

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name HARTMAN CREEK			Waterbody ID Code 263000		Sample ID (YYYYMMDD-CY-FD) 2016/018-69-01
Sampling Location US Rural Rd				Database Key 133649631	
SWIMS Station ID 693117		SWIMS Station Name HARTMAN CREEK AT RURAL ROAD			
Latitude 44.326614	Longitude -89.19982	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) 2		Estimated Area Sampled (m ²) 1.5		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) 15.7°C 60.2 F	D.O. (mg/l) 9.19	D.O. (%sat.) 93.5	pH (su) 7.7	Conductivity (umhos/cm) 381.0	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) 0.2		Average Stream Width of reach (m) 3	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 10	
Sand: 40		Clay: _____		Gravel (ladybug to tennisball): 40	
Aquatic Macrophytes: 10		Leaf Snags: _____		Silt/Muck: _____	
Coarse Woody Debris: _____		Overhanging Vegetation: _____		Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 40			Canopy Cover at Sample Site (%) 20		

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	PL	PL	Chlorine	N	N
- Filamentous Algae	PL	PL	Dissolved Oxygen	PL	N
- Planktonic Algae	N	N	Nutrients (P, N...)	N	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PL	PL	- 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	N	N
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	PH	PH	Septic Systems	N	N
- Downstream	PL	PL	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PH	PH	Springs	N	N
Sludge	N	N	Tributary(s)	PL	PL
Thermal	PH	PH	Wetland	N	N
Turbidity	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 7%
Date Processed 2/7/17	Specimens Saved	

130 C2