

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name LOTZ CREEK	Waterbody ID Code 2156100	Sample ID (YYYYMMDD-CY-FD) 20191113-09-01
Sampling Location US culverts 3m		Database Key 212996086

SWIMS Station ID 10008707	SWIMS Station Name 2 - LOTZ CREEK - 290TH ST.		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA	Watershed Name LOWER YELLOW (CHIPPEWA CO.) RIVER	County CHIPPEWA	

Sample and Site Descriptors

Sample Collector (Last Name, First) MYCAL RALEIGH	Project Name LOTZ CREEK-YELLOW RIVER/PIKE CREEK TWA 2019
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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 (m ²) 1.5	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: TWA

Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	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)
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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) 1m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 90	Gravel (ladybug to tennisball): 5
Sand: 5	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (): _____

Embeddedness of Substrate at Sample Site (%) 0	Canopy Cover at Sample Site (%) 0
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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	Water-shed	Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton	PL	U	Chlorine	U	U
- Filamentous Algae	PL	U	Dissolved Oxygen	U	U
- Planktonic Algae	N	U	Nutrients (P, N...)	U	U
Iron Bacteria	N	U	Toxics: - Inorganic (Metals)	U	U
Macrophytes	N	U	- Organic (PCBs, pesticides...)	U	U
Slimes	U	U	Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	N	U
			Point Source - Specify:		
Physical			Pasturing of Livestock	PH	PH
Bank Erosion	N	U	Runoff: - Barnyard	PL	U
Channelization: - Upstream	N	N	- Construction	N	U
- Downstream	N	N	- Cropland	PH	PH
Hydraulic Scour / Channel Incision	N	U	- Urban	N	N
Impoundment: - Upstream	N	U	Septic Systems	U	U
- Downstream	N	U	Tile Drainage - Organic Soils	U	U
Low Flow	U	U	- Mineral Soils	U	U
Sedimentation	N	U	Springs	U	U
Sludge	U	U	Tributary(s)	U	U
Thermal	U	U	Wetland	U	U
Turbidity	U	U	Other - Specify:		
Other - Specify:					

Comments Active pasturing immediately downstream of road crossing and some horse pasturing up stream about 200m. All substrate covered in thick diatom coating with some filamentous algae also attached.

Special Instructions for Laboratory

3B = 140

Total = 140

For Lab Use Only

Sample Sorter Murphy Stehler	Taxonomist Dimick Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 1/28/2020	Specimens Saved Subsample archived in ABC until Apr 2023	

Wisconsin Department of Natural Resources

ABL SampleNum: 20191113-09-01

Taxonomist: Dimick, Jeffrey

Waterbody: Lotz Creek

SWIMS Database Key: 212996086

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Coenis	L	1	1	Klub 2016	imm	N
C. latipennis	L	11	2	"		
Stenocranus	L	11	2	"	imm	N
S. interpunctatum	L	1	1	"		
Leptophlebia	L	1	1	"	imm	
Allocaenia	L	1	1	Hils 1995		
Acenre Acenre pygmaea	L	1	1	Klub 2016		
Hydropsychidae	L	1	1	Hils 1995	imm	N
Ceratopsyche slosonae	L	11	2	Schm Hils 1986		
Cheumatopsyche	L	1	5	Hils 1995		
Hydropsyche betteni	L	1	1	Schm Hils 1986		
Dicranophora	L	1	1	Hils Schm 1992		
Optioservus	L	1	1	"	imm	N
O. fastiditus	L, 4	A, 3	7	"		
Stenelmis	L	1	1	"		N
S. crenata	A	1	1	"		
Bezzia/Palpomysia	L	11	2	Hils 1995		
Prosimulium	L	1	1	Adl et al 2004		
Dicranota	L	11	3	Hils 1995		
Caecidotea	A	1	1	Will 1972	fem	
Cyclopidae	A	11	3	Thorp Bog 2016		
Endytaxidae	A	1	1	"		
Naididae	A	11	2	Brinkfeld 1991		
Tubificidae (without hairs)	A	11	2	Klemm 1985		
Spill A.5 chironomidae	L	111	111			
Conchapelona 08270700	L	111	4	Cran Epl 2013		
Natarsia species A	L	1	1	Bolton 2012		
Zarelimysia 08273000	L	11	2	Cran Epl 2013		
Thienemannimyia group	L	1	1	"	imm	N
Orthocladinae 08300000	L	1	5	Cranston 2013	mt indet	N
Brillia	L	1	5	And+3 2013	imm	N
B. flavifrons	L	11	2	Epler 2001		
Corynoneura	L	11	2	And+3 2013		
Cricotopus	L	11	2	"		N
C. (Cricotopus) bicinctus group	L	1	1	"		
C. (C.) fremulus group	L	11	3	"		
Eukretella claripennis group	L	1	1	"		

Taxonomist: Dimick, Jeffrey

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[illegible]