

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name <u>NF Trade River @ Range Line Rd DS</u>	Waterbody ID Code <u>2637400</u>	Sample ID (YYYYMMDD-CY-FD) <u>20200929-07-03</u>
Sampling Location <u>R 15 m DS culvert</u>		

SWIMS Station ID <u>10054582</u>	SWIMS Station Name <u>NF Trade River at Range Line Rd DS</u>	Database Key <u>265721893</u>
Latitude <u>45.72986</u>	Longitude <u>-92.65144</u>	Lat/Long Determination method (circle) SWIMS SWDV <u>GPS</u>
Datum Used if using GPS NAD 27 or NAD83		
Basin (WMU) <u>St. Croix</u>	Watershed Name <u>Trade River</u>	County <u>Burnett</u>

Sample and Site Descriptors

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

Total Sampling Time (min) <u>1 min</u>	Estimated Area Sampled (m ²) <u>1 m²</u>	Number of Samples in Composite <u>3-20 sec Kicks</u>	Replicate No. <u>1</u> of <u>1</u>
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Reason for Sampling	☐ Least Impacted Reference	☐ Baseline	☐ Impact / Treatment Site
	☐ Control Site	☐ Trend	☒ Other: <u>TWA</u>

Water Temp. (C) <u>13.6</u>	D.O. (mg/l) <u>10.0</u>	D.O. (% sat.) <u>97.0</u>	pH (su) <u>6.9</u>	Conductivity (umhos/cm) <u>306</u>	Transparency (cm) <u>>120</u>
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Water Color	☒ Clear	☐ Turbid	☐ Stained	Estimated Stream Velocity (m/s)	☒ Slow (< 0.15 m/s)	☐ Moderate (0.15 m/s - 0.5 m/s)	☐ Fast (> 0.5 m/s)
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Measured Velocity	circle units mps or cfs	Average Stream Depth of reach (m) <u>0.1</u>	Average Stream Width of reach (m) <u>1.0 m</u>
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball or basketball): <u>10</u>	Gravel (ladybug to tennisball.): <u>60</u>
Sand: <u>20</u>	Clay: _____	Silt/Muck: _____	Overhanging Vegetation: _____

Aquatic Macrophytes: _____	Leaf Snags: <u>10</u>	Course Woody Debris: _____	Other (): _____
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Embeddedness of Substrate at Sample Site (%) <u>20%</u>	Canopy Cover at Sample Site (%) <u>80%</u>
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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
Biological			Chemical		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N....)		
Other -Specify:			Toxics: - Inorganic (Metals)		
Iron Bacteria		U	- Organic (PCBs, pesticides ...)		
Macrophytes			Other - Specify:		
Slimes			Sources of Stream Impacts		
Other - Specify:			Bank Erosion	PH	PH
Physical			Point Source - Specify:		
Bank Erosion	PH	PH	Pasturing of Livestock	PH N	PH PL
Channelization - Upstream			Runoff: - Barnyard		U
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland		U
Impoundment: - Upstream	U	U	- Urban		
- Downstream	U	U	Septic Systems		
Low Flow			Tile Drainage - Organic Soils		
Sedimentation			- Minerals soils		
Sludge			Springs		U
Thermal			Tributary(s)		U
Turbidity			Wetland		U
Other - Specify:			Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Rachael Valerica</i>	Taxonomist <i>Dimick Jeffery</i>	Estimated Percent of Sample Sorted 4.7 %
Date Processed 9/23/2021	Specimens Saved Subsample archived in ABC until Oct 2021	

D1 B2 B4
Q4 60 Q3 36
Q1 69 Q1
Q3 Q2
Q2 Q4

(155)

Wisconsin Department of Natural Resources

ABL SampleNum: 20200929-07-03

Taxonomist: Dimick, Jeffrey

Waterbody: North Fork Trade River

SWIMS Database Key: 265721893

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Taxa	Life Stage	Benthic Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolar	L	1	1	Kleb 2016		
B. flavistriga species complex	L	III	3	"		
Caenis	L	XI	11	MCB 2019	imm	N
C. latipennis	L	XI	11	Kleb 2016		
Calopteryx maculata	L	1	1	West May 1996 2006		
Hydropsyche	L	III	4	Hils 1995	imm	N
H. betteni	L	-1	6	Schm Hils 1986		
Cheumatopsyche	L	-III	8	MCB 2019		
O. fastidius	L	1	1	Hils Schm 1992	imm	N
O. trivittatus	L	1	1	"		
Stenelmis	L	III	3	MCB 2019		
Orthocladiinae	P	1	1	"	dam	N
Hemerodromia	L	III	5	"		
Ephydriidae	P	1	1	"		
Chrysops	L	1	1	"		
Pilargia	L	1	1	"		
Tipula	L	1	1	"		
Trombidiformes	A	1	1	Peck et al 1990	dam	
Physa	A	1	1	Thorp Reg 2016		
Gyrulus deflectus	A	III	3	"		
P. zidum	A	"	2	"		
Tubificinae (without hairs)	A	"	2	Kath Brin 1998		
Cyclopidae	A	1	1	Thorp Reg 2016		
Split A2a Chironomidae	L	8x-11)				
Split A2b Chironomidae	L	0-10-11)				
Tanytarsus	L	1	1	And et al 2013	dam	N
Corynoneura	L	1	1	"		
Cladotanytarsus	L	XIII	13	"		
Tanytarsus	L	XII	12	"		
Chironomidae	L	1	1	MCB 2019	imm	N
Cosmetopelopia	L	III	4	And et al 2003		
Thienemannimyda group	L	III	4	"	imm	N
Orthocladiinae	L	XI	11	"	imm	N
Nannochloris	L	1	1	"	imm	
Parametriocnemus	L	"	2	"		

Taxonomist: Dimick, Jeffrey

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