

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name BADFISH CREEK		Waterbody ID Code 799500	Sample ID (YYYYMMDD-CY-FD) 20181017-54-03
Sampling Location 10 m upstream of STH 138			Database Key 169818966
SWIMS Station ID 10051559		SWIMS Station Name BADFISH CREEK AT STH 138	
Latitude 42.83940	Longitude 89.24087	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER ROCK		Watershed Name BADFISH CREEK	County ROCK

Sample and Site Descriptors	
Sample Collector (Last Name, First) AMRHEIN, JAMES	Project Name NEVIN HATCHERY ADAPTIVE MANAGEMENT MONITORING

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) 5	Estimated Area Sampled (m²) 2	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) 11.5	D.O. (mg/l) 10.22	D.O. (% sat.) 93.5	pH (su) 8.14	Conductivity (umhos/cm) 1007	Transparency (cm)
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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)	Average Stream Width of reach (m)
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 40
 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

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			
Channelization: - Upstream				Runoff: - Barnyard			
- Downstream				- Construction			
Hydraulic Scour / Channel Incision				- Cropland			
Impoundment: - Upstream				- Urban			
- Downstream				Septic Systems			
Low Flow				Tile Drainage - Organic Soils			
Sedimentation				- Mineral Soils			
Sludge				Springs			
Thermal				Tributary(s)			
Turbidity				Wetland			
Other - Specify:				Other - Specify:			

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter Loann Cutler	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 53%
Date Processed 6/18/19	Specimens Saved 17 + 14 + 26 + 20 + 18 + 12 + 10 + 20 = 137	

A3 E1 C3 B3 E2 C2 E3 B1 Total

Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Taeniopteryx	L	1	1	Hils 1995	imm	
Baetis brunneicolar	L	1	1	Kleb 2016		
B. flavistriga species complex	L	-	5	"		
Acentrella parvula	L		4	"		
Colepteryx maculata	L	1	1	West May 1996		
Cheumatopsyche	L	-11	7	Hils 1995		
Hydropsyche betteni	L	x11	13	Schm Hils 1986		
Ceratopsyche	L	-1	6	Hils 1995	imm	N
C. bronata	L	0-	25	Schm Hils 1986		
C. macosa bifida form	L	-11	7	"		
Opiocercus fastiditus	A	1	1	Hils Schm 1992		
Stenelmis	L		3	"		N
S. crenata	A		3	"		
Liodessus affinis	A	1	1	Hils 1994		
Simulium vittatum species complex 08110217	L	x11	17	Adl et al 2004		
Simulium	P	1	1	"		N
Pilarra	L	1	1	Hils 1995		
Parakiefferiella	P	1	1	Ferr et al 2008		
Cricotopus (Cricotopus)	P	1	1	off et al 1986		N
Gammarus pseudolimnacus	A	-1	6	Hols 1972		
Caecidotea intermedia	A	-	5	Will 1972		
Mermithidae	A	x1111	14	Thorp 2016	imm	
Dugesidae	A	-111	8	"		
Tubificinae (without hairs)	A		3	Klemm 1985		
Split A2 Chironomidae	L	♂ + JJD				
Microtendipes pedellus group	L		2	Epl et al 2013		
Nanocladius (Nanocladius)	L	1	1	And + 3 2013	imm	
Orthocladius (Orthocladius)	L		3	"		
Cricotopus (Cricotopus) tremulus group	L		3	"		
C. (C.) trifascia group	L		4	"		
Cladotanytarsus	L	-1111	9	Epl et al 2013		
Paratanytarsus sp. A	L		2	Hils Unpubl		
Polypedilum (Uresipidilum) flavum ^{JJD} flavum	L	-11	7	Bolton 2012		
Rhytanytarsus	L		2	Epl et al 2013		

< 3 taxa, TVAL ≤ 2.0