

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

Station Summary

Waterbody Name KING CREEK	Waterbody ID Code 1826200	Sample ID (YYYYMMDD-CY-FD) 20181107-62-02
Sampling Location		Database Key 169214920

SWIMS Station ID 10041476	SWIMS Station Name KING CR US OF BROWN RD FISH STATION		
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Latitude 44.53901	Longitude -91.23545	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) BUFFALO - TREMPPEALEAU	Watershed Name UPPER BUFFALO RIVER	County TREMPPEALEAU
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Sample and Site Descriptors

Sample Collector (Last Name, First) CAMILLE BRUHN	Project Name WEST DISTRICT NC STREAM STRATIFIED SITES 2018
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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) 12	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: Natural Community Stratified Random

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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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 checked="" 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) 1	Average Stream Width of reach (m) 2
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: 30 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 70 Leaf Snags: _____ Coarse Woody Debris: _____ Other (): _____

Embeddedness of Substrate at Sample Site (%) n/a
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...)	PL	PI
Iron Bacteria	n	n	Toxics: - Inorganic (Metals)	n	n
Macrophytes	PL	PI	- Organic (PCBs, pesticides...)	n	n
Slimes	n	n	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PL	PI
			Point Source - Specify:	n	n
Physical			Pasturing of Livestock	n	n
Bank Erosion	PL	PL	Runoff: - Barnyard	n	n
Channelization: - Upstream	PH	U	- Construction	n	n
- Downstream	N	U	- Cropland	PL	PI
Hydraulic Scour / Channel Incision	PL	PI	- Urban	n	n
Impoundment: - Upstream	n	U	Septic Systems	n	U
- Downstream	n	U	Tile Drainage - Organic Soils	U	U
Low Flow	n	n	- Mineral Soils	U	U
Sedimentation	PL	PI	Springs	U	U
Sludge	n	n	Tributary(s)	U	U
Thermal	U	n	Wetland	n	U
Turbidity	n	PI?	Other - Specify:		
Other - Specify:					

Comments

no riffles present. Collected from overhanging veg.

Special Instructions for Laboratory

40
 3C = 20 3A, 1E = 29 3B = 19
 2C, 1B = 26 3D = 11 1D = 23 Total = 128

For Lab Use Only

Sample Sorter Murphy Stehinger	Taxonomist Drmick, Jeffrey	Estimated Percent of Sample Sorted 53%
Date Processed 9/19/2019	Specimens Saved Subsample archived in ABC until Dec 2022	

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Amphixerura	L	ii	2	Hils 1995	imm	
Taeniopteryx	L	i	1	"	imm	
Ephemera	L	i	1	Kich 2016	imm	
Maccaffertium vitatum	L	ii	2	"		
Leptophlebia	L	ii	2	"		
Brachycentrus occidentalis	L	iiii	4	Hils 1985		
Diplectrona modesta	L	ii	2	Hils 1985		
Zemphillidae	L	i	1	"	imm	N
Pycnopsyche	L	i	1	"		
Ptilostomis	L	ii	2	"		
Lynx diversa	L	iii	3	"		
Stilobezzia	L	i	1	"		
Neoplasta	L	i	1	Gourt Merr 2008		
Gammarus pseudolimnaeus	A	BB-iii	BB	Hils 1972		
Caecidotea racovitzai racovitzai	A	ii	2	Will 1972		
Dugesiiidae	A	i	1	Thorp Rog 2016		
Pisidium	A	i	1	Mackie 2007		
Spit A3 Chironomidae	L	ii-JJD				
Meronelepis	L	iii	3	Crown Epl 2013		
Thienemannimyia group	L	ii	2	"	imm	N
Orthocladiinae BB300000	L	i	1	Cranston 2013	mt mdat	Y
Brillia	L	i	1	And + 3 2013	mt mdat	
Limnophyes	L	i	1	"		
Paratanytarsus longistilus	L	i	1	Epl et al 2013		
Polypedilum (Polypedilum)	L	i	1	"	mt mdat	Y
P. (P.) illinoense group	L	i	1	Boitca 2012		
P. (Triopdura) scaldenum group	L	i	1	"		
P. (Unesipedilum) auriceps	L	iii	4	"		
Pneotanytarsus	L	i	1	Epl et al 2013		