State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.w i.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)**
CRYSTAL RIVER	258200	20161018-69-05

Sampling Location: US Sanders Rd

Database Key: 133649623

SWIMS Station ID	**SWIMS Station Name**
10042816	CRYSTAL RIVER AT SANDERS RD

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
44.3076354	-89.1433626	SWIMS SWDV GPS	WGS84 or NAD83

Basin (WMU)	**Watershed Name**	**County**
WOLF RIVER	WAUPACA RIVER	WAUPACA

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
DAVID BOLHA	CRYSTAL RIVER AND WAUPACA CHAIN OF LAKES TWA [SE

Sampling Device

- [X] 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**
5	4	1	1 / 1

Reason For Sampling

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

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (%sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
60.4 F (15.8 C)	11.31	115.6	8.00	365.2	120

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)**
	0.3	17

Composition of Substrate Sampled (Percent):

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

Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____

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

Embeddedness of Substrate at Sample Site (%) 10 **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	N	N	Chlorine	N	N
- Filamentous Algae	N	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	N	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:	N*	
Other - Specify:			**Sources of Stream Impacts**		
			Bank Erosion	N	PL
Physical			Point Source - Specify:	N	N
Bank Erosion	N	PL	Pasturing of Livestock	N	N
Channelization: - Upstream	N	PL	Runoff: - Barnyard	N	N
- Dow nstream	N	N	- Construction	N	N
Hydraulic Scour / Channel Incision	N	N	- Cropland	N	PL
Impoundment: - Upstream	PH	PH	- Urban	N	N
- Dow nstream	PH	PH	Septic Systems	N	N
Low Flow	N	N	Tile Drainage - Organic Soils	N	N
Sedimentation	PL	PL	- Mineral Soils	N	N
Sludge	N	N	Springs	N	N
Thermal	PH	PH	Tributary(s)	PL	PL
Turbidity	N	N	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Justin Kowalski	Taxonomist: K Kamke	Estimated Percent of Sample Sorted: 27%
Date Processed: 2/9/17	Specimens Saved	

B2 A2 C3 E1 D2
33 45 35 55