

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info	WAV Station Number*: <u>643032</u>	Date*: <u>9/28/2023</u>	Time*: <u>3:15</u> AM of <u>(PM)</u>
	WAV Station Name*: _____		
	Team Member Name(s)*: <u>C. Scholl</u>		

*Denotes required field

Weather	Weather: (circle one) Sunny <input type="checkbox"/> Partly Sunny <input type="checkbox"/> <u>Cloudy</u> <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Thunderstorm <input type="checkbox"/> Snow <input type="checkbox"/>	Sampling Date: (circle one) <u>Primary</u> Safety <input type="checkbox"/> Other <input type="checkbox"/>
	Weather over past two days: <u>65-69° Cloudy</u>	
	Current Stream Condition : (circle one) <u>Normal</u> Flooding <input type="checkbox"/> Dry <input type="checkbox"/> Stagnant <input type="checkbox"/> Frozen <input type="checkbox"/> Other <input type="checkbox"/>	
	Observations: _____	

WAV Monitoring Parameters	Parameters Tested	Your Results				Units	
	Air Temperature	<u>16.8</u>				°C	
	Water Temperature	<u>16.0</u>				°C	
	Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	<u>YSI 550A Meter</u>	Other: _____	-
	D.O. mg/L	No. of Titration Drops: _____	No. of Plastic Measuring Tubes: _____		Dissolved Oxygen Content: <u>9.0</u>	(mg/L)	
	D.O. % Saturation	<u>91</u>				%	
	pH					-	
						-	
	Transparency	Tube Length (circle one)		Trial #1	Trial #2	Average	-
		60 cr	100 cm	<u>120 cm</u>	<u>120</u>	<u>120</u>	cm
Specific Conductance	ECTestr reading: _____ ms/cm or μ S/cm (circle units displayed)						
Chloride Sample	Collected? Y ___ N ___ Point/Outfall Number: _____						
Total Phosphorus Sample	Collected? Y ___ N ___ Point/Outfall Number: _____						

Streamflow Monitoring	Streamflow was monitored this sampling event (select one): Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Length Assessed: <u>20</u> ft			
	If No, why not? _____						Stream Width*: <u>44</u> ft			
	Stream Depth Measurements									
	Point	Depth		Point	Depth		Depth Conversion Chart			
		10 ^{ths} Feet			10 ^{ths} Feet		Ft/In	10 ^{ths} Ft	Ft/In	10 ^{ths} Ft
	1	0		11	<u>1.1</u>		3/8-7/8	0.05	6 ^{3/8} -6 ^{7/8}	0.55
	2	<u>.4</u>		12	<u>1.1</u>		1-1 ^{1/2}	0.1	7-7 ^{3/8}	0.6
	3	<u>.8</u>		13	<u>1.2</u>		1 ^{5/8} -2	0.15	7 ^{1/2} -8	0.65
	4	<u>1.0</u>		14	<u>1.0</u>		2 ^{1/8} -2 ^{5/8}	0.2	8 ^{1/8} -8 ^{5/8}	0.7
	5	<u>1.15</u>		15	<u>.9</u>		2 ^{3/4} -3 ^{1/4}	0.25	8 ^{3/4} -9 ^{1/4}	0.75
6	<u>1.15</u>		16	<u>.8</u>		3 ^{3/8} -3 ^{7/8}	0.3	9 ^{3/8} -9 ^{7/8}	0.8	
7	<u>1.25</u>		17	<u>.5</u>		4-4 ^{3/8}	0.35	10-10 ^{3/8}	0.85	
8	<u>1.3</u>		18	<u>.4</u>		4 ^{1/2} -5	0.4	10 ^{1/2} -11	0.9	
9	<u>1.3</u>		19	<u>.1</u>		5 ^{1/8} -5 ^{5/8}	0.45	11 ^{1/8} -11 ^{5/8}	0.95	
10	<u>1.2</u>		20	<u>0</u>		5 ^{3/4} -6 ^{1/4}	0.5	11 ^{3/4} -12	1.0	
								Velocity Float Trials		
								Trial Number	Time (Seconds)	
								1	<u>23.40</u>	
								2	<u>23.60</u>	
								3	<u>23.94</u>	
								4	<u>23.47</u>	
								Velocity Correction Factor		
								Circle the bottom type		
								Rough	<u>(0.8)</u>	
								Smooth	0.9	

Monitoring Equipment Calibration	DO Meter: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	pH Meter: Yes <input type="checkbox"/> No <input type="checkbox"/>
	ECTestr Yes <input type="checkbox"/> No <input type="checkbox"/>

Equipment Cleaning and Disinfection	Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes <input type="checkbox"/> No <input type="checkbox"/>
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Expected Ranges for Parameters ©	
H2O Temperature:	12-30 °C
Dissolved Oxygen:	3-7 mg/L
D.O % Saturation:	90-110 %
pH:	6.0-9.0
Transparency Tube:	≤120 cm

Thermistor

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

Activity Performed (circle one): Deployment Retrieval Monthly Check

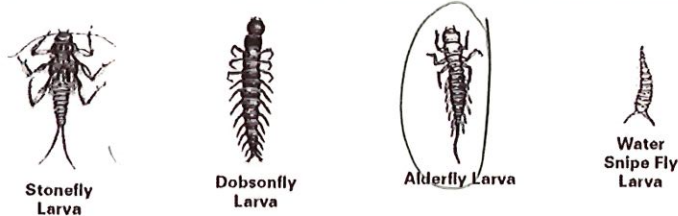
Deployment/Retrieval Time: _____ AM or PM Monthly Check - thermistor submersed? Yes _____ No _____

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

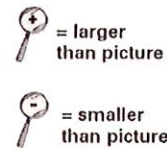
Group 1: These are sensitive to pollutants. Circle each animal found.



No. of group 1 animals circled:

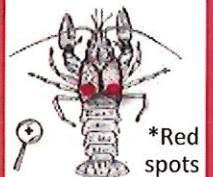
1

Relative Size Key:



Key Aquatic Invasive Species (AIS)
Circle AIS shown below if you think you found any:

Rusty Crayfish



Asian Clam



New Zealand Mudsail

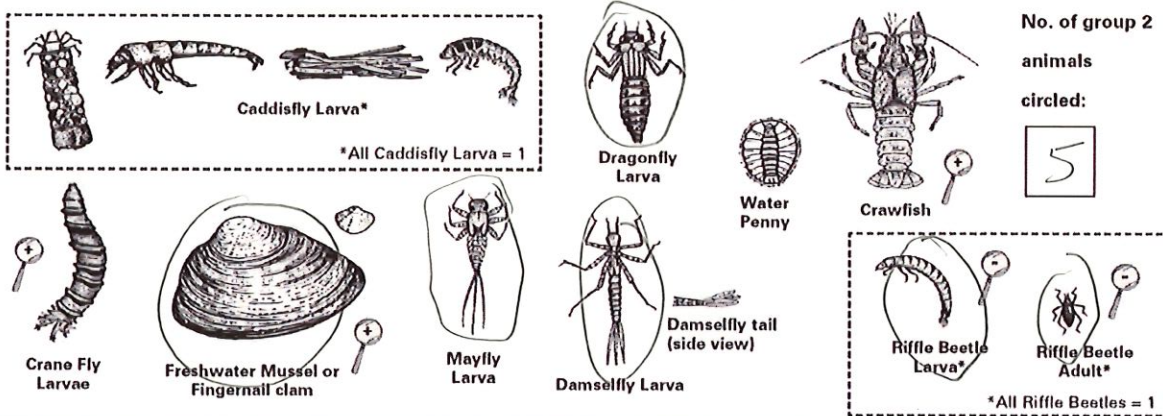


Faucet Snail



If found, collect voucher or photo and report to DNR or WAV Coordinator.

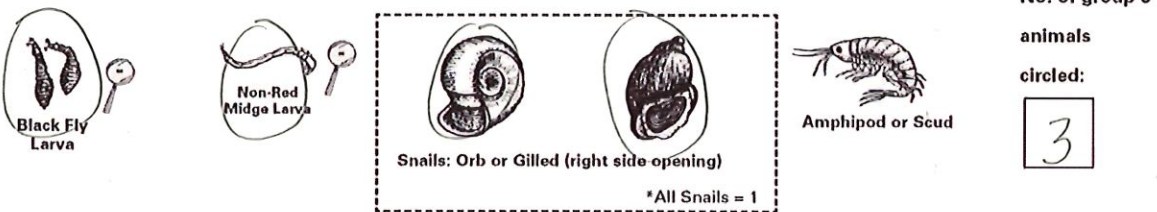
Group 2: These are semi-sensitive to pollutants. Circle each animal found.



No. of group 2 animals circled:

5

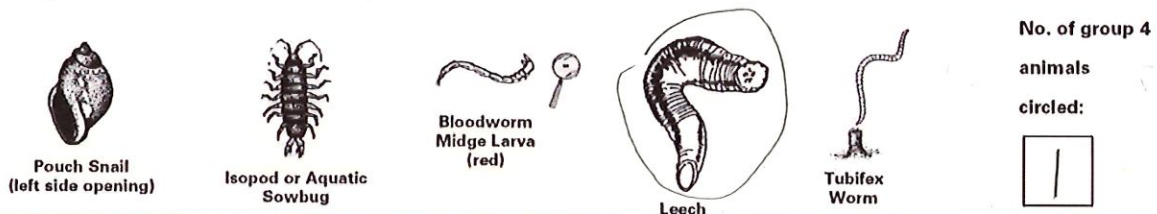
Group 3: These are semi-tolerant of pollutants. Circle each animal found.



No. of group 3 animals circled:

3

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



No. of group 4 animals circled:

1

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