

Station Summary

Waterbody Name FOX RIVER	WBIC 742500	Field Seq no. generated by SWIMS 255341671
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SWIMS Station ID 303066	SWIMS Station Name FOX RIVER (IL) - NR NEW MUNSTER CTHJB		
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Field Sample ID (retrieval date) 20200918-30-01	Basin (WMU) FOX (IL)	Watershed Name LOWER FOX RIVER - ILLINOIS	County KENOSHA
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Project Name **LARGE RIVERS MONITORING**

Latitude 42.610831 (42.6141)	Longitude -88.2254039 (-88.2258)	Determination Method (GPS)	Datum Used NAD83
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Site Access Details: Tree fall @ bank, in deep pool. ~350m US CTR JB.

Sample and Site Descriptors

Sampling Device

Standard Non-wadeable Hester Dendy Hester Dendy Area Calculation = Plate Size (cm) _____
 Number of Plates _____
 Other Device: _____ Device Area Calculation = Plate Size (cm) _____

Habitat Sampled

Suspended River Bed

Snags (no./100m) _____ Avg. size (dbh) _____ Coniferous and/or Deciduous (circle)

Riparian Land Use, Vegetation, and Condition: Adjacent to river corridor. Mixed row-crop beyond.

Substrate Composition

Bedrock _____% Boulder _____% Cobble _____% Gravel 10%
 Sand 30% Silt 60% Clay _____% Muck _____%
 Aquatic Macrophytes _____% CWD _____% Other (_____): _____%

Field Measurements

	Deployment	Retrieval	Total Colonization Time (Days)
Date:	07/29/2020	09/18/2020	52
Time:	1200	1515	
Personnel:	Helker, Schmitz	Helker, Suber	
Water Depth at Location (m):	~1.5	~1.5	
Sampler Height Above Substrate (m):	.5	.5	
Bank Placement: R <u>D</u>			
Distance From Bank:	S	S	
Water Temp (C):			
Water Color (clear, turbid, stained):	clear	clear	
D.O. (mg/L):			
pH:			
Conductivity:			
Transparency Tube (cm):			
Turbidity (NTUs):			
Water Velocity (m/s):	~580 cfs	~610 cfs	

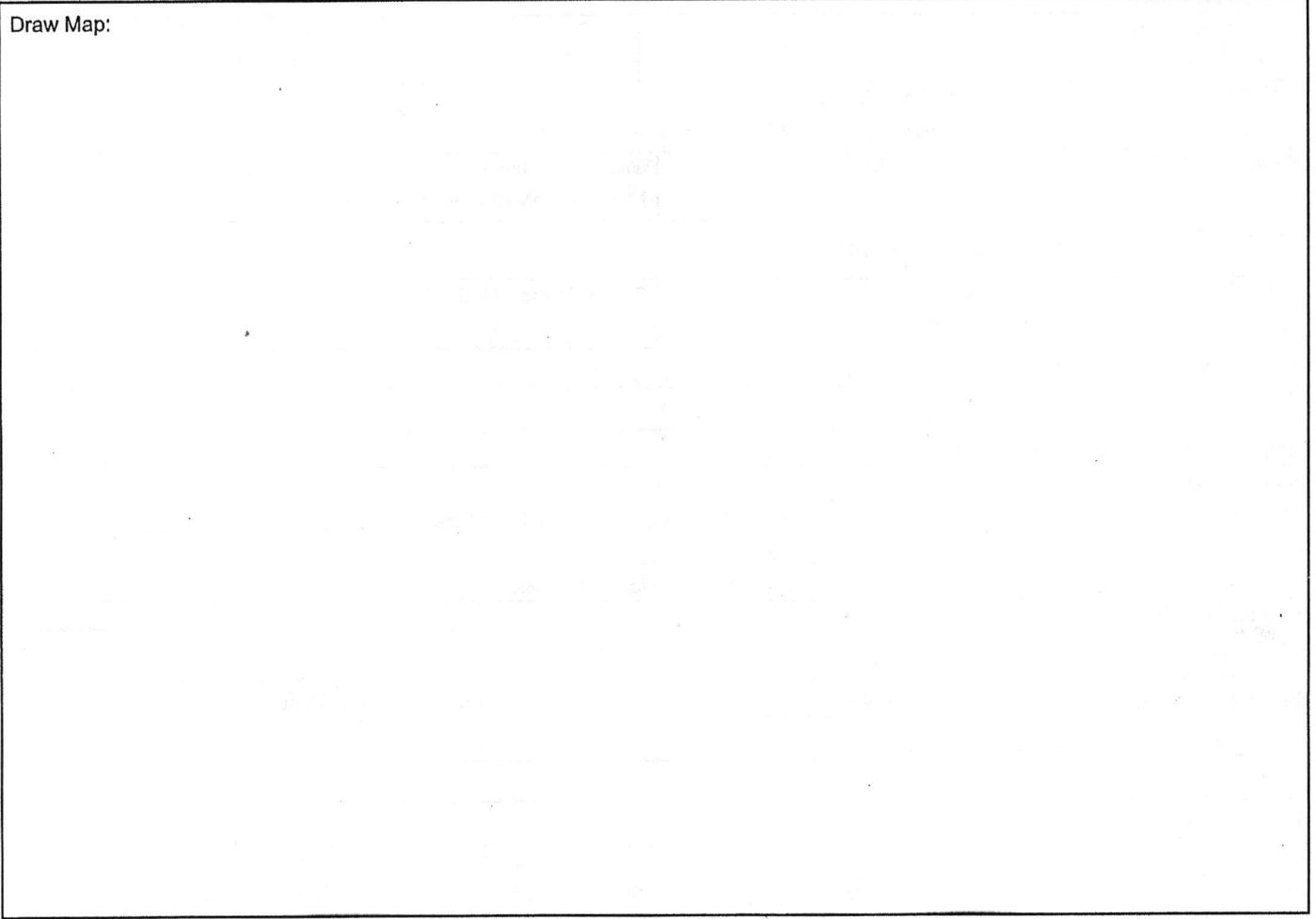
USGS Station
05545750

Non-Wadeable Macroinvertebrate Field Data Report

Form 3200-136 (R 10/11)

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Draw Map:



Ethanol replaced the second day? Yes No
 Label on inside of jar? Yes No
 Label on outside of jar? Yes No

Additional Notes:

Deployment location in (). Different than main SWMS point.

For Lab Use Only		
Sample Sorter Isabel Dunn	Taxonomist Dimitri Jeffrey	Estimated Percent of Sample Sorted 17.97%
Date Processed 10/24/2024	Specimens Saved Subsample archived in ABZ until Nov 2024	

F6 A2 H1 D1 H3 F8 B3 E1 E1 H7 C1 C1
] 1127] 1587] 46] 46] 47] 22] 11 (504)

9:00-
12:20
3:50-
6:15
6:30-
8:05
3:30-
4:00
5:00-
6:10

River Macroinvertebrate IBI Sampling Notes

River: Fox River Station: Fox River - N. New Munster CT14 JB

Sample ID (YYMMDD-CC-FF): 20200918-30-01 SWIMS no.: 303066

Deployment: Date: 07/29/2020 Personnel: Craig Heller, Amanda Schmitz

Retrieval: Date: 09/18/2020 Personnel: Craig Heller, Rachel Sabre

Lat: 42. 61413 Long: - 88. 2258 Deployment : riverbed snag

Time: 1200 Temp. _____ °C D.O. _____ Cond _____

Secchi _____ mm Turbidity _____ ntu Water Velocity: ~610 m/s² c/s USGS Station
05545750

Sampler location & deployment notes: Bank: R (L) Dist. from bank 5 m

Tree fall (L) bank, in deep pool. ~350 m us CT14 JB.

Habitat:

Substrate %: boulder _____ cobble _____ gravel 10 sand 30 silt 60 clay _____

Snags: no. / 100m _____ Avg. size _____ dbh. Deciduous Coniferous

Riparian land use, vegetation, and condition Ag adjacent to river corridor

Water depth at sampler location: At deployment ~1.5 m. At retrieval ~1.5 m.

Sampler height above substrate .5 m.

Retrieval notes: None

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon	L/R Y/N
<i>Baetis intercalaris</i>	L	II	2	Klob 2016			N
<i>Caenis</i>	L	III	3	MCB 2019	dam/imm	N	
<i>C. hilaris</i>	L	I	1	Klob 2016			
Heptageniidae	L	XIV III	19	MCB 2019	dam/imm	N	
<i>Mesochorus</i>	L	86	70	Klob 2016	dam/imm	N	
<i>M. exiguus</i>	L	III	3	"			
<i>M. terminatum</i>	L	I	1	"			
<i>Stenocranus</i>	L	XVIII	14	MCB 2019			
<i>Tricorythodes</i>	L	III	4	"			
Coenagrionidae	L	II	2	"	imm	N	
<i>Agrion moesta</i>	L	I	1	West May 2006			
Baetidae	L	I	1	MCB 2019	imm	N	
Hydropsychidae	L	-II	7	"	imm	N	
Cheumatopsyche	L	8x1	51	"			
Hydropsyche	L	III	3	Hils 1985	imm	N	
<i>H. bidens</i>	L	I	1	Schmidt's 1986			
<i>H. simulans</i>	L	-II	7	"			
<i>Potamyia flava</i>	L	XII	12	Hils 1985 MCB 2019			
Trichoptera	L	I	1	MCB 2019	imm	N	
Leptoceridae	L	I	1	"	imm		
Polycentropodidae	L	-III	11	"	imm	N	
<i>Cyrenellus fraternus</i>	L	X	15	MCB 2019			
<i>Neureclipsis</i>	L	-VIII	9	"			
<i>Polycentropus</i>	L	III	3	"			
<i>Macranyctus glabreus</i>	L	L	1	Hils Schim 1992			
Chironomidae	P	"	2	MCB 2019	dam	N	
<i>Remerochroma</i>	L	XI	16	"			
Cyclopidae	A	III	3	Thorp Reg 206			
Split A2a Chironomidae	L	8xVII					
Split A2b Chironomidae	L	8xVII					
Split A2c Chironomidae	L	8xVII					
Split A2d Chironomidae	L	7xVII					
Split A3 worm	A	VII					
<i>Rheotanytarsus</i>	L	888xIII	134	And et al 2013			N
Chironomidae	L	II	2	MCB 2019	mt-met dam	N	
Tanypterinidae	L	I	5	And et al 2013	imm	N	
<i>Ablabesmyia (Ablabesmyia)</i>	L	0-III	28	"	imm		
<i>Thienemannimyia</i>	L	I	1	"			
<i>Thienemannimyia group</i>	L	81	31	"	imm		

