

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

Station Summary

Waterbody Name CROOKED CREEK	Waterbody ID Code 1205600	Sample ID (YYYYMMDD-CY-FD) 20181031-22-01
Sampling Location DS 5TH 61		Database Key 169821692

SWIMS Station ID 10030032	SWIMS Station Name CROOKED CREEK DOWNSTREAM OF STATE HIGHWAY 61		
Latitude 43.087807	Longitude -90.69103	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER WISCONSIN		Watershed Name GREEN RIVER AND CROOKED CREEK	County GRANT

Sample and Site Descriptors

Sample Collector (Last Name, First) JEAN UNMUTH	Project Name SCR LONG-TERM TREND WADEABLE REFERENCE STREAM
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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) 4.0	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) 11.6	D.O. (mg/l) 11.6	D.O. (% sat.) 106.3	pH (su) 8.0	Conductivity (umhos/cm)	Transparency (cm) 120
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Water Color ☒ Clear ☐ Turbid ☐ Stained	Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)
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Measured Velocity 0.18	circle units m/s or f/s	Average Stream Depth of reach (m) 0.20	Average Stream Width of reach (m) 6.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 60	Gravel (ladybug to tennisball): 30
Sand: _____	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: 5	Leaf Snags: 5	Coarse Woody Debris: _____	Other ():: _____
Embeddedness of Substrate at Sample Site (%) 10		Canopy Cover at Sample Site (%) 50	

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	N	
- Filamentous Algae	PL		Dissolved Oxygen	N	
- Planktonic Algae			Nutrients (P, N...)	N	
Iron Bacteria	N		Toxics: - Inorganic (Metals)		
Macrophytes	N		- Organic (PCBs, pesticides...)		
Slimes	N		Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	
			Point Source - Specify:	N	
			Pasturing of Livestock	N	
Bank Erosion	PH		Runoff: - Barnyard	N	
Channelization: - Upstream			- Construction	N	
- Downstream			- Cropland	PL	
Hydraulic Scour / Channel Incision	PH		- Urban	N	
Impoundment: - Upstream	N		Septic Systems		
- Downstream	N		Tile Drainage - Organic Soils		
Low Flow	N		- Mineral Soils		
Sedimentation	PH		Springs		
Sludge	N		Tributary(s)		
Thermal	N		Wetland		
Turbidity	N		Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

3C = 4
3D = 3
1A, 1D, 1B, 2B =
2E, 2C, 1E, 2D =
2A, 3A, 3B =
1C, 3E =
Total = 274

For Lab Use Only

Sample Sorter Murphy Steinhilber	Taxonomist Dimick, Leffrey	Estimated Percent of Sample Sorted 40%
Date Processed 10/25/2019	Specimens Saved Subsample archived in ABL until Jan 2023	

Wisconsin Department of Natural Resources

ABL SampleNum: 20181031-22-01

Taxonomist: Dimick, Jeffrey

Waterbody: Crooked Creek
SWIMS Database Key: 169821692

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Baetis brunneicollis</i>	L	80-1	66	Kuhn 2016		
<i>Calibaetis</i>	L	"	2	"	imm	
<i>Caenagrionidae</i>	L	1	1	West May 1996	imm	
<i>Brachycentrus occidentalis</i>	L	xiii	13	Hils 1985		
<i>Limnephilidae</i>	L	"	2	Hils 1985	imm	
<i>Laccophilus maculosus</i>	A	1	1	Hils 1992		
<i>Halophilus immaculicollis</i>	A	1	1	Hils Bng 1978		
<i>Simulium vittatum</i> species complex 08110217	L	iii	3	Adl et al 2004		
<i>Cricotopus (Cricotopus)</i>	P	1	1	Cap et al 1986		Y
<i>Gammarus pseudolimnacus</i>	A	8-iii	39	Hols 1972		
<i>Hyaella azteca</i>	A	-iiii	9	Soucek et al 2005		
<i>Careidotea intermedia</i>	A	888 iii	114	Will 1972		
<i>Sigara mathesoni</i>	A	"	2	Hils 1984a		
<i>Tubificinae (without harrisi)</i>	A	1	1	Klamm 1985		
<i>Stagnicola</i>	A	1	1	Brown 1991		
<i>SpittA2 Chironomidae</i>	L	1-250				
<i>Orthocladinae</i> 08300000	L	1	1	Conston 2013	imm	N
<i>Brillia</i>	L	"	2	And + 3 2013	imm	N
<i>B. Flavifrons</i>	L	1	1	Epler 2001		
<i>Corynoneura</i>	L	"	2	And + 3 2013		
<i>Cricotopus (Cricotopus) hienobus</i> group	L	1	1	"		
<i>Euketperiella clarennis</i> group	L	1	1	"		
<i>Limnophyes</i>	L	1	1	"		
<i>Orthocladus (Orthocladus)</i>	L	1	1	"		
<i>Micropsectra</i>	L	1	5	Epl et al 2013		
<i>Paratanytarsus longistylus</i>	L	1	1	"		
<i>Paratendipes</i>	L	1	1	"		
<i>Polypedilum</i>	L	"	2	"	dam	N
<i>P. (Polypedilum) illinoense</i> group	L	1	1	Bolton 2012		
<i>P. (Uresipedilum) auriceps</i>	L	iii	4	"		
<i>Rheotanytarsus</i>	L	-1	6	Epl et al 2013		

23 taxa, TVAL = 2.0