

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name EMMONS CREEK			Waterbody ID Code 261300		Sample ID (YYYYMMDD-CY-FD) 2016/01/8-61-02
Sampling Location US West Rd.				Database Key 133649627	
SWIMS Station ID 10022518		SWIMS Station Name EMMONS CREEK - WEST RD.			
Latitude 44.30772	Longitude -89.20416		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) WOLF RIVER		Watershed Name WAUPACA RIVER		County WAUPACA	
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name CRYSTAL RIVER AND WAUPACA CHAIN OF LAKES TWA [SE		
Sampling Device					
☒ 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) 3		Estimated Area Sampled (m ²) 3		Number of Samples in Composite 1	
				Replicate No. 1 of 1	
Reason For Sampling					
☐ Least Impacted Reference ☒ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____					
Water Temp. (°C) 11.9°C 53.4 F	D.O. (mg/l) 9.93	D.O. (%sat.) 93.1	pH (su) 7.92	Conductivity (umhos/cm) 375.2	Transparency (cm) 120
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 0.8		Average Stream Width of reach (m) 4	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 10	
Sand: 10		Clay: _____		Gravel (ladybug to tennisball): 80	
Silt/Muck: _____		Overhanging Vegetation: _____			
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (____): _____					
Embeddedness of Substrate at Sample Site (%) 50		Canopy Cover at Sample Site (%) 0			

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Baylowicz	Taxonomist K Kamke	Estimated Percent of Sample Sorted 7%
Date Processed 2/8/17	Specimens Saved	

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