

**Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4**

<b>Station Info</b>	WAV Station Number*: <u>643032</u>	Date*: <u>8/28/2023</u>	Time*: <u>4:30</u> AM or PM <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">PM</span>
	WAV Station Name*: _____		
	Team Member Name(s)*: <u>C. Scholl; M. Scholl</u>		

\*Denotes required field

<b>Weather</b>	Weather: (circle one) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Sunny</span> Partly Sunny Cloudy Rain Thunderstorm Snow	Sampling Date: (circle one) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Primary</span> Safety Other
	Weather over past two days: _____	
	Current Stream Condition (circle one): <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Normal</span> Flooding Dry Stagnant Frozen Other	
Observations: _____		

<b>WAV Monitoring Parameters</b>	Parameters Tested	Your Results				Units
	Air Temperature	<u>71 °F</u>				°C
	Water Temperature	<u>19.2</u>				°C
	Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">YSI 550A Meter</span>	Other: _____
	D.O. mg/L	No. of Titration Drops: _____	No. of Plastic Measuring Tubes: _____	Dissolved Oxygen Content: <u>9.1</u> <del>11.2</del>	mg/L	
	D.O. % Saturation	<u>110</u>				%
	pH					-
	Transparency	Tube Length (circle one)		Trial #1	Trial #2	Average
		60 cm	100 cm	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">120 cm</span>	<u>120</u>	<u>120</u>
	Specific Conductance	ECTestr reading: _____ ms/cm or µS/cm (circle units displayed)				
Chloride Sample	Collected? Y ___ N ___ Point/Outfall Number: _____					
Total Phosphorus Sample	Collected? Y ___ N ___ Point/Outfall Number: _____					

<b>Streamflow Monitoring</b>	Streamflow was monitored this sampling event (select one): Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							Length Assessed: <u>20</u> ft		
	If No, why not? _____							Stream Width*: <u>51</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	Point	Depth	Depth Conversion Chart					
		10 <sup>th</sup> s Feet		10 <sup>th</sup> s Feet	Ft/In	10 <sup>th</sup> s Ft	Ft/In	10 <sup>th</sup> s Ft		
	1	0	11	1.1	3/8-7/8	0.05	6 <sup>3</sup> / <sub>8</sub> -6 <sup>7</sup> / <sub>8</sub>	0.55		
	2	.6	12	1.2	1-1 <sup>1</sup> / <sub>2</sub>	0.1	7-7 <sup>3</sup> / <sub>8</sub>	0.6		
	3	.7	13	1.2	1 <sup>5</sup> / <sub>8</sub> -2	0.15	7 <sup>1</sup> / <sub>2</sub> -8	0.65		
	4	.7	14	.8	2 <sup>1</sup> / <sub>8</sub> -2 <sup>5</sup> / <sub>8</sub>	0.2	8 <sup>1</sup> / <sub>8</sub> -8 <sup>5</sup> / <sub>8</sub>	0.7		
	5	.9	15	.8	2 <sup>3</sup> / <sub>4</sub> -3 <sup>1</sup> / <sub>4</sub>	0.25	8 <sup>3</sup> / <sub>4</sub> -9 <sup>1</sup> / <sub>4</sub>	0.75		
6	.7	16	.7	3 <sup>3</sup> / <sub>8</sub> -3 <sup>7</sup> / <sub>8</sub>	0.3	9 <sup>3</sup> / <sub>8</sub> -9 <sup>7</sup> / <sub>8</sub>	0.8			
7	.6	17	.8	4-4 <sup>3</sup> / <sub>8</sub>	0.35	10-10 <sup>3</sup> / <sub>8</sub>	0.85			
8	.9	18	.9	4 <sup>1</sup> / <sub>2</sub> -5	0.4	10 <sup>1</sup> / <sub>2</sub> -11	0.9			
9	.9	19	1.0	5 <sup>1</sup> / <sub>8</sub> -5 <sup>5</sup> / <sub>8</sub>	0.45	11 <sup>1</sup> / <sub>8</sub> -11 <sup>5</sup> / <sub>8</sub>	0.95			
10	1.0	20	.5	5 <sup>3</sup> / <sub>4</sub> -6 <sup>1</sup> / <sub>4</sub>	0.5	11 <sup>3</sup> / <sub>4</sub> -12	1.0			
								Velocity Float Trials		
								Trial Number	Time (Seconds)	
								1	<u>24.7</u>	
								2	<u>23.5</u>	
								3	<u>17.5</u>	
								4	<u>21.0</u>	
								Velocity Correction Factor		
								Circle the bottom type		
								Rough	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">0.8</span>	
								Smooth	0.9	

<b>Monitoring Equipment Calibration</b>	DO Meter: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	pH Meter: Yes <input type="checkbox"/> No <input type="checkbox"/>
	ECTestr Yes <input type="checkbox"/> No <input type="checkbox"/>

<b>Equipment Cleaning and Disinfection</b>	Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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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.**



Stonefly Larva



Dobsonfly Larva



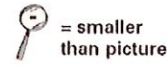
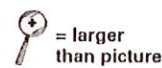
Alderfly Larva



Water Snipe Fly Larva

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**



\*Red spots

**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.**



Caddisfly Larva\*

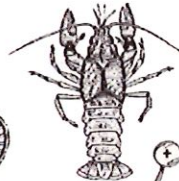
\*All Caddisfly Larva = 1



Dragonfly Larva



Water Penny



Crawfish

No. of group 2 animals circled:



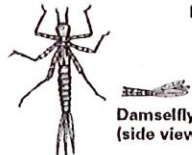
Crane Fly Larvae



Freshwater Mussel or Fingernail clam



Mayfly Larva



Damselfly Larva



Damselfly tail (side view)



Riffle Beetle Larva\*



Riffle Beetle Adult\*

\*All Riffle Beetles = 1

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



Black Fly Larva



Non-Red Midge Larva



Snails: Orb or Gilled (right side opening)



\*All Snails = 1



Amphipod or Scud

No. of group 3 animals circled:

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



Pouch Snail (left side opening)



Isopod or Aquatic Sowbug



Bloodworm Midge Larva (red)



Leech



Tubifex Worm

No. of group 4 animals circled:

Date data entered into SWIMS? \_\_\_\_/\_\_\_\_/\_\_\_\_      Data Entry Volunteer Initials: \_\_\_\_\_