

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name CRYSTAL RIVER			Waterbody ID Code 258200		Sample ID (YYYYMMDD-CY-FD) 20161018-69-08
Sampling Location DS Cary Millpond				Database Key 133649611	
SWIMS Station ID 10029308		SWIMS Station Name CRYSTAL RIVER BELOW DAM IN WAUPACA			
Latitude 43°29' N 44°20'34.5"	Longitude 89°06'55.6" W 89°3'59.3"	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>		Datum Used if using GPS <u>WGS84</u> 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) 4		Estimated Area Sampled (m ²) 2.5		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) 15.9°C 60.6 F	D.O. (mg/l) 9.42	D.O. (% sat.) 96.4	pH (su) 7.76	Conductivity (umhos/cm) 386.5	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) 0.5		Average Stream Width of reach (m) 16	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____		Rubble (tennisball to basketball): 30	
Sand: 10		Clay: _____		Gravel (ladybug to tennisball): 60	
Silt/Muck: _____		Overhanging Vegetation: _____			
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (): _____					
Embeddedness of Substrate at Sample Site (%) 10		Canopy Cover at Sample Site (%) 30			

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	N
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	PL	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	PL	N
Impoundment: - Upstream	PH	PH	Septic Systems	N	N
- Downstream	N	PH	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 Cade Olson	Taxonomist K Kamke	Estimated Percent of Sample Sorted 13%
Date Processed 2/13/17	Specimens Saved	

C2:69
B3:85
=154