

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info  
 WAV Station Number\*: 10055606 Date\*: 09/19/2023 Time\*: 12 AM or (PM)  
 WAV Station Name\*: Tamarack Cr  
 Team Member Name(s)\*: Christine Culligan

\*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: Overcast - Int. Sun  
 Current Stream Condition : (circle one) (Normal) Flooding Dry Stagnant Frozen Other  
 Observations: \_\_\_\_\_

Parameters Tested	Your Results				Units
	Air Temperature				
Water Temperature	<u>10.4</u>				°C
Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	YSI 550/ Meter	Other: <u>YSI 6000</u>
D.O. mg/L	No. of Titration Drops:	No. of Plastic Measuring Tubes:		Dissolved Oxygen Content:	<u>11.5</u> mg/L
D.O. % Saturation	<u>103%</u>				%
pH					-
	Transparency	Tube Length (circle one) 60 cr 100 cm <u>(120 cm)</u>	Trial #1 <u>120</u>	Trial #2 <u>120</u>	Average <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 <u>X</u> N ___ Point/Outfall Number: <u>344463220</u>				

mixed data down 1 row CAH

Streamflow was monitored this sampling event (select one): Yes ___ No ___						Length Assessed: <u>20</u> ft												
If No, why not? _____						Stream Width*: <u>20</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  <b>Velocity Float Trials</b> <table border="1"> <thead> <tr> <th>Trial Number</th> <th>Time (Seconds)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><u>24.8</u></td> </tr> <tr> <td>2</td> <td><u>29.11</u></td> </tr> <tr> <td>3</td> <td><u>25.0</u></td> </tr> <tr> <td>4</td> <td><u>25.6</u></td> </tr> </tbody> </table>	Trial Number	Time (Seconds)	1	<u>24.8</u>	2	<u>29.11</u>	3	<u>25.0</u>	4	<u>25.6</u>
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Point	Depth 10 <sup>th</sup> Feet	Point	Depth 10 <sup>th</sup> Feet	Depth Conversion Chart														
1	<u>0.6</u>	11	<u>1.0</u>	Ft/In	10 <sup>th</sup> Ft	Ft/In	10 <sup>th</sup> Ft											
2	<u>.5</u>	12	<u>1.0</u>	<u>3/8-7/8</u>	0.05	<u>6<sup>3/8</sup>-6<sup>7/8</sup></u>	0.55											
3	<u>1.0</u>	13	<u>1.7</u>	<u>1-1<sup>1/2</sup></u>	0.1	<u>7-7<sup>3/8</sup></u>	0.6											
4	<u>1.0</u>	14	<u>1.3</u>	<u>1<sup>5/8</sup>-2</u>	0.15	<u>7<sup>1/2</sup>-8</u>	0.65											
5	<u>1.1</u>	15	<u>1.9</u>	<u>2<sup>1/8</sup>-2<sup>5/8</sup></u>	0.2	<u>8<sup>1/8</sup>-8<sup>5/8</sup></u>	0.7											
6	<u>1.3</u>	16	<u>1.5</u>	<u>2<sup>3/4</sup>-3<sup>1/4</sup></u>	0.25	<u>8<sup>3/4</sup>-9<sup>1/4</sup></u>	0.75											
7	<u>1.3</u>	17	<u>1.7</u>	<u>3<sup>3/8</sup>-3<sup>7/8</sup></u>	0.3	<u>9<sup>3/8</sup>-9<sup>7/8</sup></u>	0.8											
8	<u>1.5</u>	18	<u>1.5</u>	<u>4-4<sup>3/8</sup></u>	0.35	<u>10-10<sup>3/8</sup></u>	0.85											
9	<u>1.4</u>	19	<u>1.5</u>	<u>4<sup>1/2</sup>-5</u>	0.4	<u>10<sup>1/2</sup>-11</u>	0.9											
10	<u>1.2</u>	20		<u>5<sup>1/8</sup>-5<sup>5/8</sup></u>	0.45	<u>11<sup>1/8</sup>-11<sup>5/8</sup></u>	0.95											
				<u>5<sup>3/4</sup>-6<sup>1/4</sup></u>	0.5	<u>11<sup>3/4</sup>-12</u>	1.0											
						<b>Velocity Correction Factor</b> Circle the bottom type Rough 0.8 <u>Smooth</u> 0.9												

Monitoring Equipment Calibration  
 DO Meter: Yes X 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 \_\_\_

**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)**

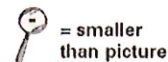
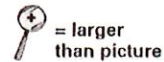
**\*\*You may use the Key to Macroinvertebrate Life in the River to help you identify macroinvertebrates**  
**Group 1: These are sensitive to pollutants. Circle each animal found.**



No. of group 1 animals circled:



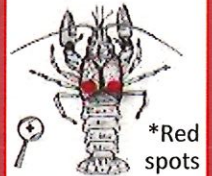
Relative Size Key:



**Key Aquatic Invasive Species (AIS)**

Circle AIS shown below if you think you found any:

**Rusty Crayfish**



**Asian Clam**



**New Zealand Mudsail**

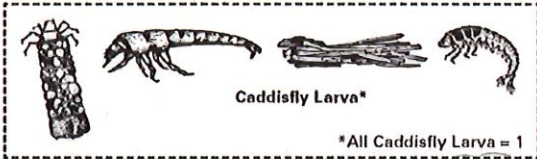


**Faucet Snail**

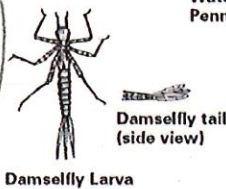


**If found, collect voucher or photo and report to DNR or WAV Coordinator.**

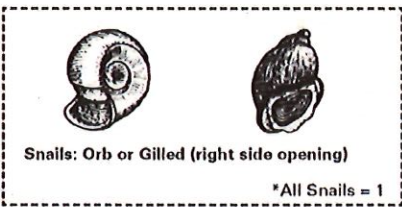
**Group 2: These are semi-sensitive to pollutants. Circle each animal found.**



No. of group 2 animals circled:



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



No. of group 3 animals circled:



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



No. of group 4 animals circled:



Date data entered into SWIMS? 11/30/23

Data Entry Volunteer Initials: CAH