

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name RADLEY CREEK	Waterbody ID Code 259300	Sample ID (YYYYMMDD-CY-FD) 20161018-1761-03
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Sampling Location US Dayton Rd.	Database Key 133649599
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SWIMS Station ID 10013685	SWIMS Station Name RADLEY CREEK-DAYTON RD.
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Latitude 44.289772	Longitude -89.1663	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 WAUPACA
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Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016
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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) 3	Estimated Area Sampled (m²) 2	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) 55.3	D.O. (mg/l) 9.82	D.O. (% sat.) 94.4	pH (su) 7.83	Conductivity (umhos/cm) 373.8	Transparency (cm) 120
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.8	Average Stream Width of reach (m) 5
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 20	Gravel (ladybug to tennisball): 70
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Sand: 10	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
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Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other ():: _____
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Embeddedness of Substrate at Sample Site (%) 30	Canopy Cover at Sample Site (%) 0
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Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

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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	Watershed	Factors that may be influencing Water Resource Integrity	Local	Watershed
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	PL	N	- Organic (PCBs, pesticides...)	N	N
Slimes	N	N	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	N
			Point Source - Specify:	N	N
Physical			Pasturing of Livestock	N	N
Bank Erosion	N	N	Runoff: - Barnyard	N	N
Channelization: - Upstream	N	N	- Construction	N	N
- Downstream	N	N	- Cropland	N	PL
Hydraulic Scour / Channel Incision	N	N	- Urban	N	N
Impoundment: - Upstream	N	N	Septic Systems	N	N
- Downstream	PL	PL	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	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 Taylor Haze	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4-27-17	Specimens Saved Subsample archived in ABC until Oct 2020	

D1 114
E2 106

Wisconsin Department of Natural Resources

ABL SampleNum: 20161018-69-03

Taxonomist: Dimick, Jeffrey

 Waterbody: Radley Creek
 SWIMS Database Key: 133649599

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	11	2	Hilsenhoff 1995	imm	
Baetis brunneicollis	L	11	2	Kubertanz 2016		
B. flavistriga species complex	L	11	2	"		
Baetisca Baetisca	L	1	1	"	imm	
Stenacron	L	1	1	"	imm	
Maccaffertium vivarium	L	111	3	"		
Brachycentrus americanus	L	1	1	Hilsenhoff 1995		
Br. occidentalis	L	1111	4	"		
Cheumatopsyche	L	0111	23	Hilsenhoff 1995		
Hydropsyche betteni	L	1	1	Schm., Hils. 1986		
Ceratopsyche	L	1	1	Hilsenhoff 1995	dam	N
C. slovicanae	L	x-1	15	Schm., Hils. 1986		
C. sparsa	L	-111	8	"		
Hydroptila	L	1	1	Hilsenhoff 1995		
Microsema	L	1	1	Hilsenhoff 1995	imm	
Limnephilidae	L	1	1	Hilsenhoff 1995	imm	
Neophylax	L	11	2	"	imm	
Nicomeles semicornis	L	111	3	Neunzig 1966		
Opiosericus	L	x-111	18	Hils., Schm. 1992	imm	N
O. fastidius L, 11 A.1	L/A	x11	12	"		
Demerodromia	L	1	1	Court. Merr. 2008		
Antocha	L	2-111	28	Hilsenhoff 1995		
Hexatoma	L	1	1	"		
Gammarus pseudolimnaeus	A	x-1	16	Holsinger 1972		
Naididae	A	-	5	Benn, Gek. 1991		
Tubificinae w/o capilliform chaetae	A	11	2	Klemm 1985		
Sphaerium	A	1	1	Bruch 1972		
Split 13 Chironomidae	L	1-111				
Cricotopus (Cricotopus)	P	1	1	Fennel et al 2008	coll. et al	1986 N
Diamesa	L	1	1	Smith, Ander. 2013		
Pagastia	L	11	2	"		
Brillia	L	1	1	Ander + 3 2013	imm	
Rhyssomyia	L	1	1	"		
Tuctenia (Tuctenia)	L	1	1	"	dam	
Orthocladius (Orthocladius)	L	11	2	"		
Cricotopus (Cricotopus) bicinctus group	L	1	1	"		

Taxonomist: Dimick, Jeffrey

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[illegible]