

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name CRYSTAL RIVER			Waterbody ID Code 258200		Sample ID (YYYYMMDD-CY-FD) 2016/018-69-06
Sampling Location US Shadow Lake Rd				Database Key 133649615	
SWIMS Station ID 10016457		SWIMS Station Name CRYSTAL RIVER - SHADOW LAKE ROAD			
Latitude 44.3194161	Longitude -89.0976408	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) 5		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) 15.3°C	D.O. (mg/l) 59.5 F	D.O. (%sat.) 10.93	pH (su) 110.5	Conductivity (umhos/cm) 8.12	Transparency (cm) 370.9
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) 1.1		Average Stream Width of reach (m) 10	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): _____	
Sand: 10		Clay: _____		Gravel (ladybug to tennisball): 90	
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		

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	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	PL	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	PL	PH	Septic Systems	N	N
- Downstream	PH	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	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 Andrew Kohlmann	Taxonomist K. Kamke	Estimated Percent of Sample Sorted 20%
Date Processed 2/9/17	Specimens Saved	

C3 - 37
D3 - 95
B1 - 129