

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) 20161028-20-01
Sampling Location DS CTH C Bridge			Database Key 133649607
SWIMS Station ID 10017190		SWIMS Station Name W. BR. FOND DU LAC R.-CTH C IN ELDORADO. 20 FT. ABOVE BRIDGE AND 50 FT. B	
Latitude 43.81989	Longitude -88.62405	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER FOX		Watershed Name FOND DU LAC RIVER	County FOND DU LAC

Sample and Site Descriptors

Sample Collector (Last Name, First) DAVID BOLHA	Project Name EAST DISTRICT NC STREAM STRATIFIED SITES 2016
Sampling Device	
<input checked="" type="checkbox"/> Kick Net	<input type="checkbox"/> Surber Sampler
<input type="checkbox"/> Ponar	<input type="checkbox"/> Artificial Substrate
<input type="checkbox"/> Eckman	<input type="checkbox"/> Hess Sampler
<input type="checkbox"/> Other: _____	

Habitat Sampled

<input type="checkbox"/> Riffle	<input checked="" type="checkbox"/> Run	<input type="checkbox"/> Pool
<input type="checkbox"/> Other	<input type="checkbox"/> Shoreline Composite	<input type="checkbox"/> Proportionally-Sampled Habitat
<input type="checkbox"/> Littoral Zone	<input type="checkbox"/> Profundal Zone	<input type="checkbox"/> Wetland

Total Sampling Time (min) 5	Estimated Area Sampled (m²) 2	Number of Samples in Composite 1	Replicate No. 1 of 1
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Reason For Sampling

<input type="checkbox"/> Least Impacted Reference	<input checked="" type="checkbox"/> Baseline	<input type="checkbox"/> Impact / Treatment Site
<input type="checkbox"/> Control Site	<input type="checkbox"/> Trend	<input type="checkbox"/> Other: _____

Water Temp. (°C) 46.4	D.O. (mg/l) 7.04	D.O. (%sat.) 60.9	pH (su) 7.19	Conductivity (umhos/cm) 649.2	Transparency (cm) 55.5
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Water Color	Estimated Stream Velocity (m/s)
<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid <input type="checkbox"/> Stained	<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)

Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) .9	Average Stream Width of reach (m) 9
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): 10	Rubble (tennisball to basketball): 50	Gravel (ladybug to tennisball): 30
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 (%) 0	

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

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>David Graylin</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted 13%
Date Processed 4-27-16	Specimens Saved Subsample archived in ABL until Oct 2020	

C2 117
 A1 142
 259

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Acerpenna pygmaea</i>	L	I	1	Kluberhanz 2016		
<i>caenis</i>	L	I	1	"	imm	N
<i>C. latipennis</i>	L	(I)	7	"		
<i>Stenacron</i>	L	II	2	"	imm	N
<i>S. interpunctatum</i>	L	8-	45	"		
<i>Chematopsyche</i>	L	xIII	13	Hilsenhoff 1995		
<i>Dubicaephia</i>	L	I	1	Hilsenhoff 1992		
<i>Stenelmis</i>	L	III	3	"		
<i>Prodezzia</i>	L	I	1	Hilsenhoff 1995		
<i>Simulium vittatum</i> species complex (DB110217)	L	I	1	Adler et al 2004		
<i>Caecidotea intermedia</i>	A	(III)	8	Williams 1972		
Tubificinae w/ capilliform chaetae	A	xIII	13	Klamm 1985		
<i>Orthocladius (Orthocladius)</i>	P	I	1	Coff. et al 1986		
<i>Microtendipes pedellus</i> group	L	⁸⁰⁰ 2000-	145	Epler et al 2013		
<i>Conchapelopia</i>	L	I	1	Cron, Epler 2013		
<i>Pothostia longimana</i> group	L	I	1	Sastry, Ander. 2013		
<i>Cricotopus (Cricotopus)</i> <i>trifascia</i> group	L	I	1	Ander + 3 2013		
<i>Chironomus</i>	L	I	1	Epler et al 2013		
<i>Cryptochironomus</i>	L	I	1	"		
<i>Allyptotendipes</i>	L	I	1	"		
<i>Microsectra</i>	L	I	1	"		
<i>Paratanytarsus</i> sp. B	L	x	10	Hilsenhoff unpubl		
<i>Polyptilum (Tripedura)</i> <i>scalaeum</i> group	L	III	4	Bolton 2012		
<i>Stictochironomus</i>	L	II	2	Epler et al 2013		
<i>Tanytarsus</i>	L	I	1	"		
<i>Trichobos juvenis</i>	L	I	1	Bolton 2012		

< 3 taxa, TVAL ≤ 2.0