

Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

WAV Station Number*: 10057693 Date*: 8/8/2023 Time*: 9:30 AM or PM
 WAV Station Name*: Beaver Cr
 Team Member Name(s)*: Tim Hanson / Beth Beck

Sta. ID

*Denotes required field

Weather

Weather: (circle one) Sunny Partly Sunny Cloudy Rain Thunderstorm Snow
 Weather over past two days: Partly Cloudy / no rain
 Current Stream Condition (circle one) Normal Flooding Dry Stagnant Frozen Other
 Observations: Slightly below
 Sampling Date: (circle one) Primary Safety Other

Project ID CBSM-10057693

WAV Monitoring Parameters

Parameters Tested	Your Results				Units
Air Temperature	70° ⇒ 21°C				°C
Water Temperature	54.5 ⇒ 12.5°C				°C
Dissolved Oxygen (D.O.) Sampling Method	Circle One:	Hach Kit	LaMotte Kit	YSI 550/Meter	Other:
D.O. mg/L	No. of Titration Drops:	No. of Plastic Measuring Tubes:		Dissolved Oxygen Content:	mg/L
D.O. % Saturation					%
pH					-
					-
Transparency	Tube Length (circle one)		Trial #1	Trial #2	Average
	60 cm	100 cm	120	120	cm
Specific Conductance	ECTestr reading: _____ ms/cm or µS/cm (circle units displayed)				
Chloride Sample	Collected? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Point/Outfall Number: _____				
Total Phosphorus Sample	Collected? Y <input type="checkbox"/> N <input checked="" type="checkbox"/> Point/Outfall Number: _____				

Streamflow Monitoring

Streamflow was monitored this sampling event (select one): Yes No
 If No, why not? _____

Length Assessed: 25 ft
 Stream Width*: 5.5 ft

*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

Stream Depth Measurements								Velocity Float Trials	
Point	Depth		Point	Depth		Depth Conversion Chart		Trial Number	Time (Seconds)
	10 th Feet			10 th Feet		Ft/in	10 th Ft		
1	0.33		11	0.35	3/8-7/8	0.05	6 3/8-6 7/8	0.55	
2	0.35		12	0.35	1-1 1/2	0.1	7-7 3/8	0.6	
3	0.2		13	0.2	1 5/8-2	0.15	7 1/2-8	0.65	
4	0		14	0	2 1/8-2 5/8	0.2	8 1/8-8 5/8	0.7	
5	0		15	0	2 3/4-3 1/4	0.25	8 3/4-9 1/4	0.75	
6			16		3 3/8-3 7/8	0.3	9 3/8-9 7/8	0.8	
7			17		4-4 3/8	0.35	10-10 3/8	0.85	
8			18		4 1/2-5	0.4	10 1/2-11	0.9	
9			19		5 1/8-5 5/8	0.45	11 1/8-11 5/8	0.95	
10			20		5 3/4-6 1/4	0.5	11 3/4-12	1.0	

Velocity Correction Factor	
Circle the bottom type	
Rough	0.8
Smooth	(0.9)

Monitoring Equipment Calibration
 DO Meter: Yes No
 pH Meter: Yes No
 ECTestr: Yes No

Equipment Cleaning and Disinfection
 Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? 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

VERY SHALLOW CREEK

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.

Relative Size Key:
 = larger than picture
 = smaller than picture

No. of group 1 animals circled:

Stonely Larva

Dobsonfly Larva

Alderfly Larva

Water Snipe Fly Larva

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

No. of group 2 animals circled: 2

Caddisfly Larva*

*All Caddisfly Larva = 1

Dragonfly Larva

Water Penny

Crawfish

Crane Fly Larvae

Freshwater Mussel or Fingernail clam

Mayfly Larva

Damsel fly 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.

No. of group 3 animals circled:

Black Fly Larva

Non-Red Midge Larva

Snails: Orb or Gilled (right side opening)

*All Snails = 1

Amphipod or Scud

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

No. of group 4 animals circled:

Pouch Snail (left side opening)

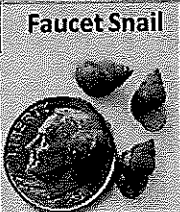
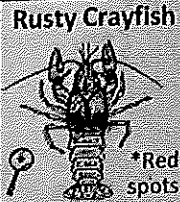
Isopod or Aquatic Sowbug

Bloodworm Midge Larva (red)

Leech

Tubifex Worm

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



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

Date data entered into SWIMS? 12/11/23 Data Entry Volunteer Initials: CAH