

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Number*: 1039200 Date*: 6/27/2023 Time*: 9:40 AM or PM
 Station Name*: Rice Creek at Bear Lake Road
 Member Name(s)*: Michele Jasik, Lyn Kirschner

Weather: (circle one) Sunny Partly Sunny Cloudy Rain Thunderstorm Snow
 Weather over past two days: Sunny no rain and night was
 Current Stream Condition (circle one) Normal Flooding Dry Stagnant Frozen Other
 Observations: stream banks getting smaller due to plant growth on shore

Weather

WAV Monitoring Parameters

Parameters Tested	Your Results				Units
Air Temperature					25 °C
Water Temperature					22 °C
Dissolved Oxygen (D.O.) Sampling Method	Circle One: <u>Hach Kit</u>	LaMotte Kit	YSI 550/ Meter	Other:	
D.O. mg/L	No. of Titration Drops: <u>17</u>	No. of Plastic Measuring Tubes: <u>2</u>	Dissolved Oxygen Content: <u>8.5</u>		mg/L
D.O. % Saturation					
pH					
Transparency	Tube Length (circle one) <u>120 cm</u>				%
Specific Conductance	60 cm	100 cm	Trial #1	Trial #2	Average
Chloride Sample	ECTestr reading: <u>120</u> <u>120</u> <u>120</u>				cm
Total Phosphorus Sample	Collected? Y <u>N</u> X Point/Outfall Number: _____				

Streamflow Monitoring

Streamflow was monitored this sampling event (select one): Yes X No
 If No, why not? _____

Stream Depth Measurements							
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	1.0	3/8-7/8	0.05	6 ^{3/8} -6 ^{7/8}	0.55
2	1.4	12	0.9	1-1 ^{1/2}	0.1	7-7 ^{3/8}	0.6
3	1.3	13	0.9	1 ^{5/8} -2	0.15	7 ^{1/2} -8	0.65
4	1.3	14	0.8	2 ^{1/8} -2 ^{5/8}	0.2	8 ^{1/8} -8 ^{5/8}	0.7
5	1.3	15	0.8	2 ^{3/4} -3 ^{1/4}	0.25	8 ^{3/4} -9 ^{1/4}	0.75
6	1.1	16	0.9	3 ^{3/8} -3 ^{7/8}	0.3	9 ^{3/8} -9 ^{7/8}	0.8
7	1.0	17	1.0	4-4 ^{3/8}	0.35	10-10 ^{3/8}	0.85
8	1.0	18	0.9	4 ^{1/2} -5	0.4	10 ^{1/2} -11	0.9
9	1.0	19	1.1	5 ^{1/8} -5 ^{5/8}	0.45	11 ^{1/8} -11 ^{5/8}	0.95
10	1.0	20	1.0	5 ^{3/4} -6 ^{1/4}	0.5	11 ^{3/4} -12	1.0

Length Assessed: 20 ft
 Stream Width*: 23.8 ft

*If stream ≤ 20 ft. wide, measure depth every foot across the width. If stream > 20 ft. wide, measure depth at 20 equal intervals across the entire width

Velocity Float Trials	
Trial Number	Time (Seconds)
1	32.08
2	39.10
3	29.20
4	33.14

Velocity Correction Factor
 Circle the bottom type
 Rough _____
Smooth _____
 0.8
 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

Type: HOBO (long grey) TIDBIT (yellow) TIDBIT V2 (orange)

Serial #: _____

Deployment

Retrieval

Monthly Check

Activity Performed (circle one):

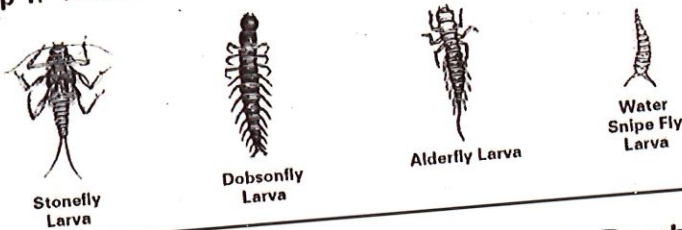
Deployment/Retrieval Time: _____ AM or PM

Monthly Check - thermistor submersed? Yes ___ No ___

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

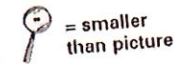
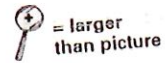
Biotic Index (monitored in May and late September/early October)

**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

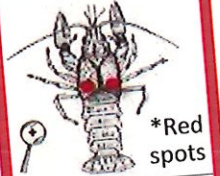
Relative Size Key:



Key Aquatic Invasive Species (AIS)

Circle AIS shown below if you think you found any:

Rusty Crayfish



Asian Clam



New Zealand Mudsnail

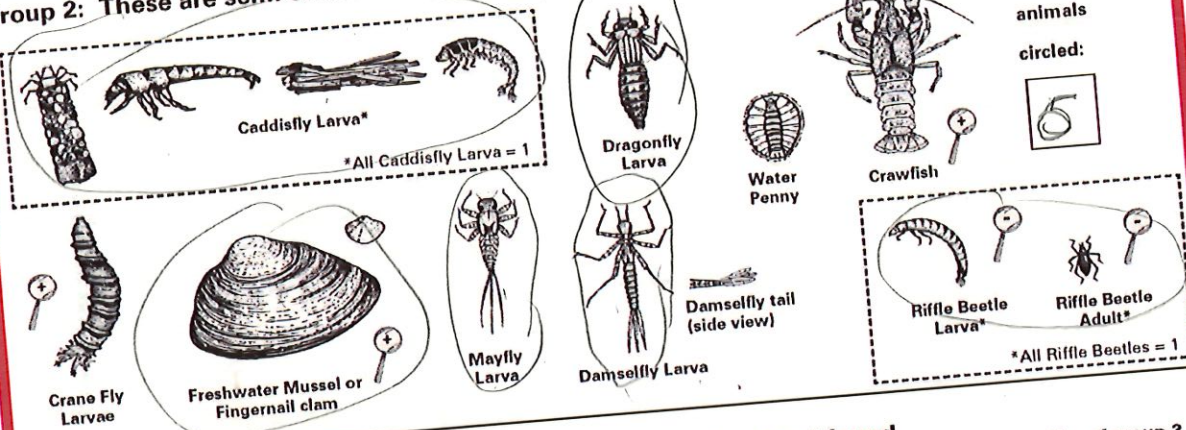


Faucet Snail

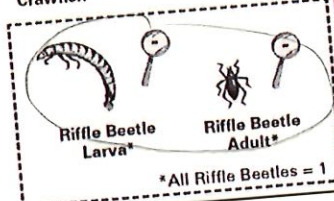


If found, collect voucher or photo and report to DNR or WAV Coordinator.

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

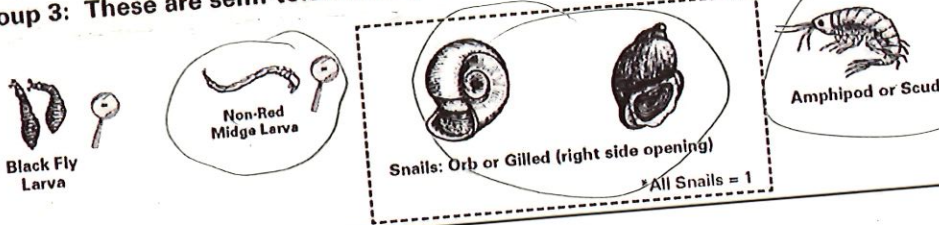


No. of group 2 animals circled: 5

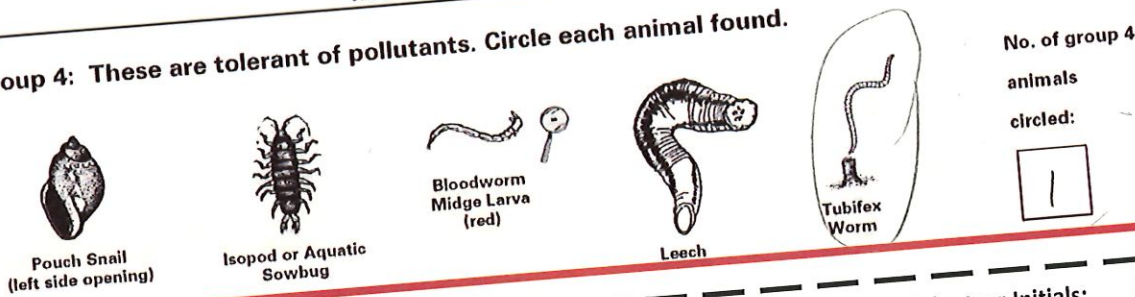


No. of group 3 animals circled: 3

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



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



No. of group 4 animals circled: 1

Date data entered into SWIMS? 10/23/2023

Data Entry Volunteer Initials: MJ