

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info
 WAV Station Number*: 10039200 Date*: 5/30/2023 Time*: 9:30 (AM) or PM
 WAV Station Name*: Rice Creek at Bear Lake Road
 Team Member Name(s)*: Michele Jasik, Lyn Kirschner

*Denotes required field

Weather
 Weather: (circle one) Sunny Partly Sunny Cloudy Rain Thunderstorm Snow
 Sampling Date: (circle one) Primary Safety Other
 Weather over past two days: Sunny, no rain, warm
 Current Stream Condition: (circle one) Normal Flooding Dry Stagnant Frozen Other
 Observations: plant growth started

Parameters Tested	Your Results				Units
	Air Temperature				
Water Temperature					17.9-21°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 Titrations: <u>19</u>	No. of Plastic Measuring Tubes: <u>2</u>	Dissolved Oxygen Content: <u>9.5</u>		mg/L
D.O. % Saturation					100
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>
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 was monitored this sampling event (select one): Yes <u>X</u> No ___						Length Assessed: <u>208</u> ft	
If No, why not? _____						Stream Width*: <u>23.8</u> ft	
Stream Depth Measurements							
Point	Depth		Point	Depth Conversion Chart			
	10 ^{ths} Feet			10 ^{ths} Feet			
1	<u>2.0</u>		11	<u>2.4</u>	3/8-7/8	0.05	6 ^{3/8} -6 ^{7/8}
2	<u>2.5</u>		12	<u>2.4</u>	1-1 ^{1/2}	0.1	7-7 ^{3/8}
3	<u>2.6</u>		13	<u>2.6</u>	1 ^{5/8} -2	0.15	7 ^{1/2} -8
4	<u>2.5</u>		14	<u>2.55</u>	2 ^{1/8} -2 ^{5/8}	0.2	8 ^{1/8} -8 ^{5/8}
5	<u>2.85</u>		15	<u>2.8</u>	2 ^{3/4} -3 ^{1/4}	0.25	8 ^{3/4} -9 ^{1/4}
6	<u>2.9</u>		16	<u>2.9</u>	3 ^{3/8} -3 ^{7/8}	0.3	9 ^{3/8} -9 ^{7/8}
7	<u>2.7</u>		17	<u>3.3</u>	4-4 ^{3/8}	0.35	10-10 ^{3/8}
8	<u>2.7</u>		18	<u>3.6</u>	4 ^{1/2} -5	0.4	10 ^{1/2} -11
9	<u>2.5</u>		19	<u>3.7</u>	5 ^{1/8} -5 ^{5/8}	0.45	11 ^{1/8} -11 ^{5/8}
10	<u>2.5</u>		20	<u>3.9</u>	5 ^{3/4} -6 ^{1/4}	0.5	11 ^{3/4} -12
*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							
Trial Number		Time (Seconds)					
1		17:81					
2		16:44					
3		16:35					
4		27:12					
Velocity Correction Factor							
Circle the bottom type							
Rough		0.8					
<u>Smooth</u>		0.9					

Monitoring Equipment Calibration
 DO Meter: Yes ___ No X
 pH Meter: Yes ___ No ___
 ECTestr Yes ___ No ___

Equipment Cleaning and Disinfection
 Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? 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

Thermistor

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

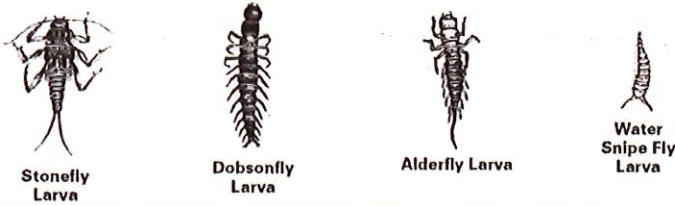
Activity Performed (circle one): Deployment Retrieval Monthly Check

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:

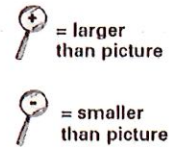
Biotic Index (monitored in May and late September/early October)

****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.



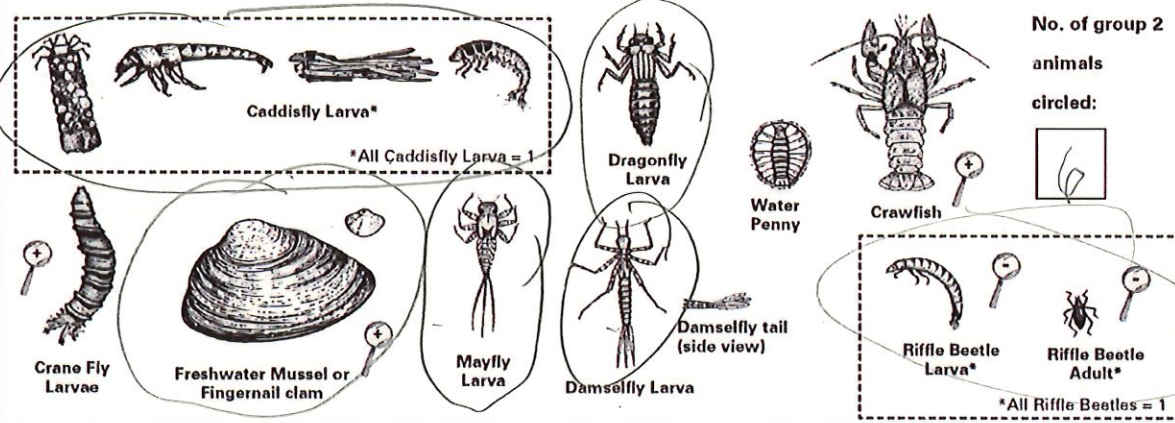
No. of group 1 animals circled: 0

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: 6

Rusty Crayfish



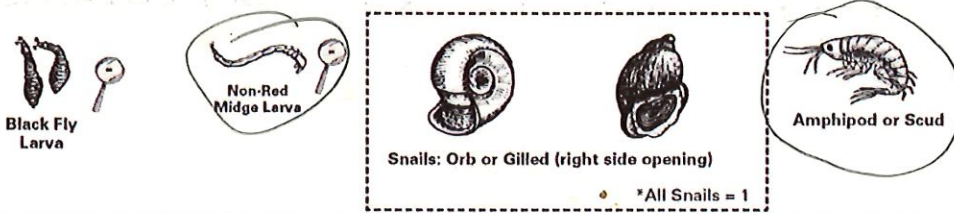
Asian Clam



New Zealand Mudsnail



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

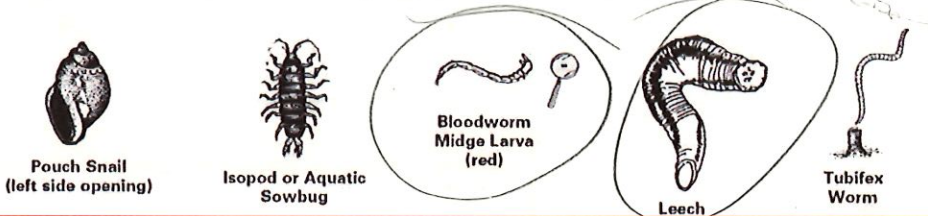


No. of group 3 animals circled: 2

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