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)**
KINNICKINNIC RIVER	2601800	20201202-48-02

Sampling Location: SAMPLED RIFFLE ABOVE THE ISLAND U.S. FROM CONFLUENCE WITH ROCKY RUN

Database Key: 256826604

SWIMS Station ID	**SWIMS Station Name**
10020720	KINNICKINNIC RIVER-GLEN PARK

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

Basin (WMU)	**Watershed Name**	**County**
ST. CROIX	KINNICKINNIC RIVER	PIERCE

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
KURT RASMUSSEN	RESPONSE MONITORING - 319 WATERSHED

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.**
1	1	—	1 of 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
3.2	13.34	99.9	7.93	489.2	82.0

Water Color

- [x] Clear
- [x] 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)**
—	0.2	10 M

Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 60 Gravel (ladybug to tennisball): 20

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 (%)** 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
Biological		
Algae: - Diatoms / Periphyton	N	N
- Filamentous Algae	N	N
- Planktonic Algae	N	N
Iron Bacteria	N	N
Macrophytes	N	N
Slimes	N	N
Other - Specify:	N	N
Physical		
Bank Erosion	PH	PL
Channelization: - Upstream	N	N
- Downstream	N	N
Hydraulic Scour / Channel Incision	PH	N
Impoundment: - Upstream	PH	PL
- Downstream	N	N
Low Flow	N	N
Sedimentation	PH	PL
Sludge	N	N
Thermal	N	N
Turbidity	PH	N
Other - Specify:	N	N

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine	N	N
Dissolved Oxygen	N	N
Nutrients (P, N...)	N	N
Toxics: - Inorganic (Metals)	N	N
- Organic (PCBs, pesticides...)	N	N
Other - Specify:	N	N
Sources of Stream Impacts		
Bank Erosion	PH	PL
Point Source - Specify:	PL	N
Pasturing of Livestock	N	N
Runoff: - Barnyard	N	N
- Construction	N	N
- Cropland	N	N
- Urban	N	N
Septic Systems	N	N
Tile Drainage - Organic Soils	N	N
- Mineral Soils	N	N
Springs	N	N
Tributary(s)	N	N
Wetland	N	N
Other - Specify:	N	N

Comments

THIS SAMPLE WAS TAKEN POST EMERGENCY DRAWDOWN OF LAKE LOOSE.

Special Instructions for Laboratory

SAMPLE COLLECTED IN 319 ELIGIBLE WATERSHED

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Dunn, Isabel	Dimick, Jeffrey	14.10%
Date Processed	**Specimens Saved**	
9/30/2024	Subsample archived in ABL until Oct 2024	

5:45 - 8:30

CH BI BS2

4 2]25 1 4]26 3-18 1

1 3]33 3 2]34 2 4

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Wisconsin Department of Natural Resources
ABL SampleNum: **20201202-48-02**
Taxonomist: Dimick, Jeffrey

Waterbody: **Kinnickinnic River**
SWIMS Database Key: **256826604**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis tricaudatus	L	II	2	Klub 2016		
Hydropsychidae	L	II	2	MCB 2019	imm	N
Ceratopsyche	L	IIII	4	Hils 1995	imm	N
C. alhedra	L	I	1	Schm Hils 1986		
C. alternans	L	OX OO-I	76	"		
C. slossonae	L	III	3	"		
Ephemeroptera	L	I	1	MCB 2019	imm	N
Optioservus fastiditus L, 9 A, 1	L,A	X	10	Hils Schm 1992		
Naidinae	A	X-II	17	Kath Brin 1998		
Tubificinae (without hairs)	A	I	1	"		
~~Spirotheca Chironomidae~~	L	0-II				
Diamesa	L	I	1	And et al 2013		
Pagastia	L	III	3	"		
Eukiefferiella devonica group	L	III	3	"		
Tvetenia bavarica group	L	II	2	Bode 1983		
Micropsectra pedellus group	L	I	1	And et al 2013		
Orthocladiinae	L	III	3	"	pupae/ mt indet	N
Eukiefferiella brehmi group	L	IIII	4	"		
Orthocladius (Orthocladius)	L	I	1	"		
Tvetenia discoloripes group	L	I	1	Bode 1983		
Polypedilum (Uresipedilum) aviceps	L	X III	14	Bolton 2012		