

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info	WAV Station Number*: <u>10039200</u> Date*: <u>09/26/2023</u> Time*: <u>10:45</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) <u>Sunny</u> <u>Partly Sunny</u> Cloudy Rain Thunderstorm Snow	Sampling Date: (circle one) <u>Primary</u> Safety Other
	Weather over past two days: <u>rain yesterday & night before</u>	
	Current Stream Condition : (circle one) <u>Normal</u> Flooding Dry Stagnant Frozen Other	

Observations: lots of plants; fish small & medium

WAV Monitoring Parameters	Parameters Tested	Your Results				Units	
	Air Temperature	<u>22.2</u>				°C	
	Water Temperature	<u>20</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>12.5</u>	mg/L		
	D.O. % Saturation	<u>100</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>	<u>120</u>
	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																						
	Point	Depth 10 ^{ths} Feet	Point	Depth 10 ^{ths} Feet	Depth Conversion Chart				*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 Velocity Float Trials <table border="1"> <thead> <tr> <th>Trial Number</th> <th>Time (Seconds)</th> </tr> </thead> <tbody> <tr><td>1</td><td><u>17.62</u></td></tr> <tr><td>2</td><td><u>20.56</u></td></tr> <tr><td>3</td><td><u>18.60</u></td></tr> <tr><td>4</td><td><u>23.36</u></td></tr> </tbody> </table> Velocity Correction Factor Circle the bottom type <table border="1"> <tr> <td>Rough</td> <td>0.8</td> </tr> <tr> <td><u>Smooth</u></td> <td>0.9</td> </tr> </table>	Trial Number	Time (Seconds)	1	<u>17.62</u>	2	<u>20.56</u>	3	<u>18.60</u>	4	<u>23.36</u>	Rough	0.8	<u>Smooth</u>	0.9
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1	0	11	0.7	3/8-7/8	0.05	6 ^{3/8} -6 ^{7/8}	0.55																
2	0.6	12	0.7	1-1 ^{1/2}	0.1	7-7 ^{3/8}	0.6																
3	0.9	13	0.7	1 ^{5/8} -2	0.15	7 ^{1/2} -8	0.65																
4	0.9	14	1.0	2 ^{1/8} -2 ^{5/8}	0.2	8 ^{1/8} -8 ^{5/8}	0.7																
5	0.8	15	1.0	2 ^{3/4} -3 ^{1/4}	0.25	8 ^{3/4} -9 ^{1/4}	0.75																
6	0.8	16	0.9	3 ^{3/8} -3 ^{7/8}	0.3	9 ^{3/8} -9 ^{7/8}	0.8																
7	0.8	17	0.7	4-4 ^{3/8}	0.35	10-10 ^{3/8}	0.85																
8	0.9	18	0.9	4 ^{1/2} -5	0.4	10 ^{1/2} -11	0.9																
9	0.9	19	1.0	5 ^{1/8} -5 ^{5/8}	0.45	11 ^{1/8} -11 ^{5/8}	0.95																
10	0.8	20	1.1	5 ^{3/4} -6 ^{1/4}	0.5	11 ^{3/4} -12	1.0																

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

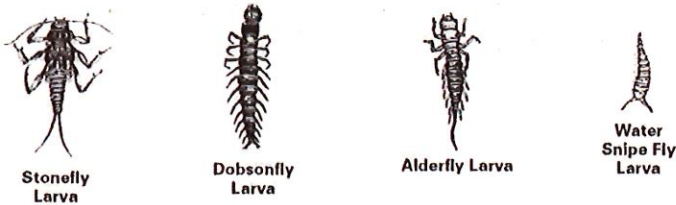
Deployment/Retrieval Time: _____ AM or PM Monthly Check - thermistor submersed? Yes _____ No _____

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)

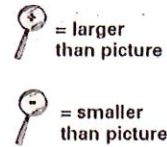
**You may use the *Key to Macroinvertebrate Life in the River* to help you identify macroinvertebrates

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



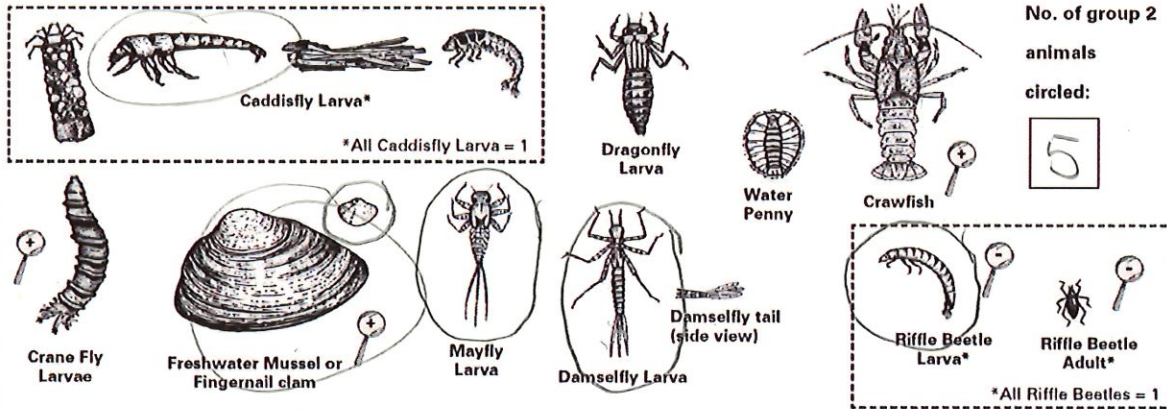
No. of group 1 animals circled: 0

Relative Size Key:



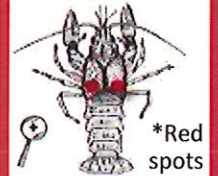
Key Aquatic Invasive Species (AIS)
Circle AIS shown below if you think you found any:

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



No. of group 2 animals circled: 5

Rusty Crayfish



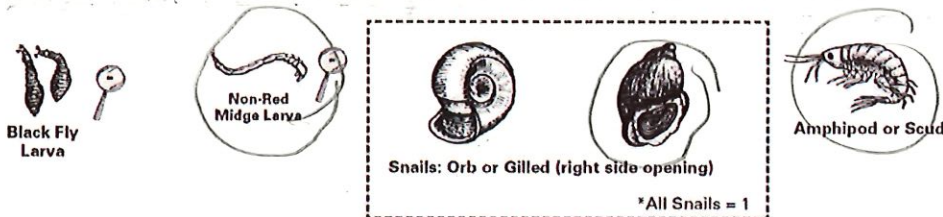
Asian Clam



New Zealand Mudsail



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

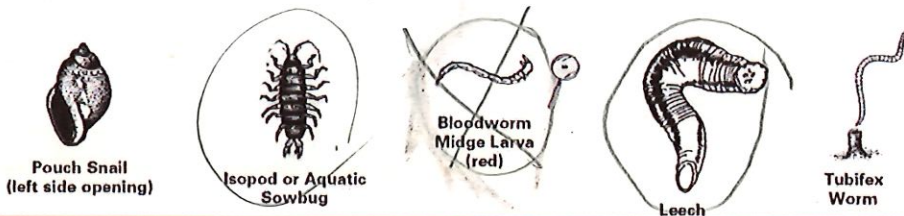


No. of group 3 animals circled: 3

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? 10 / 23 / 2023

Data Entry Volunteer Initials: MSJ