

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> PICKEREL CREEK	<b>Waterbody ID Code</b> 387300	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20160929-34-06
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<b>Sampling Location</b> Pickrel Cr DS Pine Point Road	<b>Database Key</b> 133642143
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<b>SWIMS Station ID</b> 10029096	<b>SWIMS Station Name</b> PICKEREL CREEK - 435.5M DOWNSTREAM PINE POINT RD
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<b>Latitude</b>	<b>Longitude</b>	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or <u>NAD83</u>
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<b>Basin (WMU)</b> WOLF RIVER	<b>Watershed Name</b> LILY RIVER	<b>County</b> LANGLADE
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> <del>CHERIE WIELOCH</del> Klogiewski Jim	<b>Project Name</b> NORTH DISTRICT NC STREAM STRATIFIED SITES 2016
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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

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 3-20 sec	<b>Replicate No.</b> <u>1</u> of <u>1</u>
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**Reason For Sampling**

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

<b>Water Temp. (C)</b> 15.4	<b>D.O. (mg/l)</b> 10.12	<b>D.O. (%sat.)</b> 101.2	<b>pH (su)</b> 7.89	<b>Conductivity (umhos/cm)</b> 165.1	<b>Transparency (cm)</b> >120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.6 m	<b>Average Stream Width of reach (m)</b> 1.2
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 20 Gravel (ladybug to tennisball): 40  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 30  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse 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
<b>Biological</b>				<b>Chemical</b>			
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:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				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>Kuhne, Alison</i>	Taxonomist <i>Nimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>5-1-17</i>	Specimens Saved <i>Subsample archived in ABC under 1 Oct 2020</i>	

*A2-92*  
*B3-88*

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis flavistriga</i> species complex	L	I	1	Klüber et al 2016		
<i>Acerpenna</i>	L	IIII	4	"	dam	
<i>Acentrella parvula</i>	L	I	1	"		
<i>Isuraea anoka</i>	L	-II	7	"		
Hemiptera	L	"	2	"	dam	N
<i>Stenonema interpunctatum</i>	L	IIII	4	"		
<i>Leucrocota</i>	L	-II	8	"		
<i>Maccaffertium</i>	L	0-IIII	29	"	imm	Y
<i>M. vicarium</i>	L	XI	15	"		
<i>Leptophlebia cupida</i>	L	0IIII	23	"		
<i>Ophiocamptus rupinulensis</i>	L	I	1	Need et al 2000		
<i>Gomphus (Gomphus)</i>	L	I	1	"	imm	
<i>Aelico psyche borealis</i>	L	III	3	Hilsenhoff 1995		
<i>Cheumatopsyche</i>	L	XII	12	"		
<i>Ceratopsyche branta</i>	L	-III	8	Schm., Nils. 1986		
<i>C. morosa bifida</i> form	L	I	1	"		
<i>Oecetis avara</i>	L	II	2	Floyd 1995		
<i>Mystacides sepulchralis</i>	L	II	2	Boyd 2013		
Limnephilidae	L	III	3	Hilsenhoff 1995	imm	
<i>Psychomyia flavida</i>	L	I	1	"		
<i>Nicotia semicarnis</i>	L	III	3	Menzies 1996		
<i>Paraponyx</i>	L	I	1	Hilsenhoff 1995		
<i>Dubiraphia</i>	L	I	1	Nils., Schm. 1992		
<i>Onicosentrus fastidius</i>	L	I	1	"		
<i>O. trivittatus</i>	L	II	2	"		
<i>Stenelmis</i>	L	0-	25	"		N
<i>S. crenata</i>	A	-I	6	"		
<i>Hemerodromia</i>	L	I	1	Good, Menz. 2008		
Ephydriidae	P	I	1	Menz. Webb 2008		
Philopotamidae	L	I	1	Hilsenhoff 1995	imm	
Meconithida	L	I	1	Dinar 1991	imm	
Clitellata	A	I	1	Brown, Gled. 1991	frag	
Viviparidae	A	I	1	Brown 1991	dam	
<i>Gypaulus defletus</i>	A	I	1	Burch 1982		
Hydrobiidae	A	III	3	Brown 1991		
<i>Pisidium</i>	A	0I	21	Burch 1972		

