

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> NF Trade River @ STH 87 US	<b>Waterbody ID Code</b> 2637400	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20200929-07-02
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**Sampling Location**  
Upstream STH 87

<b>SWIMS Station ID</b> 10054159	<b>SWIMS Station Name</b> NF Trade River at STH 87 US	<b>Database Key</b> 265721487
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<b>Latitude</b> 45.72110	<b>Longitude</b> -92.67966	<b>Lat/Long Determination method (circle)</b> SWIMS SWDV <b>GPS</b>	<b>Datum Used if using GPS</b> NAD 27 or NAD83
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<b>Basin (WMU)</b> St. Croix	<b>Watershed Name</b> Trade River	<b>County</b> Burnett
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> Cunningham, Joseph	<b>Project Name</b> TWA - Upper NF Trade River Watershed TWA 2020
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**Sampling Device**

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> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 3-20 sec Kicks	<b>Replicate No.</b> 1 of 1
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**Reason for Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: TWA Project

<b>Water Temp. (C)</b> 11.6	<b>D.O. (mg/l)</b> 6.0	<b>D.O. (% sat.)</b> 55.3	<b>pH (su)</b> 6.9	<b>Conductivity (umhos/cm)</b> 536	<b>Transparency (cm)</b> >120
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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 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)
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<b>Measured Velocity</b> circle units mps or cfs	<b>Average Stream Depth of reach (m)</b> 0.4 m	<b>Average Stream Width of reach (m)</b> 2 m
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball or basketball): \_\_\_\_\_ Gravel (ladybug to tennisball.): 40  
 Sand: 10 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 20

Aquatic Macrophytes: 20 Leaf Snags: \_\_\_\_\_ Course Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 40% **Canopy Cover at Sample Site (%)** 0%

# Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

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

Comments

*Horse pasture*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Raatz, Trevor</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>12.5%</i>
Date Processed <i>9/23/2021</i>	Specimens Saved <i>subsample archived in HBL until Oct 2024</i>	

A4Q3: 27  
D1Q2: 9: 36  
A4Q4: 30: 66  
D1Q1: 1: 67

A4Q1: 19: 86  
D1Q3+4: 8: 94  
A4Q2: 31: 125

125

Wisconsin Department of Natural Resources

ABL SampleNum: 20200929-07-02

Taxonomist: Dimick, Jeffrey

Waterbody: North Fork Trade River

SWIMS Database Key: 265721487

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Coenys</i>	L	x1	11	MCB 2019	imm	N
<i>C. latipennis</i>	L	-1	6	Kleb 2016		
<i>C. punctata</i>	L	1	1	"		
Leptohlebiidae	L	1	1	MCB 2019	dam	
<i>Belostoma fummeum</i>	L	11	2	Hols 1984a		
<i>Panatra fusca</i>	L	1	1	"		
<i>Pterostomis</i>	L	111	3	MCB 2019		
<i>Trochocorixa neras</i>	A	1	1	Hols 1984a		
<i>Ochrotrichia</i>	L	8-11	47	MCB 2019		
<i>Halipylus</i>	L	111	3	"		
<i>Tropisternus glaber</i>	A	1	1	Hols 1985c		
Diptera	L	1	1	MCB 2019	ker?	Y
Chrysops	L	111	3	"		
<i>Hyalella azteca</i>	A	1111	9	Saukot et al 2015		
<i>Laevapex fuscus</i>	A	11	2	Thorp Reg 2016		
<i>Gyrinus circumstratus</i>	A	111	3	"		
<i>Helisoma anceps</i>	A	1	5	"		
<i>Unionicola</i>	A	1	1	Peck et al 1990		
Naidinae	A	-1	6	Kerth Brin 1968		
Tubificinae (with hairs)	A	1111	4	"		Y
Tubificinae (without hairs)	A	01	21	"		Y
Daphniidae	A	1	1	Thorp Reg 2016		
<del>Split 42 Chironomidae</del>	L	8-11-111				
<i>Corynoneura</i>	L	11	2	And et al 2013		
<i>Microtendipes pedellus</i> group	L	1111-1111	19	"		
<i>Strettochironomus</i>	L	111-1111	19	"		
<i>Conchapelona</i>	L	11	2	"		
<i>Labrundinia pilosella</i>	L	1	1	"		
Chironominae	L	1	1	"	imm	N
<i>Chironomus</i>	L	1	5	"		
<i>Cladotanytarsus</i>	L	111	3	"		
<i>Microtendipes</i>	L	11	2	"		
<i>Paratendipes</i>	L	1	1	"		
<i>Polypedium</i>	L	1	1	"	imm	
<i>Triebelus jucundum</i>	L	1111	4	Bolton 2012		