

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name PEPLIN CREEK		Waterbody ID Code 1426200	Sample ID (YYYYMMDD-CY-FD) 7/17/18-37-02
Sampling Location US and around culvert area		Database Key 149819254	
SWIMS Station ID 10010101		SWIMS Station Name PEPLIN CREEK - PEPLIN CREEK AT SOUTN RD SITE 2	
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) CENTRAL WISCONSIN		Watershed Name JOHNSON AND PEPLIN CREEKS	County MARATHON

Sample and Site Descriptors	
Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2017

**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) 3 min	Estimated Area Sampled (m <sup>2</sup> ) 4 m <sup>2</sup>	Number of Samples in Composite 1	Replicate No. 1 of 1
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**Reason For Sampling**

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

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

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: \_\_\_\_\_ Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 70  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other (10): Culvert

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

Comments Stream site backed up by beavers since fish survey in early summer. Stream appears much deeper and darker. Sampled overhanging veg; rock wall; culvert and woody debris all around the culvert area. No noticeable flow. Horse pasture nearby

Special Instructions for Laboratory

**For Lab Use Only**

Sample Sorter <u>Kayla W. Cox</u>	Taxonomist <u>Dimick Jeffrey</u>	Estimated Percent of Sample Sorted <u>70%</u>
Date Processed <u>8/9/18</u>	Specimens Saved <u>Subsample archived in BBL until Dec 2021</u>	

E3=202

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Anafrontilem	L	ii	2	Klub 2016	imm	
Eurylophella	L	i	1	"	imm	
Lepidobothria	L	-i	6	"		
Platycentropus	L	-	5	Hils 1995	imm	N
P. amicus	L	i	1	Wyr 1996		
Dixella	L	iii	3	Hils 1995		
Anopheles	L	i	1	Wallwork 2008		
Gammarus pseudolimnoides	A	iiii	4	Hils 1972		
Anaxilidae	A	ii	2	Thorp & Poff 2006	Brown 1991	
Conchapelonia 08270700	L	x	10	Coan Epl 2013		
Labrundinia pilosella	L	i	1	Epler 2001		
Meronelepis	L	i	1	Coan Epl 2013		
Zavrelimyia 08273000	L	8-ii	37	Silv Ekr 2015		
Ablabesmyia (Ablabesmyia)	L	ii	2	Coan Epl 2013		
Thienemannimyia group	L	ii	2	"	mt indet	N
Limnophyes	L	i	1	Anda + 3 2013		
Parametriocnemus	L	ii	2	"		
Chironominae 08330000	L	iii	3	Coanston 2013	mt indet	N
Chironomus	L	-	5	Epl et al 2013		
Dicropodipes	L	iiii	24	"		
Micronsectra	L	iiii	4	"		
Paratanytarsus	L	-iiii	9	"	mt indet	N
P. sp. A	L	x	35	Hils unpubl		
P. sp. B	L	i	1	"		
P. longistilus	L	i	1	Epl et al 2013		
Paratendipes	L	-	5	"		
Phaenosectra	L	i	1	"	imm	N
Ph. flavipes	L	i	1	Bolton 2012		
Ph. obediens group	L	i	1	Epler 2001	imm	Y
Polypedilum (Polypedilum) illinoense group	L	iiii	4	Bolton 2012		
Tanytarsus	L	0-ii	27	Epl et al 2013		