

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name Totaugatic River @ Nancy Lake Rd DS	Waterbody ID Code 2689800	Sample ID (YYYYMMDD-CY-FD) 20201002-66-03
Sampling Location Downstream Nancy Lake Road		

SWIMS Station ID 10022312	SWIMS Station Name Totaugatic River Downstream Nancy Lake Road	Database Key 265718910
Latitude 46.09883	Longitude -91.945085	Lat/Long Determination method (circle) SWIMS SWDV <u>GPS</u>
Datum Used if using GPS NAD 27 or NAD83	Basin (WMU) St. Croix	Watershed Name Lower Namekagon River
County Washburn		

Sample and Site Descriptors

Sample Collector (Last Name, First) Cunningham, Joseph	Project Name NR LTT Wadeable Reference Stream
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Sampling Device

Kick Net Surber Sampler Eckman
 Ponar Artificial Substrate Hess Sampler Other: _____

Habitat Sampled

Riffle Run Pool
 Other Shoreline Composite Proportionally-Sampled Habitat
 Littoral Zone Profundal Zone Wetland

Total Sampling Time (min) 1 min	Estimated Area Sampled (m²) 1 m ²	Number of Samples in Composite 3-20 sec kicks	Replicate No. 1 of 1
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Reason for Sampling

Least Impacted Reference Baseline Impact / Treatment Site
 Control Site Trend Other: _____

Water Temp. (C) 13.9	D.O. (mg/l) 9.4	D.O. (% sat.) 91.4	pH (su) 7.2	Conductivity (umhos/cm) 123	Transparency (cm) >120
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	<input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" type="checkbox"/> Fast (>0.5 m/s)

Measured Velocity circle units mps or cfs	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 25 m
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball or basketball): 40 Gravel (ladybug to tennisball.): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: _____ Leaf Snags: 10 Course Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) 10% **Canopy Cover at Sample Site (%)** 0%

Stream and Watershed Descriptors

N = Not a problem
U = Uncertain
PL = Present, Low Impact
PH = Present, High Impact

Factors that may be Influencing Water Resource Integrity	Local	Water-shed	Factors that may be Influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	U	U	Chlorine		
- Filamentous Algae	U	U	Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N....)		
Other -Specify:			Toxics: - Inorganic (Metals)		
Iron Bacteria			- Organic (PCBs, pesticides ...)		
Macrophytes			Other - Specify:		
Slimes			Sources of Stream Impacts		
Other - Specify:			Bank Erosion	PL	PL
Physical			Point Source - Specify:		
Bank Erosion	PL	PL	Pasturing of Livestock		
Channelization - Upstream			Runoff: - Barnyard		
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		
Impoundment: - Upstream	U	U	- Urban		
- Downstream			Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Minerals soils		
Sludge			Springs		
Thermal			Tributary(s)		
Turbidity			Wetland		
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Elwer, Brenden</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>3.12%</i>
Date Processed <i>2-1-2022</i>	Specimens Saved <i>176 subsample archived in ABC under Mar 2025</i>	

0002
 003-57
 004
 001
 002
 B4
 Q1-119
 QQ3
 QQ4
 QQ2

176

	Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
1/1	Acentrella turbida	L	I	1	Kub 2016		
	Baetis flavistriga species complex	L	II	2	"		
	Ephemerella	L	I	1	MCB 2019	imm	
	Heptageniidae	L	I	1	"	dam	N
	Maccaffertium	L	I	5	Kub 2016	dam/imm	N
	M. medopunctatum	L	II	27	"		
	M. terminatum	L	I	1	"		
2/3	Taeniopteryx	L	II	2	MCB 2019	imm	
	Hydropsychidae	L	I	1	"	imm	N
	Ceratopsyche	L	X	10	Hils 1985	imm	N
	C. morosa bifida form	L	XII	12	Schm Hils 1986		
	Cheumatopsyche	L	III	83	MCB 2019		
	Oecetis	L	I	1	"	imm	
	Chimarra obscura	L	III	3	Hils 1982		
	Optiosevus fastidius	L	II	2	Hils Schm 1992		
3/5	O. ferrugineus	L	II	2	"		
	Empididae	L	I	1	MCB 2019	dam	N
	Nemerochroma	L	XIII	16	"		
	Simulium vittatum species complex 08110217	L	III	3	Adl et al 2004		
	Hydella azteca	L	I	1	Sova et al 2015		
	Haploemerita Postema	A	III	4	Thorp Reg 2016		
	Dugesidae	A	I	1	"		
	Naididae	A	XII	17	Kathrin 1998		
	Daphniidae	A	II	2	Thorp Reg 2016		
	3/11 A2 Chironomidae	L	XIII				
	Rheotanytarsus	L	III	8	And et al 2013		
	Orthocladinae	L	III	4	"	imm	N
	Cricotopus (Cricotopus) fremulus group	L	I	1	"		
	Orthocladus	L	III	3	"		
	Polypedium (Tripedana) scalanum group	L	I	1	Bolton 2012		
	P-(Chesipedium) flavum	L	I	1	"		

3 taxa, TVALS 2.0
 5 < (0.1 x 168)