

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

<b>Station Info</b>	WAV Station Number*: <u>10052841</u> Date*: <u>9/19/23</u> Time*: <u>2:35</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
	WAV Station Name*: <u>Kentich Cr near Boardwalk, USFS Property</u>
	Team Member Name(s)*: <u>Cathy Hagan</u>

<b>Weather</b>	Weather: (choose one)    Sunny <input checked="" type="checkbox"/> Partly Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Snow <input type="checkbox"/> Thunderstorms <input type="checkbox"/>	Sampling Date: (choose one)    Primary <input checked="" type="checkbox"/> Safety <input type="checkbox"/> Other <input type="checkbox"/>
	Weather over past two days: <u>cloudy, cool - in 50's for highs</u>	
	Current Stream Condition: (choose one)    Normal <input checked="" type="checkbox"/> Flooding <input type="checkbox"/> Dry <input type="checkbox"/> Stagnant <input type="checkbox"/> Frozen <input type="checkbox"/> Other <input type="checkbox"/>	
	Observations: <u>looks normal</u>	

	Parameters Tested	Your Results	Units	
<b>WAV Monitoring Parameters</b>	Air Temperature	<u>20.5</u>	°C	
	Water Temperature	<u>21.1</u>	°C	
	Dissolved Oxygen (D.O.) Sampling Method	Choose One: Hatch Kit <input type="checkbox"/> LaMotte Kit <input type="checkbox"/> YSI 550A Meter <input checked="" type="checkbox"/> Other: <u>YSI ProDO</u>		
	D.O. m/L	No. of Titration Drops: <input type="text"/> No. of Plastic Measuring Tubes: <input type="text"/> Dissolved Oxygen Content: <u>10.8</u>	mg/L	
	D.O. % Saturation	<u>120</u>	%	
	pH		-	
	Transparency	Tube Length (select one): 60 cm <input type="checkbox"/> 100 cm <input type="checkbox"/> 120 cm <input type="checkbox"/> Trial #1: <u>120</u> Trial #2: <u>120</u> Average: <u>120</u>	cm	
	Specific Conductance	ECTestr reading: <input type="text"/> (choose units displayed) ms/cm <input type="checkbox"/> μS/cm <input type="checkbox"/>		
	Chloride Sample	Collected? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Point/Outfall Number: <input type="text"/>		
	Total Phosphorus Sample	Collected? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Point/Outfall Number: <input type="text"/>		

<b>WAV Monitoring Parameters</b>	Was streamflow monitored this sampling event? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Length Assessed <u>20</u> ft	
	If No, why not? <input type="text"/>						Stream Width*: <u>10.5</u> ft	
	<b>Stream Depth Measurements</b>							
	Point	Depth (10 <sup>th</sup> Feet)	Point	Depth (10 <sup>th</sup> Feet)	Depth Conversion Chart			
					Ft/in	10 <sup>th</sup> Ft	Ft/in	10 <sup>th</sup> Ft
	1	0 <sup>0.35</sup>	11		¾-¾	0.05	6¾-6¾	0.55
	2	0.5	12		1-1½	0.1	7-7¾	0.6
	3	0.75	13		1¾-2	0.15	7½-8	0.65
	4	0.9	14		2¼-2¾	0.2	8¾-8¾	0.7
	5	0.95	15		2¾-3¼	0.25	8¾-9¾	0.75
6	0.65	16		3¾-3¾	0.3	9¾-9¾	0.8	
7	0.7	17		4-4¾	0.35	10-10¾	0.85	
8	0.55	18		4½-5	0.4	10½-11	0.9	
9	0.5	19		5¾-5¾	0.45	11¾-11¾	0.95	
10	0.3	20		5¾-6¾	0.5	11¾-12	1.0	
<b>Velocity Correction Factor</b>								
Trial Number		Time (Seconds)						
1		18.06						
2		41.59						
3		21.43						
4		23.63						
<b>Velocity Float Trials</b>								
Choose the bottom type:								
Rough		0.8 <input type="checkbox"/>						
Smooth		0.9 <input checked="" type="checkbox"/>						

<b>Monitoring Equipment Calibration</b>	D.O. Meter: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	pH Meter: <u>N/A</u> Yes <input type="checkbox"/> No <input type="checkbox"/>
	ECTestr: <u>N/A</u> Yes <input type="checkbox"/> No <input type="checkbox"/>

<b>Equipment Cleaning and Distribution</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)

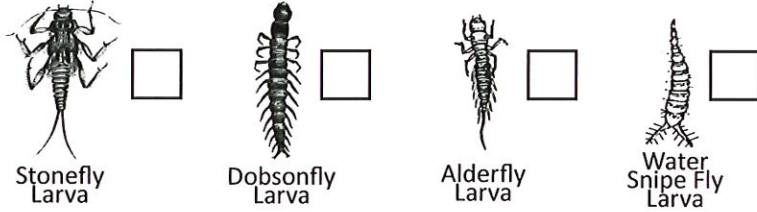
Activity Performed (choose one): Deployment  Retrieval  Monthly Check

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

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

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

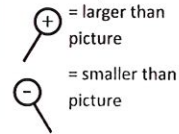
\*\*You may use the *Key to Macroinvertebrate Life in the River* to help you identify macroinvertebrates.  
**Group 1: These are sensitive to pollutants. Select each animal found.**



No. of group 1 animals circled:

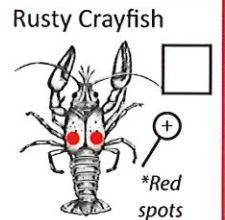
0

**Relative Size Key**

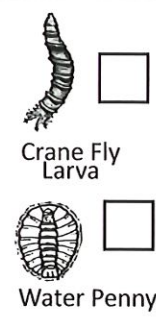
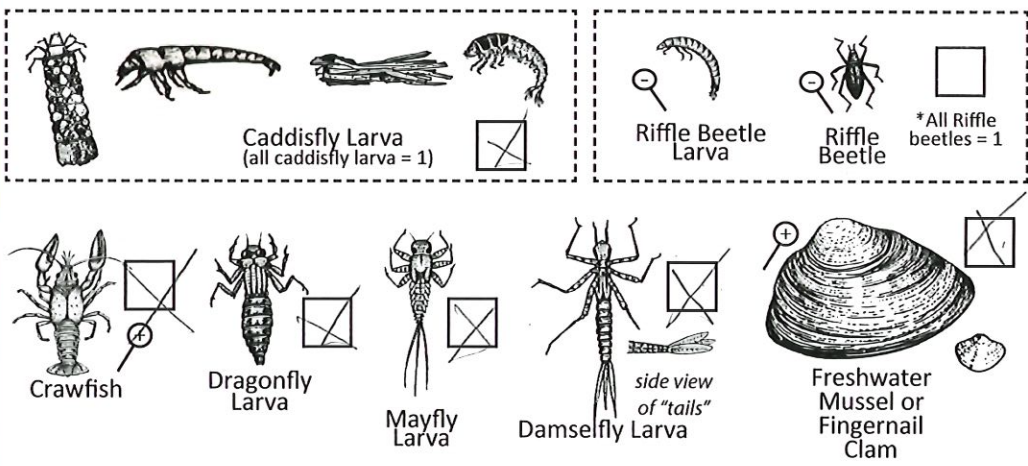


**Key Aquatic Invasive Species (AIS)**

Circle AIS shown below if you think you found any:



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



No. of group 2 animals circled:

0



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

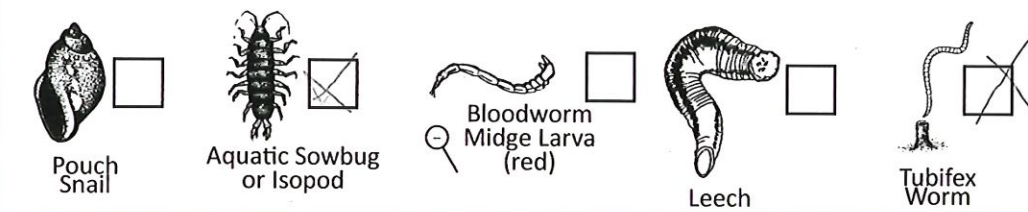


No. of group 3 animals circled:

2



**Group 4: These are tolerant of pollutants. Select 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?  /  /  Data Entry Volunteer Initials:

Download and print data sheets from [www.wateractionvolunteers.org](http://www.wateractionvolunteers.org).  
 For more information, call (608) 331-0173, or email [wav@extension.wisc.edu](mailto:wav@extension.wisc.edu).

