

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

Station Summary		
Waterbody Name MILL CREEK	Waterbody ID Code 1242200	Sample ID (YYYYMMDD-CY-FD) 20180924-25-01
Sampling Location US CTH Y		Database Key 169211126

SWIMS Station ID 10016649	SWIMS Station Name MILL CREEK US CTH-Y		
Latitude 43.0155615	Longitude -90.0348819	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) LOWER WISCONSIN			Datum Used if using GPS WGS84 or NAD83
Watershed Name MILL AND BLUE MOUNDS CREEK		County IOWA	

Sample and Site Descriptors	
Sample Collector (Last Name, First) JEAN UNMUTH	Project Name MEUDT-MILL CREEK & KNIGHT HOLLOW-MILL CR. WATEI

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) 5.0	Estimated Area Sampled (m²) 2.0	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: _____

Water Temp. (C) 17.5	D.O. (mg/l) 10.8	D.O. (% sat.) 117	pH (su) 8.2	Conductivity (umhos/cm) 476	Transparency (cm) 46.0
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Water Color <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <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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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.5	Average Stream Width of reach (m) 4.5
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 40 Gravel (ladybug to tennisball): 20
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: 10 Coarse Woody Debris: _____ Other (_____): _____

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

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicolar</i>	L	III	3	Klob 2016		
B- flavistarsa species complex	L	II	2	"		
<i>Stenonema</i>	L	X	10	"	imm	N
<i>S. intermedium</i>	L	II	2	"		
<i>Maccaffertium terminatum</i>	L	III	4	"		
<i>M. medropunctatum</i>	L	I	5	"		
1/ <i>Brachycentrus occidentalis</i>	L	I	1	Hils 1985		
<i>Cheumatopsyche</i>	L	XIII	13	Hils 1985		
<i>Hydropsychidae</i>	L	I	1	"	imm	N
<i>Hydropsyche betteni</i>	L	III I	1	Schm Hils 1986		
2/ <i>Ceratopsyche glossonae</i>	L	XI	11	"		
<i>C. sparna</i>	L	III	3	"		
<i>Optiosevus fastiditus</i>	L	III	3	Hils Schm 1992		
<i>Stenelmis crenata</i>	A	-I	6	"		
<i>Nemerodromia</i>	L	III	3	Court Merr 2008		
<i>Ephydriidae</i>	P	I	1	Merr webh 2008		
<i>Simulium vittatum</i> species complex 08110217	L	III	3	Adl et al 2004		
<i>Simulium</i>	P	II	2	"		N
<i>Antocha</i>	L	III	4	Hils 1985		
<i>Thienemannella</i>	P	I	1	Ferr et al 2008		
<i>Gammarus pseudolimnacus</i>	A	XI	16	Hils 1972		
<i>Placobdella ornata</i>	A	I	1	Klemm 1985		
<i>Physa</i>	A	I	1	Thorp Reg 2016		
1/ <i>Spitit A3 Chironomidae</i>	L	IV				
<i>Tuctenia bavarica</i> group	L	XIII	13	Bade 1983		
<i>Microtendipes pedellus</i> group	L	III	3	Epl et al 2013		
<i>Conchapelopia</i> 08210700	L	I	1	Cran Epl 2013		
<i>Thienemannimyia</i> group	L	II	7	"	imm	N
<i>Eukiefferiella claripennis</i> group	L	II	2	And + 3 2013		
<i>Orthocladius</i> (orthocladius)	L	I	1	"		
<i>Paratanytarsus</i> species A	L	II	2	Hils unpubl		
<i>Alypedilum</i> (<i>Urespedilum</i>) <i>aviceps</i>	L	III	4	Bolton 2012		
<i>Rheotanytarsus</i>	L	X	10	Epl et al 2013		
<i>Stenochironomus</i>	L	I	1	"		

< 3 taxa, TVAL ≤ 2.0