

7/27/21

Station Summary

Waterbody Name NAMEKAGON RIVER		WBIC 2689500	Field Seq no. generated by SWIMS 279685827
SWIMS Station ID 663037	SWIMS Station Name NAMEKAGON RIVER - PARK NORTH OF EARL		
Field Sample ID (retrieval date) 20210907 58-07-66-07	Basin (WMU) ST. CROIX	Watershed Name TREGO LAKE - MIDDLE NAME1	County WASHBURN
Project Name LARGE RIVER MACROINVERTEBRATE SAMPLING			
Latitude 45.9151819	Longitude -91.7661056	Determination Method eLT Location, 24K Hydro	Datum Used WTM83/91

Site Access Details: ~ 15 m upstream of canoe/tube landing on left bank. Sampler is towards the outer branch of a tag alder snag.

Sample and Site Descriptors

Sampling Device

Standard Non-wadeable Hester Dendy Hester Dendy Area Calculation = Plate Size (cm) _____
Number of Plates 8

Other Device: _____ Device Area Calculation = Plate Size (cm) _____

Habitat Sampled

Suspended River Bed

Snags (no./100m) 1 Avg. size (dbh) 2" Coniferous and/or Deciduous (circle) Tag alder

Riparian Land Use, Vegetation, and Condition: Compground on left bank. Numerous tubers w/ this stretch of right bank forest.

Substrate Composition

Bedrock _____ % Boulder _____ % Cobble 40 % Gravel 50 %
Sand 10 % Silt _____ % Clay _____ % Muck _____ %
Aquatic Macrophytes _____ % CWD _____ % Other (_____): _____ %

Field Measurements

	Deployment	Retrieval	Total Colonization Time (Days)
Date:	7/27/21	9/7/21	43
Time:	12:10	12:15	
Personnel:	Cunningham, Cress	Cunningham, Cress	
Water Depth at Location (m):	0.75 m	0.6 m	
Sampler Height Above Substrate (m):	8"	8"	
Bank Placement: R (L)	Left bank looking upstream	" "	
Distance From Bank:	4.5 m	" "	
Water Temp (C):	23.3	18.9	
Water Color (clear, turbid, stained):	stained	clear	
D.O. (mg/L):	8.1, 98.9% sat	9.7, 109.0%	
pH:	7.97	8.0	
Conductivity:	179.3	198.1	
Transparency Tube (cm):	7120	7120	
Turbidity (NTUs):			
Water Velocity (m/s):	0.45 m/s	0.35 m/s	

Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

Page 2 of 2

Draw Map:

GPS

N 45.91582

W -91.76525

Ethanol replaced the second day?	Yes	No
Label on inside of jar?	Yes	No
Label on outside of jar?	Yes	No

Additional Notes:

For Lab Use Only		
Sample Sorter <i>Walters, Selina</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>62.5%</i>
Date Processed <i>9/8/22</i>	Specimens Saved <i>543 subsample archived in ABC (umbil) Nov 2025</i>	

<p>Lab Use Only:</p> <p>H8:4 A6:10 B1:9</p> <p>G5:18 C7:9 G1:33</p> <p>E3:5 D3:1 D5:13</p>	<p><i>A8: 12</i></p> <p><i>B6</i></p> <p><i>B3</i></p>	<p><i>G3</i></p> <p><i>G4</i></p> <p><i>G2</i></p> <p><i>H3</i></p> <p><i>H5</i></p>	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">22</td><td style="text-align: center;">23</td><td style="text-align: center;">27</td><td style="text-align: center;">64</td></tr> <tr><td style="text-align: center;">25</td><td style="text-align: center;">26</td><td style="text-align: center;">43</td><td style="text-align: center;">48</td></tr> <tr><td style="text-align: center;">35</td><td style="text-align: center;">14</td><td style="text-align: center;">49</td><td style="text-align: center;">53</td></tr> </table>	22	23	27	64	25	26	43	48	35	14	49	53	<p>QA/QC</p> <p>worm: <i> </i></p> <p>midge: <i>15+ </i></p> <p>caddis: <i> </i></p>	<p>Stone: <i> 1</i></p> <p>May: <i> </i></p> <p>pupa: <i> </i></p>
22	23	27	64														
25	26	43	48														
35	14	49	53														

36

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
Acentrella turbida	L	III	3	Kub 2016			N
Baetis intercalaris	L	III	3	"			
Ismaeon anoka	L	-III	8	"			
Placiditus	L	I	1	MCB 2019	dam		
Caenis	L	I	1	"	dam		
Heptageniidae	L	XIII	14	"	dam/imm		
Mesochoreia	L	8xIII	53	Kub 2016	imm	Y	
M. medipunctatum	L	I	5	"			
M. vicarium	L	I	1	"			
Stenacron	L	I	1	MCB 2019	dam		
Leptophlebiidae	L	I	1	"	dam		
Acrocnema lycorias	L	XII	12	Hils 1974			
Paragneton media	L	II	2	Hils 1985			
Pteronareys	L	XIII	13	MCB 2019	imm		
Isonychia	L	I	6	"	imm		
Brachycentrus numerosus	L	8-4	37	Hils 1985			
Hydropsychidae	L	-III	9	MCB 2019	imm	N	
Ceratopsyche	L	X	10	Hils 1985	dam/imm	N	
C. macosa	L	80II	72	schm Hils 1986	imm	N	
C. m. bifida form	L	III	4	"			
C. m. macosa form	L	XIII	14	"			
C. spuma	L	I	1	"			
C. walkeri	L	II	2	"			
Cheumatopsyche	L	0	20	MCB 2019			
Hydropsyche	L	III	4	Hils 1985	imm	N	
H. phalerata	L	I	1	schm Hils 1986			
H. scalaris	L	0II	22	"			
Hydroptila	L	I	5	MCB 2019			
Ochrotrichia	L	I	1	"			
Chimarra aterrima	L	I	1	Hils 1982			
C. socia	L	II	2	"			
Macronychus glaberrimus	L	II	2	Hils 1985			
Atherix variegata	L	I	1	"			
Cricotopus (Cricotopus) fremulus group	P	II	2	Wieder 1986		2	
Eukiefferiella spaxii group	P	I	1	"		2	
Orthocladius (Orthocladius)	P	I	1	"		2	
Rhyacocentropus	P	I	1	MCB 2019		2	
Tanytarsini	P	III	4	"	dam	2	
Rhyacotanytarsus	P	II	2	"		2	
Hemero dromia	L	I	1	"			↓

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
<i>Simulium jenningsi</i>	L III		3	Adler et al 2004			N
<i>S. jenningsi</i> species group	L OVI		23	"	imm	N	
<i>S. venustum</i> species complex	L I		1	"			
<i>Antocha</i>	L III		3	McB 2019			
<i>Nyctelia spinicauda</i>	A III		4	Sovick et al 2015			
<i>Physa</i>	A II		2	Thorp Reg 2016			
<i>Ferrissia rivularis</i>	A I		1	"			
<i>Lebertia</i>	A I		1	Peck et al 1990			
<i>Sphaeriidae</i>	A I		1	"			
<i>Dugesidae</i>	A I		1	Thorp Reg 2016			
<i>Mermithidae</i>	A I		1				↓
<i>Split A1 Chironomidae</i>	L (by JJD)						
<i>Split A2 Chironomidae</i>	L (by JJD)						
<i>Split A3 Chironomidae</i>	L (by JJD)						
<i>Split A3 worm</i>	A (by JJD)						
<i>Cardinalius obocurus</i>	L XIII		14	Epler 2001			N
<i>Corynoneura</i>	L I		1	And et al 2013	dam/imm	N	
<i>Thienemannella</i>	L II		2	"			
<i>Tritentia hawaiiensis</i> group	L XI		11	Bode 1983			
<i>T. discoloripes</i> group	L XIII		7	"			
<i>Pneotanytarsus</i>	L IX		40	And et al 2013			
<i>Orthocladiinae</i>	L XIII		14	"	dam/imm	N	
<i>Cricotopus</i>	L XIII		9	"		N	
<i>C. (Cricotopus) bicinctus</i> group	L II		2	"			
<i>C. (C.) tremulus</i> group	L XIII		9	"			
<i>C. (C.) trifascia</i> group	L II		3	"			
<i>Eukiefferella gracilis</i> group	L I		1	"			
<i>Nanocladius (Nanocladius) spinipennis</i>	L I		1	Bolton 2012			
<i>N. (Plecopteracladius) branchicollis</i>	L I		1	"			
<i>Orthocladius (Euoorthocladius)</i>	L I		1	And et al 2013			
<i>O. (Orthocladius)</i>	L O-II		27	"			
<i>Rheocricotopus</i>	L I		5	"			
<i>Thienemannella similis</i>	L III		3	Bolton 2012			
<i>T. taurocapita</i>	L I		5	"			
<i>T. xena</i>	L II		2	"			
<i>Polypedium (Polypedium) fallax</i> group	L II		2	"			
<i>P. (Oresipedium) flavum</i>	L XIII		13	"			
<i>Tanytarsus</i>	L I		1	And et al 2013			↓

