

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name NORTH BRANCH MILWAUKEE RIVER <i>Nichols Creek</i>		Waterbody ID Code 27100	Sample ID (YYYYMMDD-CY-FD) <i>20171025-60-01</i>
Sampling Location <i>R-1116 ds of SOS</i>			Database Key 149295971
SWIMS Station ID 10030491	SWIMS Station Name NICHOLS CREEK - DS OF CTH N		
Latitude <i>43.6866</i>	Longitude <i>-88.0335</i>	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) MILWAUKEE RIVER		Watershed Name NORTH BRANCH MILWAUKEE RIVER	County SHEBOYGAN

Sample and Site Descriptors

Sample Collector (Last Name, First) CRAIG HELKER	Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAMS
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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) <i>1</i>	Estimated Area Sampled (m ²) <i>1</i>	Number of Samples in Composite	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C)	D.O. (mg/l) <i>Not taken</i>	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm) <i>+120</i>
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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)
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Measured Velocity <i>2.0</i> circle units m/s or f/s	Average Stream Depth of reach (m) <i>.6</i>	Average Stream Width of reach (m) <i>1.5</i>
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): *30* Gravel (ladybug to tennisball): *50*
 Sand: *20* Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) *30* Canopy Cover at Sample Site (%) *90*

Sorter
Logan Cutler
11-9-18

Designation B-1
133 7% sample sorted

Taxonomist
Dimick, Jeffrey
subsamp archived in ABL
until Jan 2022

Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Panorpina angulata</i>	L	I	1	Hitch 1974		
<i>Ephemerella</i>	L	II	2	Klich 2016	imm	N
<i>E. subvaria</i>	L	III	3	"		
<i>Brachycentrus americanus</i>	L	III	3	Hils 1985		
<i>B. occidentalis</i>	L	III	3	"		
<i>Micrasema gelidum</i>	L	III	4	"		
Hydroptilidae	L	I	1	Hils 1985	imm	N
<i>Cnematopteryx</i>	L	0-III	23	"		
<i>Hydropteryx</i>	L	I	1	"	imm	N
<i>H. betteri</i>	L	-	5	Schm Hils 1986		
<i>Ceratopteryx lossoneae</i>	L	0-III	25	"		
<i>Lepidostoma</i>	L	II	2	Hils 1985		
<i>Hesperophylax designatus</i>	L	I	1	"		
<i>Chimarra aterrima</i>	L	-II	7	Hils 1982		
<i>Optiosevus</i>	L	-III	9	Hils Schm 1982	imm	N
<i>O. fastidius</i>	L	-II	7	"		
<i>Simulium vittatum</i> species complex 08110218	L	I	1	Adl et al 2004		
<i>Antocha</i>	L	XI	11	Hils 1985		
<i>Dicranota</i>	L	II	2	"		
<i>Orthocladius (Orthocladius)</i>	P	I	1	Coff et al 1986		
<i>Gammarus pseudolimnaeus</i>	A	X-III	18	Hils 1972		
<i>Caecidotea intermedia</i>	A	I	1	Will 1972		
<i>Spercha</i>	A	I	1	Mueh 1984		
<i>Metagynephora</i>	A	I	1	Thorp Reg 2016		
Spitiz Chironomidae	L	-I				
<i>Thremmanimyia</i> group	L	II	2	Cranston 2013	inf. indet. imm	
<i>Pogastia</i>	L	-I	6	Scott Ander 2013		
<i>Orthocladinae</i> 0830000	L	II	2	Cranston 2013	imm	N
<i>Eukiefferiella devonica</i> group	L	II	2	Ander + 3 2013		
<i>Parakiefferiella</i>	L	I	1	"		
<i>Tvetenia bavaria</i> group	L	II	2	Bode 1983		
<i>Orthocladius (Orthocladius)</i>	L	II	2	Ander + 3 2013		N
<i>Chironominae</i> 08330000	L	I	1	Cranston 2013	dam	

> 3 taxa, TVAL ≤ 2.0

23 > (0.1 × 141)