

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name WEST BRANCH SUAMICO RIVER			Waterbody ID Code 411600		Sample ID (YYYYMMDD-CY-FD) 20171004-05-02
Sampling Location riffle 40 m AS				Database Key 149402459	
SWIMS Station ID 10037515		SWIMS Station Name WEST BRANCH SUAMICO RIVER US QUARRY ROAD			
Latitude	Longitude	Lat/Long Determination Method (circle) SWIMS SWDV GPS			Datum Used if using GPS WGS84 or NAD83
Basin (WMU) GREEN BAY		Watershed Name SUAMICO AND LITTLE SUAMICO RIVERS		County BROWN	
Sample and Site Descriptors					
Sample Collector (Last Name, First) ANDREW HUDAK			Project Name EAST DISTRICT FOLLOW UP MONITORING FOR IMPAIRED		
Sampling Device					
<input checked="" type="checkbox"/> D-Frame Kick Net		<input type="checkbox"/> Surber Sampler		<input type="checkbox"/> Eckman	
<input type="checkbox"/> Ponar		<input type="checkbox"/> Artificial Substrate		<input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____	
Habitat Sampled					
<input checked="" type="checkbox"/> Riffle		<input 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) 7	Estimated Area Sampled (m ²) 6	Number of Samples in Composite 1			Replicate No. <u>1</u> of <u>1</u>
Reason For Sampling					
<input type="checkbox"/> Least Impacted Reference		<input type="checkbox"/> Baseline		<input type="checkbox"/> Impact / Treatment Site	
<input type="checkbox"/> Control Site		<input type="checkbox"/> Trend		<input checked="" type="checkbox"/> Other: Follow up	
Water Temp. (C) 15.6	D.O. (mg/l) 6.1	D.O. (% sat.) 63.4	pH (su) 7.8	Conductivity (umhos/cm) 626	Transparency (cm) >122
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)		
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) 3		Average Stream Width of reach (m) .2	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): 25		Gravel (ladybug to tennisball): 46
Sand: 25		Clay: _____	Silt/Muck: _____		Overhanging Vegetation: _____
Aquatic Macrophytes: _____		Leaf Snags: 10	Coarse Woody Debris: _____		Other (____): _____
Embeddedness of Substrate at Sample Site (%) 40			Canopy Cover at Sample Site (%) 60		

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Justin Kowalski	Taxonomist Dimick, Jeffrey	Estimated Percent of Sample Sorted 7%
Date Processed 11/14/17	Specimens Saved Subsample archived in ASL until Mar 2021	

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Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocapnia</i>	L	III	3	Hilsenhoff 1995		
<i>Baetis brunneicolar</i>	L	II	2	Kluberhanz 2016		
<i>Stenacron</i>	L	I	2	"	imm	
<i>Stenonema femoratum</i>	L	III	4	"		
<i>Maccaffertium vicarium</i>	L	I	1	"		
Leptophlebiidae	L	I	1	"	imm	
Hydropsychidae	L	II	2	Hilsenhoff 1995	imm	N
<i>Cheumatopsyche</i>	L	85-	75	"		
<i>Hydropsyche</i>	L	XIII	14	"	imm	N
<i>H. betteni</i>	L	-III	8	Schm., Hils. 1986		
<i>Neureclipsis</i>	L	I	1	Hilsenhoff 1995		
<i>Dithiraphia</i>	L	4	2	Hils., Schm. 1992		
<i>Eptosemus</i>	L	88III	84	"	imm	N
<i>O. fastiditus</i>	L, A	II, A.1	12	"		
<i>Stenelmis</i>	L	I	1	"		
<i>Nemerochromia</i>	L	I	1	Court, Merr 2008		
<i>Neoplasma</i>	L	4	2	"		
<i>Chrysops</i>	L	I	1	Hilsenhoff 1995		
<i>Dicranota</i>	L	-	5	"		
<i>Orthocladiinae</i> 0830001	P	Pret? shiny	1	Fer et al. 2008	dam	N
<i>Caecidotea intermedia</i>	A	8x-1	56	Williams 1972		
<i>Hydrobates</i>	A	III	3	Pluchino 1984		
<i>Trichoclada</i>	A	-III	8	Kolasa 1991		
<i>Split to Chironomidae</i>	L	01211)				
<i>Tanyptera</i> 0827000	L	I	1	Cranston 2013	mt indet	N
<i>Conchapelonia</i>	L	I	1	Cran., Epler 2013		
<i>Nilotantulus</i>	L	III	3	"		
<i>Thienemannimyia</i> group	L	I	1	"	imm	N
<i>Orthocladiinae</i> 0830000	L	I	1	Cranston 2013	imm	N
<i>Corynoneura</i>	L	-II	7	Ander + 3 2013		
<i>Diplocladius</i>	L	I	1	"		
<i>Hydrobaenus</i>	L	I	1	"		
<i>Parmetiscnemus</i>	L	I	1	"		
<i>Stilodadius</i>	L	I	1	"		
<i>Chironominae</i> 0833000	L	scr	15	Cranston 2013	mt indet/dam/imm	N
<i>Cladotanytarsus</i>	L	III	3	Epler et al 2013		

