

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

Station Summary		
Waterbody Name MACK CREEK	Waterbody ID Code 267300	Sample ID (YYYYMMDD-CY-FD) 20161011-50-01

Sampling Location Co Spring Lake Rd	Database Key 133783530
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SWIMS Station ID 10044738	SWIMS Station Name MACK CREEK AT SPRING LAKE RD US 200 METERS FROM SPRING LAKE
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Latitude 44.3917065	Longitude -89.339428	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) 4	Estimated Area Sampled (m²) 2.5	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) 51.3	D.O. (mg/l) 10.00	D.O. (% sat.) 89.6	pH (su) 7.49	Conductivity (umhos/cm) 384.2	Transparency (cm) 120
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.4	Average Stream Width of reach (m) 2.0
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 10
 Sand: 70 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 10 Leaf Snags: _____ Coarse Woody Debris: 10 Other (____): _____
 Embeddedness of Substrate at Sample Site (%) 100 Canopy Cover at Sample Site (%) 10

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	PH
Physical			Point Source - Specify:	N	N
Bank Erosion	N	PH	Pasturing of Livestock	PH	PH
Channelization: - Upstream	N	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	N	N	Wetland	N	N
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Codie Olson	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 47%
Date Processed 2/16/17	Specimens Saved Subsample archived in ABC until Jun 2020	

E1: 15 B3: 23 D1: 17 E2: 25 A3: E3:
 C2: 18 B1: 17 C3: 20 A1: C1: D2: = 135