

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name CASCO CREEK	Waterbody ID Code 91600	Sample ID (YYYYMMDD-CY-FD) 20180926-31-15
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Sampling Location	Database Key 168775506
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SWIMS Station ID 10033840	SWIMS Station Name UNNAMED CREEK UPSTREAM PHEASANT RD
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Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
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Basin (WMU) TWIN - DOOR - KEWAUNEE	Watershed Name KEWAUNEE RIVER	County KEWAUNEE
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Sample and Site Descriptors

Sample Collector (Last Name, First) MARY GANSBERG	Project Name NE LAKESHORE TMDL SUPPLEMENTAL 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) 6	Estimated Area Sampled (m²) 5.5	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: TMDL

Water Temp. (C) 12.7	D.O. (mg/l) 9.2	D.O. (% sat.) 86.8	pH (su) 8.1	Conductivity (umhos/cm) 922	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) 0.3	Average Stream Width of reach (m) 6
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): 10 Rubble (tennisball to basketball): 50 Gravel (ladybug to tennisball): 10
 Sand: 10 Clay: _____ Silt/Muck: 10 Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: 10 Other (____): _____

Embeddedness of Substrate at Sample Site (%) 20
Canopy Cover at Sample Site (%) 20

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	Taxonomist	Estimated Percent of Sample Sorted
Kayla Wilcox	Dimick, Jeffrey	13%
Date Processed	Specimens Saved	
6/4/19	125	

C3 = 46
 B3 = 89

125

Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetidae	L	II	2	Klub 2016	dam	N
Baetis brunneicolor	L	II	2	"		
B. flavistriga species complex	L	I	1	"		
Stenacron	L	III	3	"	dam/imm	N
S. interpunctatum	L	II	2	"		
Calopterygidae	L	I	1	West, May 1996	imm	N
Calopteryx	L	I	1	"	imm	
Cheumatopsyche	L	II	2	Hils 1995		
Hydropsyche betteni	L	I	1	Schm Hils 1986		
Limnephilus	L	I	1	Hils 1995		
Sialis	L	II	2	"		
Optoseruus	L	XIII	14	Hils Schm 1992	imm	N
O. fastiditus	L	I	1	"		
Probezza	L	I	1	Hils 1995		
Neolasta	L	II	2	Court Merr 2008		
Orthocladiinae 08300001	P	I	1	Ferr et al 2008	dam	N
Cricotopus (Cricotopus)	P	I	1	Coff et al 1986		
Gammarus pseudolimnoides	A	IXIII	54	Hils 1972		
Caecidotea	A	X-I	16	Will 1972	fem/imm	
Enchytraeidae	A	I	1	Thorp Reg 2016		
Naidinae	A	III	5	Bronfeldt 1991		
Chironomidae (without hairs)	A	I	1	Klemm 1985		
Pisidium	A	III	4	Burch 1972		
Spid A2 Chironomidae	L	X+JJD				
Corynoura	L	II	2	And+3 2013		
Microdendres pedellus group	L	XI	11	Epl et al 2013		
Thienemannimyia group	L	II	2	Cran Epl 2013	imm	
Orthocladiinae 08300000	L	I	1	Cranston 2013	mt indet	N
Parakiefferiella	L	-	5	And+3 2013		
Paratanytarsus longistilus	L	I	1	Epl et al 2013		
Polypedium (Polypedium) illinoense group	L	I	1	Bolton 2012		
Stempellinella	L	I	1	Epl et al 2013		