

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name CASCO CREEK	Waterbody ID Code 91600	Sample ID (YYYYMMDD-CY-FD) 20180926-31-14
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Sampling Location At Rockledge	Database Key 168775430
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SWIMS Station ID 313024	SWIMS Station Name CASCO CREEK - TN RD SE OF CASCO
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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) 3	Estimated Area Sampled (m²) 3.0	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) 13.7	D.O. (mg/l) 9.7	D.O. (% sat.) 93.7	pH (su) 8.1	Conductivity (umhos/cm) 858	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) 12
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 80 Gravel (ladybug to tennisball): 10
 Sand: 10 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 (%) 50

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>6/4/19</i>	Specimens Saved <i>174</i>	

C2 = 63
D1 = 111
(574)

Subsample archived in ABL until Aug 2022

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Perleididae	L	I	1	Hils 1995	imm	
Taeniopteryx	L	I	1	"	imm	
Baetis bairdianus	L	II	2	Klob 2016		
B. flavistriga species complex	L	I	1	"		
Tetoganopsis deficiens	L	Ø-III	41	"		
Leucocota	L	II-III	29	"		
Maccartertium vicarium	L	-III	8	"		
Maccartertium	L	I	1	"	imm	N
Paraleptophlebia	L	III	4	"	imm	
Heliconpsyche borealis	L	III	3	Hils 1995		
Cheumatopsyche	L	-IV	10	"		
Ceratopsyche	L	III	4	"	imm	N
C. alhedra	L	-	5	Schmitt Hils 1986		
C. glossonae	L	-I	6	"		
Chimarra	L	I	1	Hils 1995	imm	N
Ch. aterrima	L	II	2	Hils 1982		
Nigronia semicornis	L	-	5	Neunzig 1966		
Opioservus	L	XII	12	Hils Schmitt 1992	imm	N
O. fastidivus L, 12 A, 1	2, A	XIII	13	"		
Stenelmis	L	-	5	"		
Atherix variegata	L	II	2	Hils 1995		
Nemerodromia	L	II	2	Court Meir 2008		
Antocha	L	III	4	Hils 1995		
Parametrioctenemus	L	I	1	Ferr et al 2008		
Tubificonae (without hairs)	A	I	1	Klemm 1985		
Pisidium	A	III	3	Burch 1972		
Spit 2 Chironomidae	L	III-IV				
Tretania hawaiiensis group	L	I	1	Bode 1983		
Microtendipes pedellus group	L	I	1	Epl et al 2013		
Brillia flavifrons	L	I	1	Epler 2001		
Eukiefferiella devonica group	L	I	1	Andt 3 2013		
Parametrioctenemus	L	I	1	"		N
Thremmanniella xena	L	II	2	Bolton 2012		
Orthocadius (Orthocadius)	L	I	1	Andt 3 2013		
Polypedium (Uresipedium) flavum	L	I	1	Bolton 2012		
Rhyacotanytarsus	L	I	1	Epl et al 2013		