

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name CRYSTAL RIVER			Waterbody ID Code 258200		Sample ID (YYYYMMDD-CY-FD) 20161018-69-04
Sampling Location US HWY 22				Database Key 134803159	
SWIMS Station ID 693118		SWIMS Station Name CRYSTAL RIVER AT HWY 22			
Latitude 44.3130894	Longitude -89.1631835		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) 7	Estimated Area Sampled (m ²) 4.5		Number of Samples in Composite 1		Replicate No. _____ of _____
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) 10.96	D.O. (%sat.) 111.8	pH (su) 8.01	Conductivity (umhos/cm) 359.4	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) 0.6		Average Stream Width of reach (m) 18	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 40	Gravel (ladybug to tennisball): 40	
Sand: 20		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 30		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	PL	N	Chlorine	N	N
- Filamentous Algae	PL	PL	Dissolved Oxygen	N	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	PL
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	PL	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	PL	PL	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	PL
Impoundment: - Upstream	N PH	N PH	Septic Systems	N	N
- Downstream	PH	PH	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)	N	N
Thermal	N PH	N PH	Wetland	N	N
Turbidity	N	N	Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>K Kamke</i>	Estimated Percent of Sample Sorted
Date Processed <i>2/9/17</i>	Specimens Saved	

E3 145