

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name BADFISH CREEK	Waterbody ID Code 799500	Sample ID (YYYYMMDD-CY-FD) 20190924-54-04
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Sampling Location 170 m upstream STH 59 (lower crossing)	Database Key 212666282
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SWIMS Station ID 543057	SWIMS Station Name BADFISH CREEK AT STH 59 BRIDGE
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Latitude 42.83260	Longitude -89.19885	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
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Basin (WMU) LOWER ROCK	Watershed Name BADFISH CREEK	County ROCK
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Sample and Site Descriptors

Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORING
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Sampling Device

D-Frame 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) 1	Estimated Area Sampled (m²) 1	Number of Samples in Composite 1	Replicate No. _____ of _____
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Reason For Sampling

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

Water Temp. (C) 18.7	D.O. (mg/l) 9.98	D.O. (% sat.) 106.8	pH (su) 8.20	Conductivity (umhos/cm) 913	Transparency (cm)
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Water Color <input 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 checked="" 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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): 80
 Sand: 20 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 (%) 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				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
Bank Erosion				Runoff: - Barnyard			
Channelization: - Upstream				- Construction			
- Downstream				- Cropland			
Hydraulic Scour / Channel Incision				- Urban			
Impoundment: - Upstream				Septic Systems			
- Downstream				Tile Drainage - Organic Soils			
Low Flow				- Mineral Soils			
Sedimentation				Springs			
Sludge				Tributary(s)			
Thermal				Wetland			
Turbidity				Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Eric Noos</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>7/22/2020</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2023</i>	

01 E2 C1
51 28 50 = 129

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	I	1	MeerLamm B 2019	dam	N
B. flavistriga species complex	L	III	3	Krebs 2016		
Hydropsychidae	L	III	3	MeerLamm B 2019	imm	N
Ceratopsyche	L	III	12	Hols 1995	dam/imm	N
Ceratopsyche	P	I	1	Rutner 1985		N
C. brenta	L	III	33	Schm Hols 1986		
C. morosa bifida form	L	I	1	"		
Cnemidopsycha	L	II	2	MeerLamm B 2019		
Hydropsyche hetti	L	III	19	Schm Hols 1986		
Oliosenus	L	I	1	MeerLamm B 2019	imm	
Stenelmis	L	II	2	"		
Simulium vittatum species complex 08110217	L	III	4	Adl et al 2004		
Cricotopus	P	I	1	MeerLamm B 2019		N
Polypedium	P	I	1	"		N
Gammarus pseudolimnacus	A	I	1	Hols 1972		
Caecidotea intermedia	A	II	7	Will 1972		
Dugesidae	A	II	27	Thorp Bog 2016		
Tubificonae (without hairs)	A	III	3	Braunfeld 1991		
Sitt A2 Chironomidae	L	0-III	30			
Cricotopus (Cricotopus) trifascia group	L	III	8	And et al 2013		
Taenion discoloripes group	L	III	4	Bode 1983		
Cladotanytarsus	L	III	3	And et al 2013		
Microtanydres pedellus group	L	III	3	"		
Thienemannimyia group	L	I	1	"	imm	
Thienemannella similis	L	I	1	Bolton 2012		
Chironominae 08330000	L	I	1	And et al 2013	dam	N
Polypedium (Uresipedium) flavum	L	II	26	Bolton 2012		