State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
ROWAN CREEK	1263700	20190930-11-01

Sampling Location: ~80m upstream of STH 51

Database Key: 212664978

SWIMS Station ID	**SWIMS Station Name**
10016029	ROWAN CREEK - 20 M US HWY 51

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.38668	-89.39429	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
LOWER WISCONSIN	LAKE WISCONSIN	COLUMBIA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KIMBERLY KUBER	SCR LONG-TERM TREND WADEABLE REFERENCE STREAM:

Sampling Device

- [X] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [X] Riffle
- [ ] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** ____ **of** ____
1	1	1	

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [X] Trend
- [ ] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
14.9	10.35	103.0	8.09	562	

Water Color

- [X] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [X] Fast (> 0.5 m/s)

Measured Velocity circle units m/s **or** f/s	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 40

Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) N/A **Canopy Cover at Sample Site (%)** 0

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Naas, Eric	Dimick, Jeffrey	11.7%
Date Processed	**Specimens Saved**	
10/28/2020	Subsample archived in ABL until Dec 2023	

B2Q1 E1Q2 B2Q4 E2Q1 B2Q2 E2Q4 B2Q3
17 18 24 28 14 17 17 = 135

1/2 caddis 1
1/2 scud 1
small riffle 1
midge 1

Wisconsin Department of Natural Resources
ABL SampleNum: **20190930-11-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **Rowan Creek**
SWIMS Database Key: **212664978**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	MerrCummB 2019	dam	N
B. brunneicolor	L	XIII	13	Klub 2016		
B. tricaudatus	L	III	3	"		
B. flavistriga species complex	L	I	1	"		
Stenacron	L	I	1	MerrCummB 2019		
Ceratopsyche slossonae	L	5 IIII	34	SchmHils 1986		
Cheumatopsyche	L	-IIII	9	MerrCummB 2019		
Hydropsyche	L	I	1	Hils 1985	immm	
Lepidostoma	L	I	1	MerrCummB 2019		
Oecetis	L	I	1	"		
Optioservus	L	IIII	4	"	imm	N
O. fastiditus L,3 A,1	L,A	IIII	4	HilsSchm 1992		
Diceratota	L	II	2	MerrCummB 2019		
Gammarus pseudolimnaeus	A	8 III	43	Hoks 1972		
Leberdia	A	I	1	Peck et al 1999		
Dugesiidae	A	I	1	ThorpRog 2016		
Tubificinae (without hairs)	A	I	1	KathBorn 1998		
Physa	A	XII	12	ThorpRog 2016		
~~Subfz Chironomidae~~	L	III JHJ				
Tvetenia bavarica group	L	II		Bode 1983		
Microtendipes pedellus group	L	-III		And et al 2013		
Thienemanniella group	L	I		"	immm	
Orthocladius	L	I		"	imm	
Parakiefferiella	L	I		"		