

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info	WAV Station Number*: <u>10055666</u> Date*: <u>04/21/2023</u> Time*: <u>10:50 AM</u> or PM
	WAV Station Name*: <u>Tama Back Stream Creek ~550M DS Tamauch Rd</u>
	Team Member Name(s)*: <u>Christine Colligan</u>

*Denotes required field

Weather	Weather: (circle one) <u>Sunny</u> Partly Sunny Cloudy Rain Thunderstorm Snow	Sampling Date: (circle one) <u>Primary</u> Safety Other
	Weather over past two days: <u>Cool - 66° Cloudy & Rainy (arizale)</u>	
	Current Stream Condition : (circle one) <u>Normal</u> Flooding Dry Stagnant Frozen Other	
	Observations: _____	

WAV Monitoring Parameters	Parameters Tested	Your Results				Units
	Air Temperature	<u>71° F 21.6 C</u>				°C
	Water Temperature	<u>14.6 C</u>				°C
	Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	YSI 550A Meter	Other: <u>YSI pro ODO</u>
	D.O. mg/L	No. of Titration Drops: _____	No. of Plastic Measuring Tubes: _____	Dissolved Oxygen Content: <u>9.8</u>		mg/L
	D.O. % Saturation	<u>96%</u>				%
	pH					-
	Transparency	Tube Length (circle one)		Trial #1	Trial #2	Average
		60 cm	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 <u>X</u> N ___ Point/Outfall Number: _____					

Streamflow Monitoring	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							
	Point	Depth	Point	Depth	Depth Conversion Chart			
		10 ^{ths} Feet		10 ^{ths} Feet	Ft/In	10 ^{ths} Ft	Ft/In	10 ^{ths} Ft
	<u>1</u>	<u>0</u>	<u>11</u>	<u>.8</u>	<u>3/8-7/8</u>	<u>0.05</u>	<u>6^{3/8}-6^{7/8}</u>	<u>0.55</u>
	<u>2</u>	<u>.2</u>	<u>12</u>	<u>.9</u>	<u>1-1^{1/2}</u>	<u>0.1</u>	<u>7-7^{3/8}</u>	<u>0.6</u>
	<u>3</u>	<u>.3</u>	<u>13</u>	<u>1.2</u>	<u>1^{5/8}-2</u>	<u>0.15</u>	<u>7^{1/2}-8</u>	<u>0.65</u>
	<u>4</u>	<u>.5</u>	<u>14</u>	<u>1.2</u>	<u>2^{1/8}-2^{5/8}</u>	<u>0.2</u>	<u>8^{1/8}-8^{5/8}</u>	<u>0.7</u>
	<u>5</u>	<u>.9</u>	<u>15</u>	<u>1.0</u>	<u>2^{3/4}-3^{1/4}</u>	<u>0.25</u>	<u>8^{3/4}-9^{1/4}</u>	<u>0.75</u>
<u>6</u>	<u>1.0</u>	<u>16</u>	<u>1.0</u>	<u>3^{3/8}-3^{7/8}</u>	<u>0.3</u>	<u>9^{3/8}-9^{7/8}</u>	<u>0.8</u>	
<u>7</u>	<u>1.0</u>	<u>17</u>	<u>1.0</u>	<u>4-4^{3/8}</u>	<u>0.35</u>	<u>10-10^{3/8}</u>	<u>0.85</u>	
<u>8</u>	<u>.6</u>	<u>18</u>	<u>.9</u>	<u>4^{1/2}-5</u>	<u>0.4</u>	<u>10^{1/2}-11</u>	<u>0.9</u>	
<u>9</u>	<u>.55</u>	<u>19</u>	<u>.8</u>	<u>5^{1/8}-5^{5/8}</u>	<u>0.45</u>	<u>11^{1/8}-11^{5/8}</u>	<u>0.95</u>	
<u>10</u>	<u>.6</u>	<u>20</u>	<u>.9</u>	<u>5^{3/4}-6^{1/4}</u>	<u>0.5</u>	<u>11^{3/4}-12</u>	<u>1.0</u>	
						Velocity Float Trials		
						Trial Number	Time (Seconds)	
						<u>1</u>	<u>15.16</u>	
						<u>2</u>	<u>16.2</u>	
						<u>3</u>	<u>21.7</u>	
						<u>4</u>	<u>16.73</u>	
						Velocity Correction Factor		
						Circle the bottom type		
						<u>Rough</u>	<u>0.8</u>	
						<u>Smooth</u>	<u>0.9</u>	

Monitoring Equipment Calibration	DO Meter: Yes <u>X</u> 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 _____
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Thermistor

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

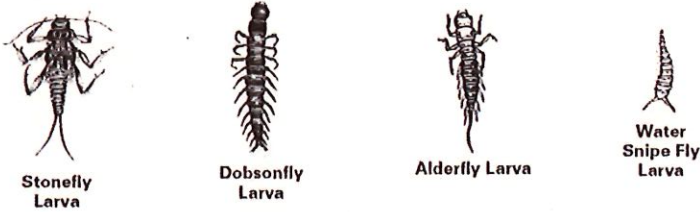
Activity Performed (circle one): Deployment Retrieval Monthly Check

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:

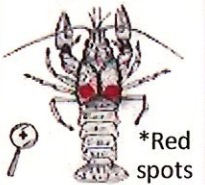
Relative Size Key:

= larger than picture

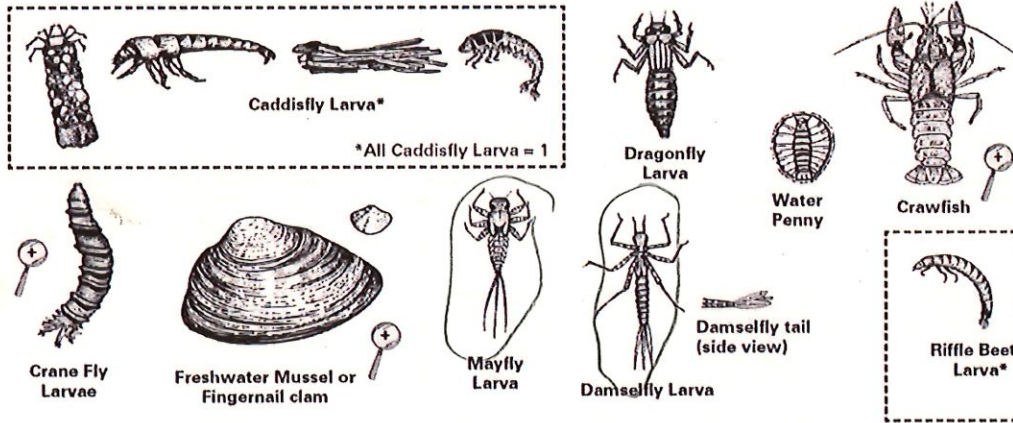
= smaller than picture

Key Aquatic Invasive Species (AIS)
 Circle AIS shown below if you think you found any:

Rusty Crayfish



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



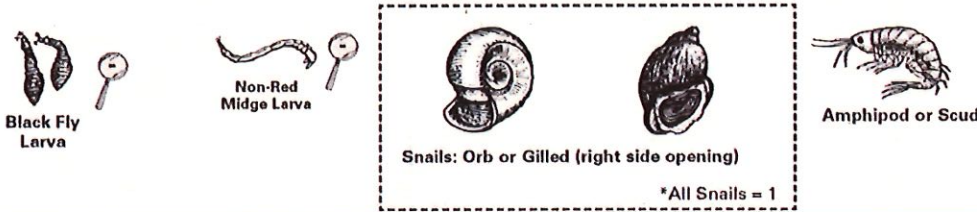
No. of group 2 animals circled:



New Zealand Mudsail



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

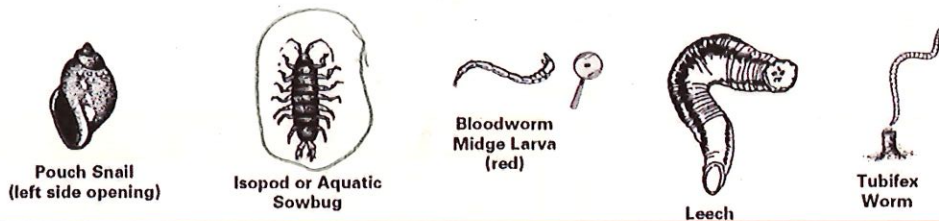


No. of group 3 animals circled:

Faucet Snail



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



No. of group 4 animals circled:

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

Data entered into SWIMS?

6 / 129 / 120 / 23

Data Entry Volunteer Initials

CAH