

Instructions: **Bold** fields must be completed.

**Station Summary**

<b>Waterbody Name</b> PEWAUKEE RIVER		<b>Waterbody ID Code</b> 771700	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20201007-08--31
<b>Sampling Location</b> DSOF Hwy J			<b>Database Key</b> 250470545
<b>SWIMS Station ID</b> 10034288		<b>SWIMS Station Name</b> PEWAUKEE RIVER AT HWY J	
<b>Latitude</b> 43.04623179	<b>Longitude</b> -89.2254644	<b>Lat/Long Determination Method (circle)</b> <input checked="" type="checkbox"/> SWIMS <input type="checkbox"/> SWDV <input type="checkbox"/> GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
<b>Basin (WMU)</b> FOX (IL)		<b>Watershed Name</b> UPPER FOX RIVER - ILLINOIS	<b>County</b> WAUKESHA

**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Sabre, Rachel	<b>Project Name</b> SOUTH 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

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
---	--	--	------------------------------------

**Reason For Sampling**

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

<b>Water Temp. (C)</b> 12.38	<b>D.O. (mg/l)</b> 9.34	<b>D.O. (% sat.)</b> 92.6	<b>pH (su)</b> 7.60	<b>Conductivity (umhos/cm)</b> 982.4	<b>Transparency (cm)</b> 120+
---------------------------------	----------------------------	------------------------------	------------------------	---	----------------------------------

<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)
--	--

<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.4m	<b>Average Stream Width of reach (m)</b> 11.1m
--	--	---

**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: 10 Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 20%     
**Canopy Cover at Sample Site (%)** 0%

20201007-68-31  
 Station # 10034288  
 Sample 1 of 1  
 Pewaukee River DS Hwy J  
 WBIC 771700  
 Rachel Sabre  
 S District NC Streams Stratified 2019

**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>Raatz, Trevor</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>9.4</i>
Date Processed <i>10/12/2021</i>	Specimens Saved <i>subsample archived in ABL until Nov 2024</i>	

*B1*  
*Q4: 24*  
*Q2: 13*  
*Q3: 16*  
*Q1:*

*A4*  
*Q4: 41*  
*Q1: 25*  
*Q2: 18*  
*Q3:*

**137**

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Stenocran	L	II	2	MCB 2019	imm	
Argia	L	I	1	"	imm	
Enallagma	L	I	1	"	imm	
Ceratopsyche branta	L	I	1	Schmitts 1986		
C. m. bifida form	L	I	1	"		
Cheumatopsyche	L	8x-11	57	MCB 2019		
Hydropsyche	L	II	2	Hils 1995	imm	N
id- betteri	L	II	2	Schmitts 1986		
Helicopsyche borealis	L	I	1	Hils 1995		
Hydroptila	L	III	8	MCB 2019		
Travenodes	L	I	1	"	imm	
Limnephilidae	L	I	1	"	imm	
Chironomus obscura	L	II	2	Hils 1982		
Dubiraphia	L	I	1	MCB 2019		N
D. minima	A	I	1	Hils Schmitt 1992		
Optiosenus	L	II	2	MCB 2019	imm	N
O. fastiditus	L	-I	6	Hils Schmitt 1992		
Stenelmis	L	-I	5	MCB 2019		
Neurocrania	L	III	4	"		
Simulium vittatum species complex 08110217	L	I	1			
Gammarus pseudolimnacus	A	-	5	Hils 1972		
Coeloclelea	A	I	1	Thorp Reg 2016	imm	
Dugesidae	A	-I	6	"		
Pisidium	A	I	1	"		
Sphaerium	A	II	2	"	imm	
<del>Split to Chironomidae</del>	L	8x-11				
Pentaneura conspurcator	L	I	1	Epler 2001		
Cricotopus (Cricotopus) bicinctus group	L	I	1	And et al 2013		
Limnephyles	L	I	1	"		
Orthocladus (Orthocladus)	L	II	2	"		
Thienemannella lobopodema	L	I	1	Bolton 2012		
Endochironomus nigricans	L	I	1	"		
Microtendipes pedellus group	L	I	1	And et al 2013		
Polypedilum (Polypedilum) illinoense group	L	III	4	Bolton 2012		
A-(Urosipedilum) flavum	L	8x-11	18	"		
Rheotanytarsus	L	II	2	And et al 2013		

<3 taxa, TVAL < 2.0