

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

Station Summary

Waterbody Name WEST BRANCH FOND DU LAC RIVER		Waterbody ID Code 134000	Sample ID (YYYYMMDD-CY-FD) 20191016-20-03
Sampling Location			Database Key 210277480
SWIMS Station ID 205007	SWIMS Station Name FOND DU LAC RIVER - WEST BRANCH - ABOVE SEYMOUR STREET		
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS	
Basin (WMU) UPPER FOX		Watershed Name FOND DU LAC RIVER	Datum Used if using GPS WGS84 or NAD83
County FOND DU LAC			

Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 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) 3	Estimated Area Sampled (m²) 1.5	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: Natural Community

Water Temp. (C) 8.6	D.O. (mg/l) 9.7	D.O. (% sat.) 85.2	pH (su) 7.6	Conductivity (umhos/cm) 391.8	Transparency (cm) 120
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Water Color <input type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input checked="" 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) 0.4	Average Stream Width of reach (m) 13
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): 30 Gravel (ladybug to tennisball): 60
 Sand: 10 Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: _____ Leaf Snags: _____ Coarse Woody Debris: _____ Other (_____): _____

Embeddedness of Substrate at Sample Site (%) 30 **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		N	N	Chlorine		N	N
- Filamentous Algae		N	N	Dissolved Oxygen		N	N
- Planktonic Algae		N	N	Nutrients (P, N...)		PH	PH
Iron Bacteria		N	N	Toxics: - Inorganic (Metals)		N	N
Macrophytes		N	N	- Organic (PCBs, pesticides...)		N	N
Slimes		N	N	Other - Specify:			
Other - Specify:				Sources of Stream Impacts			
				Bank Erosion		PL	PL
				Point Source - Specify:		N	N
Physical				Pasturing of Livestock			
Bank Erosion		PL	PL	Runoff: - Barnyard		N	N
Channelization: - Upstream		N	PL	- Construction		N	N
- Downstream		N	PL	- Cropland		N	PH
Hydraulic Scour / Channel Incision		N	N	- Urban		PL	N
Impoundment: - Upstream		N	PL	Septic Systems		N	N
- Downstream		N	N	Tile Drainage - Organic Soils		N	PL
Low Flow		N	N	- Mineral Soils		N	PL
Sedimentation		PL	PH	Springs		N	N
Sludge		N	N	Tributary(s)		N	PL
Thermal		N	N	Wetland		N	PH
Turbidity		PL	PL	Other - Specify:			
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter IRD	Taxonomist Dimock, Jeffrey	Estimated Percent of Sample Sorted 67%
Date Processed 9/1/2020	Specimens Saved Subsample archived in ABC until Oct 2023	

A3, C2, A1, D1 - 60 specs } B2 -
 E3, E2, C1, B3 - 43 specs } 131
 A2 - 10 specs
 C3 - 12 specs
 E1 -

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Acerentoma	L	I	1	Merrillum B 2019	dam	N
A. medonmoughi	L	III	3	Kwb 2016		
A. pygmaea	L	III	3	"		
Baetis flavistarsa species complex	L	III	4	"		
Caenis latipennis	L	-IIII	9	"		
stenacron	L	-I	6	Merrillum B 2019		
Argia	L	-III	8	"	imm	
Allocapnia	L	I	1	"		
Leucocrota	L	0III	25	"		
Melicopsycha borealis	L	I	1	Hils 1995		
Ceratopsycha	L	I	1	"	imm	N
C. brenta	L	II	2	Schmitts 1986		
Cnemidopsycha	L	x-	15	Merrillum B 2019		
Hydropsyche betteni	L	I	1	Schmitts 1986		
Hydroptila	L	I	1	Merrillum B 2019		
Philopotamidae	L	I	1	"	imm	N
Chimarra obscura	L	III	4	Hils 1982		
Optiosevus	L	III	3	Merrillum B 2019	imm	N
O. fastiditus	L	II	2	Hils Schmitts 1982		
Stenelmis	L	xIIII	14	Merrillum B 2019		N
S. crenata	A	I	5	Hils Schmitts 1982		
Hemerodromia	L	-I	6	Merrillum B 2019		
Simulium vittatum species complex 08110271	L	I	1	Adl et al 2004		
Cricotopus (Cricotopus)	P	II	2	Wieder 1986		N
Caecidotea intermedia	A	III	3	Will 1972		
Oranectes rustrans	A	II	2	Hubbs-Jass 1988		
Dugesidae	A	I	1	Thorp Bog 2016		
Pisidium	A	BxI	51	"		
Sphaerium	A	III	3	"	imm	N
S. simile	A	III	3	Mackie 2007		
S. stratum	A	I	1	"		
Branchiobdellidae	A	-I	6	Thorp Bog 2016		
Branchiura sowerbyi	A	II	2	Kath Brin 1998		
Pristina	A	I	1	"		
Naidinae	A	I	1	Brin Geld 1991		Y
Tubificinae (with hairs)	A	III	3	"		Y
Tubificinae (without hairs)	A	x-III	19	"		

< 3 taxa, TWALS 2.0

