

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

<b>Station Info</b>	WAV Station Number*: <u>10052841</u>	Date*: <u>6/9/2025</u>	Time*: <u>3:44</u> AM or <u>PM</u>
	WAV Station Name*: <u>Kentuck Creek</u>		
	Team Member Name(s)*: <u>Cathy Huggins</u>		

\*Denotes required field

<b>Weather</b>	Weather: (circle one) <u>Sunny</u> <del>Partly Sunny</del> <del>Cloudy</del> <del>Rain</del> <del>Thunderstorm</del> <del>Snow</del>	Sampling Date: (circle one) <u>Primary</u> <del>Safety</del> <del>Other</del>
	Weather over past two days: <u>No rain, warm but not hot</u>	
	Current Stream Condition : (circle one) <u>Normal</u> <del>Flooding</del> <del>Dry</del> <del>Stagnant</del> <del>Frozen</del> <del>Other</del>	
	Observations: _____	

<b>WAV Monitoring Parameters</b>	<b>Parameters Tested</b>	<b>Your Results</b>				<b>Units</b>
	Air Temperature	<u>26.0</u>				°C
	Water Temperature	<u>24.9</u>				°C
	Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	YSI 550A Meter	Other: <u>YSI ProDO</u>
	D.O. mg/L	No. of Titration Drops: _____	No. of Plastic Measuring Tubes: _____	Dissolved Oxygen Content: <u>10</u>	mg/L	
	D.O. % Saturation	<u>121</u>				%
	pH	_____				-
	Transparency	Tube Length (circle one)		Trial #1	Trial #2	Average
		60 cr	100 cm	<u>120 cm</u>	<u>120</u>	<u>120</u>
	Specific Conductance	ECTestr reading: _____ ms/cm or $\mu$ S/cm (circle units displayed)				
Chloride Sample	Collected? Y ___ N <u>X</u> Point/Outfall Number: _____					
Total Phosphorus Sample	Collected? Y ___ N <u>X</u> Point/Outfall Number: _____					











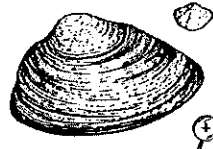



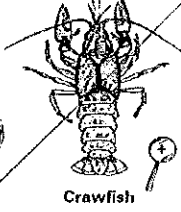



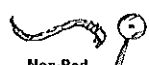







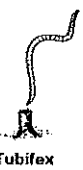
<b>Streamflow Monitoring</b>	Streamflow was monitored this sampling event (select one): Yes ___ No ___						Length Assessed: <u>20.44</u> ft	
	If No, why not? _____						Stream Width*: <u>10.5</u> ft	
	<b>Stream Depth Measurements</b>							
	Point	Depth	Point	Depth	<b>Depth Conversion Chart</b>			
		10 <sup>ths</sup> Feet		10 <sup>ths</sup> Feet	Ft/In	10 <sup>ths</sup> Ft	Ft/In	10 <sup>ths</sup> Ft
	1	<u>0.35</u>	11		<u>3/8-7/8</u>	0.05	<u>6<sup>3/8</sup>-6<sup>7/8</sup></u>	0.55
	2	<u>0.5</u>	12		<u>1-1<sup>1/2</sup></u>	0.1	<u>7-7<sup>3/8</sup></u>	0.6
	3	<u>0.7</u>	13		<u>1<sup>5/8</sup>-2</u>	0.15	<u>7<sup>1/2</sup>-8</u>	0.65
	4	<u>1.1</u>	14		<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
	5	<u>1.8</u>	15		<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
6	<u>0.7</u>	16		<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	
7	<u>0.7</u>	17		<u>4-4<sup>3/8</sup></u>	0.35	<u>10-10<sup>3/8</sup></u>	0.85	
8	<u>0.6</u>	18		<u>4<sup>1/2</sup>-5</u>	0.4	<u>10<sup>1/2</sup>-11</u>	0.9	
9	<u>0.4</u>	19		<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	
10	<u>0.35</u>	20		<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 Float Trials</b>								
Trial Number		Time (Seconds)						
1		<u>13.88</u>						
2		<u>15.66</u>						
3		<u>14.88</u>						
4		<u>16.28</u>						
<b>Velocity Correction Factor</b>								
Circle the bottom type								
Rough		0.8						
Smooth		<u>0.9</u>						

<b>Monitoring Equipment Calibration</b>	DO Meter: Yes <u>X</u> No _____
	pH Meter: Yes <u>X</u> No _____
	ECTestr Yes <u>X</u> No _____

<b>Equipment Cleaning and Disinfection</b>	Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes <u>X</u> No _____
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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: <input type="checkbox"/> HOBO (long grey) <input type="checkbox"/> TIDBIT (yellow) <input type="checkbox"/> TIDBIT V2 (orange)		
Activity Performed (circle one):	Deployment	Retrieval	Monthly Check
Deployment/Retrieval Time:	AM or PM	Monthly Check - thermistor submersed? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Describe location of thermistor if you <u>deployed</u> it today, or action(s) taken if <u>thermistor</u> was not submersed:			

Biotic Index (monitored in May and late September/early October)			
<p><b>**You may use the Key to Macroinvertebrate Life in the River to help you identify macroinvertebrates</b></p> <p><b>Group 1: These are sensitive to pollutants. Circle each animal found.</b></p>			
 Stonelfy Larva	 Dobsonfly Larva	 Alderfly Larva	 Water Snipe Fly Larva
No. of group 1 animals circled: <input style="width: 40px; height: 20px;" type="text"/>			<b>Relative Size Key:</b>  = larger than picture  = smaller than picture
<p><b>Group 2: These are semi-sensitive to pollutants. Circle each animal found.</b></p>			
 Caddisfly Larva* *All Caddisfly Larva = 1		 Dragonfly Larva	 Water Penny
 Crane Fly Larvae	 Freshwater Mussel or Fingernail clam	 Mayfly Larva	 Damsel Larva  Damsel tail (side view)
		 Crawfish	No. of group 2 animals circled: <input style="width: 40px; height: 20px;" type="text"/>
		 Riffle Beetle Larva*  Riffle Beetle Adult* *All Riffle Beetles = 1	
<p><b>Group 3: These are semi-tolerant of pollutants. Circle each animal found.</b></p>			
 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: <input style="width: 40px; height: 20px;" type="text"/>			
<p><b>Group 4: These are tolerant of pollutants. Circle each animal found.</b></p>			
 Pouch Snail (left side opening)	 Isopod or Aquatic Sowbug	 Bloodworm Midge Larva (red)	 Leach
			 Tubifex Worm
No. of group 4 animals circled: <input style="width: 40px; height: 20px;" type="text"/>			

**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.**

Date data entered into SWIMS? <u>6/13/23</u>	Data Entry Volunteer Initials: <u>CAU</u>
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