

Instructions: Bold fields must be completed.

Station Summary		
Waterbody Name UPPER PINE CREEK	Waterbody ID Code 2087300	Sample ID (YYYYMMDD-CY-FD) 20190917-03-01
Sampling Location 10m downstream 19 1/4 St.		Database Key 206243684

SWIMS Station ID 10008074	SWIMS Station Name UPPER PINE CREEK		
Latitude 45, 21580	Longitude 91.76308	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA	Watershed Name PINE CREEK AND RED CEDAR RIVER	County BARRON	

Sample and Site Descriptors	
Sample Collector (Last Name, First) JON KLEIST	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2019

Sampling Device

D-Frame 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) 2	Estimated Area Sampled (m²) 1	Number of Samples in Composite 3	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) 15.4	D.O. (mg/l) 8.0	D.O. (% sat.) 82	pH (su) 7.4	Conductivity (umhos/cm) 244	Transparency (cm) >120
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Water Color

Clear
 Turbid
 Stained

Estimated Stream Velocity (m/s)

Slow (< 0.15 m/s)
 Moderate (0.15 m/s - 0.5 m/s)
 Fast (> 0.5 m/s)

Measured Velocity 1.5	circle units m/s or f/s	Average Stream Depth of reach (m) 0.3	Average Stream Width of reach (m) 8
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: 50
 Aquatic Macrophytes: 50 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) NA **Canopy Cover at Sample Site (%)** 30

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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Physical				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>BRV</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>33%</i>
Date Processed <i>10/08/2020</i>	Specimens Saved <i>Subsample archived in ABL until Nov 2023</i>	

A1⁰² C2⁰¹
78 112
190

Wisconsin Department of Natural Resources

ABL SampleNum: 20190917-03-01

Taxonomist: Dimick, Jeffrey

Waterbody: Upper Pine Creek

SWIMS Database Key: 206243684

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	II	2	Merriam B 2019	dam/imm N	
Acentrella parvula	L	I	1	KLub 2016		
Baetis brunneicolar	L	880000000	108	"		
B. tricaudatus	L	III	3	"		
B. flavistriga species complex	L	I	1	"		
Isonychia anoka	L	III	3	"		
Labobaetis propinquus	L	III	3	"		
Caenis	L	I	1	Merriam B 2019	imm	
Maccaffertium	L	I	1	KLub 2016	imm	
M. mexicanum	L	I	1	"		
Leptophlebia	L	r	5	Merriam B 2019		
Paraleptophlebia praepedita	L	I	1	KLub 2016		
Calopterygidae	L	III	5	Merriam B 2019	imm	N
Calopteryx	L	II	2	"	imm	
Isonychia transmarina	L	I	1	Hils 1982		
Brachycentrus americanus	L	I	1	Hils 1985		
B. occidentalis	L	III	3	"		
Hydrophylax agvus	L	I	1	Hils 1995		
Ephydriidae	L	III	4	Merriam B 2019		
Simulium	L	II	2	"	imm	
S. venustum species complex	L	x	10	Adl et al 2004		
Gammarus pseudolimnoides	A	I	1	Hils 1972		
Caecidotea	A	I	1	Thepp 2016	imm	
Split A2 Chironomidae	L	x-III-III	10			
Briffa	L	II	2	And et al 2013	imm	
Thienemannimyia group	L	I	1	"	imm	
Orthocladinae 08300000	L	I	1	"	imm	N
Cricotopus (Cricotopus) brometus group	L	II	2	"		
Thienemannella	L	I	1	"	imm	N
T. xera	L	III	3	Bolton 2012		
Chironominae 08330000	L	III	3	And et al 2013	imm	N
Paratanytarsus species A	L	I	1	Hils unpubl		
Polyperidilum (Uniperidilum) aviceps	L	I	1	Bolton 2012		
Rheotanytarsus	L	III	4	And et al 2013		