

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name PIGEON CREEK		Waterbody ID Code 20500	Sample ID (YYYYMMDD-CY-FD) 20191104-46-01
Sampling Location US Williamsburg Drive		Database Key 220742823	
SWIMS Station ID 10012500		SWIMS Station Name PIGEON CREEK AT WILLIAMSBURG DRIVE AT THEINSVILLE WI	
Latitude 43.2339	Longitude -87.9860	Lat/Long Determination Method (circle) SWIMS <u>SWDV</u> GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name MILWAUKEE RIVER SOUTH	County OZAUKEE
Sample and Site Descriptors			
Sample Collector (Last Name, First) CRAIG HELKER		Project Name MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRATA	
Sampling Device			
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____			
Habitat Sampled			
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland			
Total Sampling Time (min) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite	Replicate No. _____ of _____
Reason For Sampling			
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input checked="" type="checkbox"/> Other: _____			
Water Temp. (C) 5.64	D.O. (mg/l) 11.9	D.O. (% sat.) 96.4	pH (su)
Conductivity (umhos/cm) 763.1		Transparency (cm) 120	
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained		Estimated Stream Velocity (m/s) <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 3.22	circle units m/s or f/s	Average Stream Depth of reach (m) .3	Average Stream Width of reach (m) 4.5
Composition of Substrate Sampled (Percent):			
Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 40
Sand: 20	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (_____): _____
Embeddedness of Substrate at Sample Site (%) 10		Canopy Cover at Sample Site (%) 70	

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			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Eric Nims</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>27%</i>
Date Processed <i>10/10/2020</i>	Specimens Saved <i>Subsample archived in ABC until Aug 2023</i>	

B3 E1 A2 E2
 31 26 27 51 = 135

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis bairdii</i>	L	II	2	Klich 2016		
<i>Stenocranus interpunctatum</i>	L	I	1	"		
<i>Stenocranus femoratum</i>	L	III	4	"		
<i>Allocaemia</i>	L	-III	8	MerrGummB 2019		
<i>Chaumatopsyche</i>	L	-III	8	"		
<i>Hydropsyche baeteni</i>	L	II	2	Schmittils 1986		
<i>Chimarra obscura</i>	L	III	4	Hils 1982		
<i>Optioservus</i>	L	I	1	Hils Schmitt 1992	imm	N
<i>O. fastiditus</i>	L	B01	61	"		
<i>Stenelmis</i>	L	-	5	"		N
<i>S. crenata</i>	A	-1	6	"		
<i>Cnephia</i>	L	I	1	Adl et al 2004	imm	
<i>Simulium fibrinifolium</i>	L	I	1	"		
<i>S. jenningsi</i> species group	L	II	2	"		
<i>S. vittatum</i> species complex 08110217	L	II	2	"		
<i>Antocha</i>	L	II	2	MerrGummB 2019		
<i>Limonia</i>	L	I	1	"		
<i>Tipula</i>	L	III	3	"		
<i>Gammarus pseudolimnaeus</i>	A	BIII	44	Hils 1972		
<i>Caecidotea intermedia</i>	A	0II	22	Will 1972		
<i>Orconectes rusticus</i>	A	I	1	Hobbs Jass 1988		
Tubificonae (without hairs)	A	0II	4	Klemm 1985		
<i>Sphaerium simile</i>	A	-II	7	Mackie 2007		
Split to Chironomidae	L	X-III-JD				
<i>Diamesa</i>	L	I	1	Sackn And 2013		
<i>Boella</i>	L	II	2	And + 3 2013	imm	
<i>Rhyacotarsus</i>	L	-III	10	Epl et al 2013		
<i>Orthocladius</i> 08300000	L	II	2	Cranston 2013	imm	N
<i>Orthocladius</i>	L	III	4	And + 3 2013		
<i>Parametriocnemus</i>	L	I	1	"		
<i>Cricotopus (Cricotopus) tremulus</i> group	L	III	3	"		
<i>Microsectra</i>	L	II	2	Epl et al 2013		
<i>Microtendipes pedellus</i> group	L	I	1	"		
<i>Paratanytarsus longistylus</i>	L	I	1	"		
P- species B	L	I	1	Hils unpub		
<i>Polypedium (Polypedium) fallax</i> group	L	I	1	Bolton 2012		

23 taxa, TVAL < 2.0