

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info	WAV Station Number*: <u>10039200</u> Date*: <u>07/25/2023</u> Time*: <u>10:15</u> (AM) or PM
	WAV Station Name*: <u>Rice Creek at Bear Lake Road</u>
	Team Member Name(s)*: <u>Michele Jasik, Lyn Kirschner</u>

*Denotes required field

Weather	Weather: (circle one) Sunny <u>Partly Sunny</u> Cloudy Rain Thunderstorm Snow	Sampling Date: (circle one) <u>Primary</u> Safety Other
	Weather over past two days: <u>warm; mix clouds + sun; no rain</u>	
	Current Stream Condition (circle one) <u>Normal</u> Flooding Dry Stagnant Frozen Other	
	Observations: <u>lots of H2O plants; water bugs; fish - spotted Knapweed + yarrow along road</u> <u>lots of fish; frogs toads</u>	

WAV Monitoring Parameters	Parameters Tested <u>Small + medium</u> Your Results Units
	Air Temperature <u>26.5</u> °C
	Water Temperature <u>25.0</u> °C
	Dissolved Oxygen (D.O.) Sampling Method Circle One: <u>Hach Kit</u> LaMotte Kit YSI 550A Meter Other: _____
	D.O. mg/L No. of Titration Drops: <u>23</u> No. of Plastic Measuring Tubes: <u>2</u> Dissolved Oxygen Content: <u>11.5</u> mg/L
	D.O. % Saturation _____ %
	pH _____ -
	Transparency Tube Length (circle one) Trial #1 Trial #2 Average -
	Specific Conductance ECTestr reading: _____ ms/cm or µS/cm (circle units displayed)
	Chloride Sample Collected? Y ___ N <u>X</u> Point/Outfall Number: _____
Total Phosphorus Sample Collected? Y ___ N <u>X</u> Point/Outfall Number: _____	

Streamflow Monitoring	Streamflow was monitored this sampling event (select one): Yes <u>X</u> No _____	Length Assessed: <u>20</u> ft							
	If No, why not? _____	Stream Width*: <u>23.8</u> 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			
	1	<u>0</u>	11	<u>0.7</u>		Ft/In	10 ^{ths} Ft	Ft/In	10 ^{ths} Ft
	2	<u>0.1</u>	12	<u>0.6</u>		<u>3/8-7/8</u>	0.05	<u>6^{3/8}-6^{7/8}</u>	0.55
	3	<u>1.0</u>	13	<u>0.6</u>		<u>1-1^{1/2}</u>	0.1	<u>7-7^{3/8}</u>	0.6
	4	<u>1.2</u>	14	<u>0.4</u>		<u>1^{5/8}-2</u>	0.15	<u>7^{1/2}-8</u>	0.65
	5	<u>1.1</u>	15	<u>0.6</u>		<u>2^{1/8}-2^{5/8}</u>	0.2	<u>8^{1/8}-8^{5/8}</u>	0.7
	6	<u>1.2</u>	16	<u>0.7</u>		<u>2^{3/4}-3^{1/4}</u>	0.25	<u>8^{3/4}-9^{1/4}</u>	0.75
7	<u>1.2</u>	17	<u>0.4</u>	<u>3^{3/8}-3^{7/8}</u>		0.3	<u>9^{3/8}-9^{7/8}</u>	0.8	
8	<u>1.0</u>	18	<u>0.7</u>	<u>4-4^{3/8}</u>		0.35	<u>10-10^{3/8}</u>	0.85	
9	<u>0.8</u>	19	<u>0.7</u>	<u>4^{1/2}-5</u>	0.4	<u>10^{1/2}-11</u>	0.9		
10	<u>0.8</u>	20	<u>0.7</u>	<u>5^{1/8}-5^{5/8}</u>	0.45	<u>11^{1/8}-11^{5/8}</u>	0.95		
				<u>5^{3/4}-6^{1/4}</u>	0.5	<u>11^{3/4}-12</u>	1.0		
Velocity Float Trials									
Trial Number				Time (Seconds)					
1				<u>30.13</u>					
2				<u>38.09</u>					
3				<u>24.72</u>					
4				<u>35.28</u>					
Velocity Correction Factor									
Circle the bottom type									
Rough				0.8					
<u>Smooth</u>				0.9					

Monitoring Equipment Calibration	DO Meter: Yes _____ No _____
	pH Meter: Yes _____ No _____
	ECTestr Yes _____ No _____

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

Equipment Cleaning and Disinfection	Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes _____ No _____
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Thermistor

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

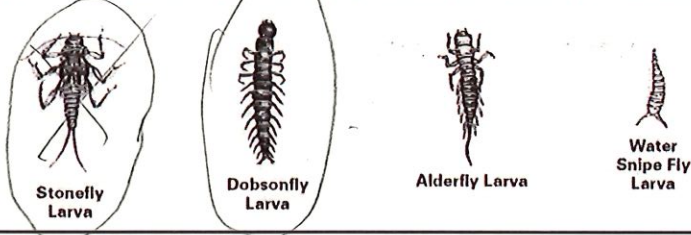
Activity Performed (circle one): Deployment Retrieval Monthly Check

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)

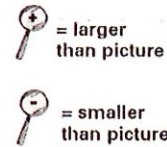
****You may use the Key to Macroinvertebrate Life in the River to help you identify macroinvertebrates**
Group 1: These are sensitive to pollutants. Circle each animal found.



No. of group 1 animals circled:

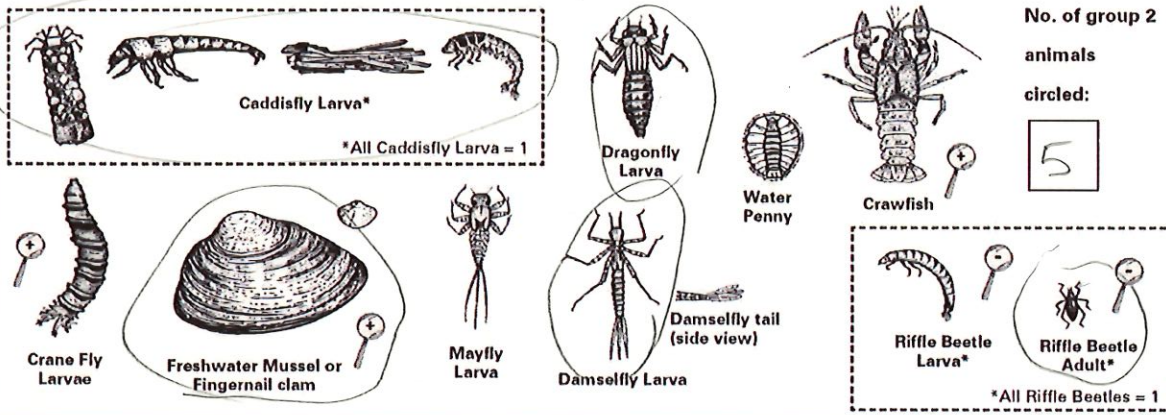
1

Relative Size Key:



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

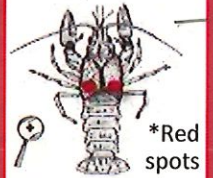
Group 2: These are semi-sensitive to pollutants. Circle each animal found.



No. of group 2 animals circled:

5

Rusty Crayfish



crayfish claw

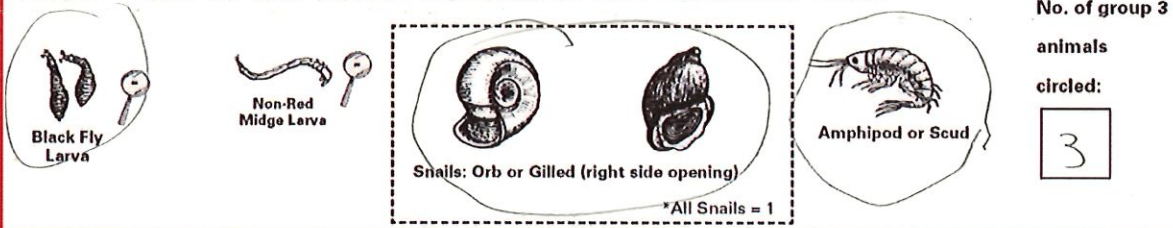
Asian Clam



New Zealand Mudsail



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



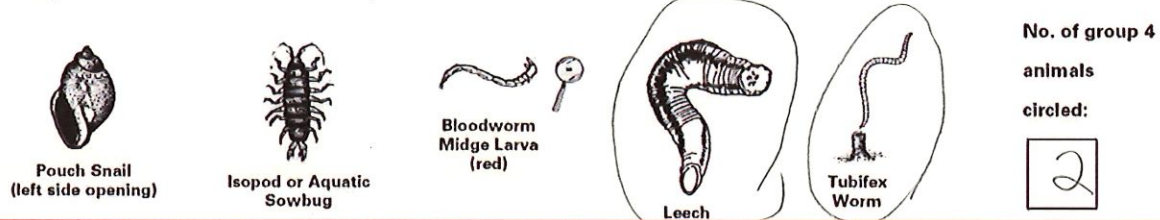
No. of group 3 animals circled:

3

Faucet Snail



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



No. of group 4 animals circled:

2

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

Date data entered into SWIMS? 07/25/2023

Data Entry Volunteer Initials: MJ