Water Action Volunteers Stream Monitoring Data Recording Form - Version 2015.1.4

Station Info

WAV Station Number*: 10053697 Date*: 8 / 8 /2023 Time*: 10.30 AM or PM

WAV Station Name*: North Creek

Team Member Name(s)*: Tim Hanson / Cathleen

*Denotes required field

Weather

Weather: (circle one) Sunny / Partly Sunny / Cloudy / Rain / Thunderstorm / Snow

Sampling Date: (circle one) Primary / Safety / Other

Weather over past two days: Partly Cloudy/No Rain

Current Stream Condition : (circle one) Normal / Flooding / Dry / Stagnant / Frozen / Other

Observations:

WAV Monitoring Parameters

Parameters Tested	Your Results	Units
Air Temperature	70° F ⇒ 21°C	°C
Water Temperature	71.5 F ⇒ 22°C	°C
Dissolved Oxygen (D.O.) Sampling Method	Circle One: Hach Kit / LaMotte Kit / YSI 550A Meter / YSI PRO ODO Other:	-
D.O. mg/L	No. of Titration Drops: X / No. of Plastic Measuring Tubes: 2 / Dissolved Oxygen Content: 7.4	mg/L
D.O. % Saturation	84%	%
pH		-
Transparency	Tube Length (circle one): 60 cm / 100 cm / 120 cm — Trial #1: 120 — Trial #2: 120 — Average: 120	cm
Specific Conductance	ECTestr reading: ms/cm or µS/cm (*circle units displayed*)	
Chloride Sample	Collected? Y XXX N Point/Outfall Number:	
Total Phosphorus Sample	Collected? Y N Point/Outfall Number: LATER	

Pool 60

Streamflow Monitoring

Streamflow was monitored this sampling event (select one): Yes X No

If No, why not?

Length Assessed: 30.15 ft

Stream Width*: 38 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

Point	Depth (10ths Feet)	Point	Depth (10ths Feet)
1	0	11	0.7
2	0.6	12	0.8
3	0.4	13	0.65
4	0.2	14	0.6
5	0.4	15	0.65
6	0.2	16	0.6
7	0.0	17	0.55
8	0.2	18	
9	0.4	19	
10	0.7	20	

Depth Conversion Chart

Ft/In	10ths Ft	Ft/In	10ths Ft
3/8-7/8	0.05	6 3/8-6 7/8	0.55
1-1 1/2	0.1	7-7 3/8	0.6
1 5/8-2	0.15	7 1/2-8	0.65
2 1/8-2 5/8	0.2	8 1/8-8 5/8	0.7
2 3/4-3 1/4	0.25	8 3/4-9 1/4	0.75
3 3/8-3 7/8	0.3	9 3/8-9 7/8	0.8
4-4 3/8	0.35	10-10 3/8	0.85
4 1/2-5	0.4	10 1/2-11	0.9
5 1/8-5 5/8	0.45	11 1/8-11 5/8	0.95
5 3/4-6 1/4	0.5	11 3/4-12	1.0

Velocity Float Trials

Trial Number	Time (Seconds)
1	13.67
2	14.82
3	13.93
4	14.19

Velocity Correction Factor

Circle the bottom type	
Rough	0.8
Smooth	0.9

Monitoring Equipment Calibration

DO Meter: Yes X No

pH Meter: Yes No

ECTestr Yes No

Equipment Cleaning and Disinfection

Boots/Waders/Footwear and other monitoring materials cleaned and disinfected? Yes X 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

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

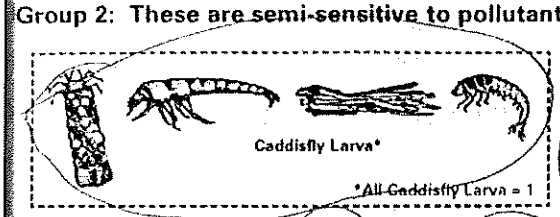
No. of group 1 animals circled:

Relative Size Key:

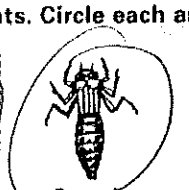

= larger than picture


= smaller than picture

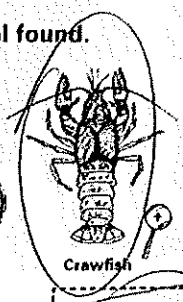
Group 2: These are semi-sensitive to pollutants. Circle each animal found.


Caddisfly Larva*

*All Caddisfly Larva = 1

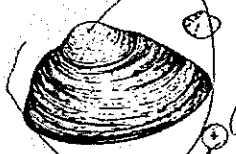

Dragonfly Larva


Water Penny


Crawfish

No. of group 2 animals circled:

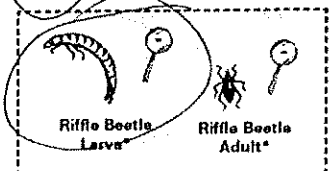

Crane Fly Larvae


Freshwater Mussel or Fingernail Clam


Mayfly Larva


Damselfly Larva

Damselfly tail (side view)

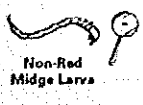

Riffle Beetle Larva*

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)

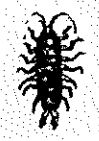
*All Snails = 1

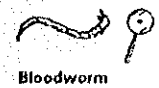

Amphipod or Scud

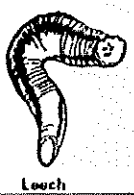
No. of group 3 animals circled:

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

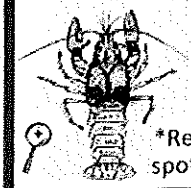

Tubifex Worm

No. of group 4 animals circled:

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? 11 / 30 / 2023 Data Entry Volunteer Initials: CMH

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