

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name TOMORROW RIVER			Waterbody ID Code 270400		Sample ID (YYYYMMDD-CY-FD) 20161007-50-02
Sampling Location DS CTY I				Database Key 133783554	
SWIMS Station ID 10047118		SWIMS Station Name TOMORROW RIVER DS CTY I			
Latitude 44.5612553	Longitude -89.3533065		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 PORTAGE
Sample and Site Descriptors					
Sample Collector (Last Name, First) DAVID BOLHA			Project Name WAUPACA/TOMORROW TWA [SECTION 319] 2016		
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) 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) 55.1	D.O. (mg/l) 8.63	D.O. (% sat.) 81.4	pH (su) 7.60	Conductivity (umhos/cm) 380.7	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) 3.5	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 30	Gravel (ladybug to tennisball): 50	
Sand: 10		Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 10 Canopy Cover at Sample Site (%) 80					

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	PH	N	Dissolved Oxygen	N	N
- Planktonic Algae	N	N	Nutrients (P, N...)	PL	N
Iron Bacteria	N	N	Toxics: - Inorganic (Metals)	N	N
Macrophytes	PH	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	N
			Point Source - Specify:	N	N
			Pasturing of Livestock	PH	PL
Bank Erosion	PL	N	Runoff: - Barnyard	PH	PL
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	PL	N
- Downstream	N	N	Tile Drainage - Organic Soils	N	N
Low Flow	N	N	- Mineral Soils	N	N
Sedimentation	PH	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 Andrew Kohlmann	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 27%
Date Processed 2/13/17	Specimens Saved Subsample archived in ABC until Jun 2020	

D3-32
C-1-74 C-2-167
A3-116