

Instructions: **Bold** fields must be completed.

Station Summary		
Waterbody Name MACK CREEK	Waterbody ID Code 267300	Sample ID (YYYYMMDD-CY-FD) 2016/011-50-02

Sampling Location DS Maves Rd; DS Maves Farm	Database Key 133783526
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SWIMS Station ID 10039114	SWIMS Station Name MACK CREEK @ MAVES ROAD
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Latitude 44.386368	Longitude -89.350685	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) WOLF RIVER	Watershed Name WAUPACA RIVER	County PORTAGE
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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) 2	Estimated Area Sampled (m²) 1.5	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

Least Impacted Reference
 Baseline
 Impact / Treatment Site
 Control Site
 Trend
 Other: _____

Water Temp. (°C) 55.4	D.O. (mg/l) 9.82	D.O. (% sat.) 92.3	pH (su) 7.57	Conductivity (umhos/cm) 341.7	Transparency (cm) 64
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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) 0.1	Average Stream Width of reach (m) 1.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 30
 Sand: 20 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____
 Embeddedness of Substrate at Sample Site (%) 20 Canopy Cover at Sample Site (%) 0

13.2°C

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		PH	PH	Chlorine		N	N
- Filamentous Algae		PH	PL	Dissolved Oxygen		N	N
- Planktonic Algae		N	N	Nutrients (P, N...)		PL	PL
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		PH	PH
				Point Source - Specify:		N	N
Physical							
Bank Erosion		PH	PH	Pasturing of Livestock		PH	PH
Channelization: - Upstream		PH	PH	Runoff: - Barnyard		PH	PH
- Downstream		N	N	- Construction		N	N
Hydraulic Scour / Channel Incision		N	N	- Cropland		PL	PL
Impoundment: - Upstream		N	N	- Urban		N	N
- Downstream		PL	PL	Septic Systems		N	N
Low Flow		N	N	Tile Drainage - Organic Soils		N	N
Sedimentation		PH	PH	- Mineral Soils		N	N
Sludge		N	N	Springs		PL	PL
Thermal		N	N	Tributary(s)		N	N
Turbidity		PL	PL	Wetland		N	N
Other - Specify:				Other - Specify:			

Comments

Upstream to Headwaters streambanks and floodplain heavily pastured by dairy farms

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Andrew Kohlmann</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>2/16/17</i>	Specimens Saved <i>subsample archived in ABC until Jun 2020</i>	

*CZ-81
 DS-138*