AM / PM	☐ Flood ☐ Low ☐ Bankfull ☐ Ponded / Dry ☐ Normal	☐ Riffle (Required) ☐ Pool ☐ Leaf pack ☐ Undercut banks ☐ Woody debris ☐ Submerged plants

Check all of the macroinvertebrates that you find in your stream and calculate the stream's water quality rating (only count each kind of macroinvertebrate once, regardless of the quality found)

Highly Sensitive

◯ Mussels (Native)

◯ Stoneflies

◯ Caddisflies (case-building)

◯ Mayflies

◯ Water pennies

◯ Water snipe

Sensitive

◯ Caddisflies (net-spinning)

◯ Riffle beetles (adults and larvae)

◯ Operculate Snails (Right-opening)

◯ Black fly larva

◯ Crane fly larva

Moderately Tolerant

◯ Hellgrammites /Dobsonfly larvae

◯ Clams and Mussels (Non-Native)

◯ Crayfish

◯ Dragonflies

◯ Flatworms

◯ Midges

Tolerant

◯ Alderflies

◯ Scuds

◯ Non-operculate Snails (Left-opening)

◯ Sow Bugs

◯ Leeches

◯ Damselflies

◯ Aquatic Worms

◯ Other Aquatic Beetles (adults and larvae)

Images are not shown to scale. Images from the following sources: Zebra mussel Image: fieldguide.mt.gov; Operculate Snail Image: mdc.mo.gov; Aquatic Worm Image: nwnature.net, All other images from www.macroinvertebrates.org

# of checks =	# of checks =	# of checks =	# of checks =	A: Sum checks =
X 4 =	X 3 =	X 2 =	X 1 =	B: Sum weighted =

NOTE: Common macroinvertebrates such as water boatmen, backswimmers, water scorpions, giant water bugs, water striders, and fishing spiders are not included on the form as their presences is not linked to tolerance or sensitivity to pollution.

Biological Water Quality Rating: To calculate the Score, divide the Sum weighted (B) by Sum Checks (A). Compare against the scale at right

_____ SCORE

Rating:
Best: 3.26 to 4.0
Good: 2.51 to 3.25
Fair: 1.76 to 2.50
Poor: 1 to 1.75