

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info	WAV Station Number*: _____	Date*: ____/____/____	Time*: _____
	WAV Station Name*: _____		
	Team Member Name(s)*: _____		

Weather	Weather: Sunny Partly Sunny Cloudy Rain Snow Thunderstorms (choose one)	Sampling Date: Primary Safety Other (choose one)
	Weather over past two days: _____	
	Current Stream Condition: Normal Flooding Dry Stagnant Frozen Other _____ (choose one)	
	Observations: _____	

WAV Monitoring Parameters	Parameters Tested	Your Results				Units	
	Air Temperature					°C	
	Water Temperature					°C	
	Dissolved Oxygen (D.O.) Sampling Method	Choose One: Hach Kit LaMotte Kit YSI 550A Meter Other: _____					
	D.O. mg/L	No. of Titration Drops:	No. of Plastic Measuring Tubes:	Dissolved Oxygen Content:		mg/L	
	D.O. % Saturation					%	
	pH					-	
	Transparency	Tube Length (select one)		Trial #1	Trial #2	Average	-
		60 cm 100 cm 120 cm					cm
	Specific Conductance	ECTestr reading: (choose units displayed) ms/cm μS/cm					
	Chloride Sample	Collected? Y N Point/Outfall Number: _____					
	Total Phosphorus Sample	Collected? Y N Point/Outfall Number: _____					

WAV Monitoring Parameters	Was streamflow monitored this sampling event? Yes No						Length Assessed ft	
	If No, why not? _____						Stream Width*: ft	
	Stream Depth Measurements						*if stream ≤ 20 ft. wide, measure depth every foot across the width. If stream is > 20 ft. wide, measure depth at 20 equal intervals across the entire width	
	Point	Depth (10 ^{ths} Feet)	Point	Depth (10 ^{ths} Feet)	Depth Conversion Chart			
					Ft/in	10 ^{ths} Ft	Ft/in	10 ^{ths} Ft
	1	0	11		¾-7/8	0.05	6¾-67/8	0.55
	2		12		1-1½	0.1	7-7¾	0.6
	3		13		1¾-2	0.15	7½-8	0.65
	4		14		2½-2¾	0.2	8¾-8¾	0.7
	5		15		2¾-3¼	0.25	8¾-9¼	0.75
	6		16		3¾-3¾	0.3	9¾-9¾	0.8
	7		17		4-4¾	0.35	10-10¾	0.85
8		18		4½-5	0.4	10½-11	0.9	
9		19		5¾-5¾	0.45	11¾-11¾	0.95	
10		20		5¾-6¼	0.5	11¾-12	1.0	
						Velocity Float Trials		
						Trial Number	Time (Seconds)	
						1		
						2		
						3		
						4		
						Velocity Correction Factor		
						Choose the bottom type:		
						Rough	0.8	
						Smooth	0.9	

Monitoring Equipment Calibration	D.O. Meter: Yes No
	pH Meter: Yes No
	ECTestr: Yes No

Equipment Cleaning and Disinfection	Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes No
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Expected Ranges for Parameters	
Water Temperature:	12-30 °C
Dissolved Oxygen:	5-10 mg/L
D.O % Saturation:	80-120%
pH:	6.0-9.0
Transparency Tube:	≤120 cm

Thermistor

Serial #: _____ Type: HOBO (long grey) TIDBIT (yellow) TIDBIT V2 (orange)

Activity Performed (choose one): Deployment Retrieval Monthly Check

Deployment/Retrieval Time: _____ Monthly Check - thermistor submersed Yes No

Describe location of thermistor if you deployed it today, or action(s) taken if thermistor was not submersed:

Biotic Index (monitored in May and late September/early October)

****You may use the Key to Macroinvertebrate Life in the River to help you identify macroinvertebrates.**
Group 1: These are sensitive to pollutants. Select each animal found.



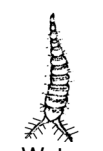
Stonefly Larva



Dobsonfly Larva



Alderfly Larva



Water Snipe Fly Larva

No. of group 1 animals circled:

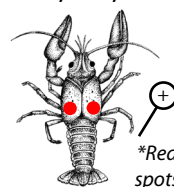
Relative Size Key

+ = larger than picture
 - = smaller than picture

Key Aquatic Invasive Species (AIS)

Circle AIS shown below if you think you found any:

Rusty Crayfish



*Red spots

Asian Clam



New Zealand Mudsail

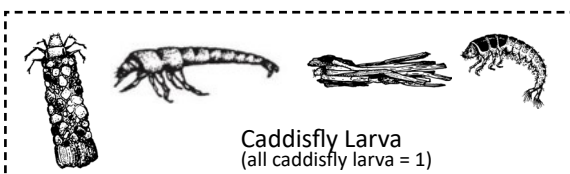


Faucet Snail

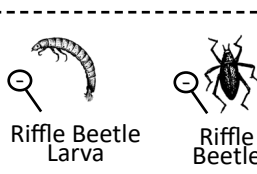


If found, collect a sample and detailed photos, and report to DNR or WAV.

Group 2: These are semi-sensitive to pollutants. Select each animal found.



Caddisfly Larva (all caddisfly larva = 1)



Riffle Beetle Larva

Riffle Beetle

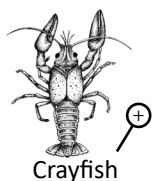
*All Riffle beetles = 1



Crane Fly Larva



Water Penny



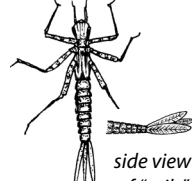
Crayfish



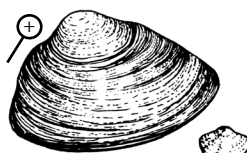
Dragonfly Larva



Mayfly Larva



Damselfly Larva



Freshwater Mussel or Fingernail Clam

No. of group 2 animals circled:

Group 3: These are semi-tolerant of pollutants. Select each animal found.



Black Fly Larva



Non-Red Midge Larva



Snails: Orb or Gilled (right side opening)



*All Snails = 1



Amphipod or Scud

No. of group 3 animals circled:

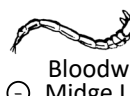
Group 4: These are tolerant of pollutants. Select each animal found.



Pouch Snail



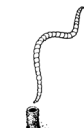
Aquatic Sowbug or Isopod



Bloodworm Midge Larva (red)



Leech



Tubifex Worm

No. of group 4 animals circled:

Date data entered into SWIMS? ____/____/____ Data Entry Volunteer Initials: _____

Download and print data sheets from www.wateractionvolunteers.org.
 For more information, call (608) 331-0173, or email wav@extension.wisc.edu.

