

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> FOX RIVER	<b>Waterbody ID Code</b> 117900	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20191017-11-01
<b>Sampling Location</b>		<b>Database Key</b> 210284500

<b>SWIMS Station ID</b> 10014339	<b>SWIMS Station Name</b> FOX RIVER-100 YARDS ABOVE HIGHWAY 33(44)
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<b>Latitude</b> 43.57079	<b>Longitude</b> -89.2673	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> UPPER FOX	<b>Watershed Name</b> SWAN LAKE	<b>County</b> COLUMBIA
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> DAVID BOLHA	<b>Project Name</b> LARGE RIVER SUPPLEMENTAL MONITORING IN FOX AND V
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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

<b>Total Sampling Time (min)</b> 3	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1.5	<b>Number of Samples in Composite</b> 1	<b>Replicate No. _____ of _____</b>
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: special study

<b>Water Temp. (C)</b> 8.5	<b>D.O. (mg/l)</b> 10.5	<b>D.O. (% sat.)</b> 91.7	<b>pH (su)</b> 7.7	<b>Conductivity (umhos/cm)</b> 532	<b>Transparency (cm)</b> 104
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> circle units m/s or f/s	<b>Average Stream Depth of reach (m)</b> 0.8	<b>Average Stream Width of reach (m)</b> 8
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): \_\_\_\_\_  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: 60  
 Aquatic Macrophytes: 10 Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Coush, Natalie	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 5/28/20 28.1
Date Processed 11/7/2020	Specimens Saved subsample archived in ABC until Jan 2024	

A3-3: 9  
 D3-4: 7

C2 > 50 C3  
 A2 D1  
 E2 + C3 = 70

142

midge 444 444  
 may 1  
 aq beet 111

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L	1	1	Merrittum B 2019	dam	N
B. brunneicolor	L	-	5	Klub 2016		
B. intercalaris	L	III	23	"		
Labiobaetis	L	1	1	Merrittum B 2019	dam	N
L. frondalis	L	1	1	Klub 2016		
L. propinquus	L	XIII	14	"		
Heptagenia elegantula	L	4	2	"		
Maccaffertium	L	II	2	"	imm	N
M. terminatum	L	1	1	"		
Leptophlebia	L	-	5	Merrittum B 2019	imm	
Belostoma flumineum	A	1	1	Hols 1984a		
Ranatra	A	1	1	"	dam	
1/3 Brachycentrus numerosus	L	XIII	13	Hols 1985		
Cheumatopsyche	L	1	1	Merrittum B 2019		
Hydropsyche betteni	L	III	4	Schmitt Hols 1986		
Ptilostomis	L	1	1	Merrittum B 2019		
Liodessus affinis	A	III	4	Hols 1985		
Tropisternus mixtus	A	1	1	Hols 1985c		
Heimerodromia	L	II	2	Merrittum B 2019		
Corynoeura	P	1	1	"		
Simulium <del>suratse</del>	P	1	1	"		N
S. vittatum species complex OB110217	L	II	2	Adl et al 2004		
Dammarus pseudolimnaeus	A	X-III	18	Hols 1972		
Hyalina azteca	A	-1	6	Sawak et al 2015		
Caecidotea intermedia	A	II	2	Will 1972		
Nais	A	1	1	Kahn Brin 1998		
<del>Split to Chironomidae</del>	L	<del>X-III</del>				
Brillia	L	-1	6	And et al 2013	imm	N
Corynoeura	L	-III	10	"		N
Lopescladius	L	XIII	14	"		
Rheosmittia	L	-III	8	"		
Thienemannella xena	L	-	5	Bolton 2012		
Polypedilum (Polypedilum) illinoense group	L	II	2	"		

<3 taxa, TVALS 2.0