Watershed Education
Biosurvey Data Sheet

Group:	Grade:
Contact Person:	Phone #:
Basin: Watershed: Stream:	
Location:	
Date: Time: # of Participants:	
Weather:	

Macroinvertebrate Count for Biosurvey

Relative Abundance (RA) Weighting Factor   R = (1 - 9) C = (10 - 99) D = (100 or more)

Group 1 Taxa (PTV <= 4)	RA	Group 2 Taxa (PTV > 4 and <= 6)	RA	Group 3 Taxa (PTV > 6)	RA
Dobsonfly Larva (0.0)		Beetle Larva (4.7)		Snails (7.0)	
Fishfly Larva (0.0)		Dragonfly Nymph (5.2)		True Midges (7.0)	
Netwinged Midges (0.0)		True Flies (5.6)		Damselfly Nymph (7.7)	
Stonefly Nymph (1.1)		Blackfly Larva (6.0)		Aquatic Sowbugs (8.0)	
Watersnipe Flies (2.0)		Crayfish (6.0)		Aquatic Worms (8.0)	
Caddisfly Larva (2.8)		Scuds (6.0)		Leech (10.0)	
Crane fly Larva (3.0)				Moth Flies (10)	
Mayfly Nymph (3.5)				Rat-tailed Maggot (10.0)	
Alderfly Larva (4.0)					
Water Penny Larva (4.0)					
Other: (*)		Other: (*)		Other: (*)	

* See Pollution Tolerance Values in WE manual appendix for "other" macroinvertebrates.

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Calculating Stream Quality Rating

Abundance	Weighting Factor		
	Group 1 (Sensitive)	Group 2 (Somewhat Sensitive)	Group 3 (Tolerant)
R (rare)	**5.0**	**3.2**	**1.2**
C (common)	**5.6**	**3.4**	**1.1**
D (dominant)	**5.3**	**3.0**	**1.0**

Group 1 (Sensitive)		Group 2 (Somewhat Sensitive)		Group 3 (Tolerant)	
(# of R's) x 5.0 =		(# of R's) x 3.2 =		(# of R's) x 1.2 =	
(# of C's) x 5.6 =		(# of C's) x 3.4 =		(# of C's) x 1.1=	
(# of D's) x 5.3 =		(# of D's) x 3.0 =		(# of D's) x 1.0 =	
Total:		Total:		Total:	

Sum of rating value for Group 1		Sum of rating value for Group 2		Sum of rating value for Group 3		Rating value for Site
	+		+		=	

Stream Quality Rating

Site	Score	Rating
	> 40	Good
	20 - 40	Fair
	< 20	Poor

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