State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 08/14)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
NF Trade River @ Erickson Rd	2637400	20200929-07-01

Sampling Location: Downstream Erickson Road ± 50 m

SWIMS Station ID	**SWIMS Station Name**	**Database Key**
10053913	NF Trade River at Erickson Road	265721483

Latitude	**Longitude**	**Lat/Long Determination method (circle)**	**Datum Used if using GPS**
45.65744	-92.69160	SWIMS SWDV (GPS)	NAD 27 or NAD83

Basin (WMU)	**Watershed Name**	**County**
St. Croix	Trade River	Burnett

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
Joseph Cunningham	TWA - Upper NF Trade River TWA 2020

Sampling Device

- [x] Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [x] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.** / **of**
1 min	1 m^2	3-20 see Kicks	1 / 1

Reason for Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: TWA

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
11.1	9.2	84.0	6.9	328	>120

Water Color

- [x] Clear
- [ ] Turbid
- [ ] Stained

Estimated Stream Velocity (m/s)

- [ ] Slow (< 0.15 m/s)
- [x] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (>0.5 m/s)

Measured Velocity (circle units: mps **or** cfs)	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	0.3	5 m

Composition of Substrate Sampled (Percent):

Bedrock:	Boulders (basketball or larger):	Rubble (tennisball or basketball):	Gravel (ladybug to tennisball.): 50
Sand: 20	Clay:	Silt/Muck:	Overhanging Vegetation:
Aquatic Macrophytes:	Leaf Snags: 10	Course Woody Debris: 20	Other (_____):

Embeddedness of Substrate at Sample Site (%) 30% **Canopy Cover at Sample Site (%)** 30%

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	PL	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	U	U
Channelization - Upstream			Runoff: - Barnyard	U	U
- Downstream			- Construction		
Hydraulic Scour / Channel Incision			- Cropland	U	U
Impoundment: - Upstream	U	U	- 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

Beaver impacts upstream, Impoundment upstream

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter: Rachael Valeria	Taxonomist: Dimick, Jeffrey	Estimated Percent of Sample Sorted: 9.4%
Date Processed: 9/22/21	Specimens Saved: Subsample archived in ABL until Oct 2024	

B2 A4
Q3 17 Q1 23
Q1 11 Q2 39
Q4 17 Q4 20

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Wisconsin Department of Natural Resources
ABL SampleNum: **20200929-07-01**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Fork Trade River**
SWIMS Database Key: **265721483**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis brunneicolor	L	X0-	35	Kwh 2016		
B. intercalaris	L	11	2	"		
B. flavistriga species complex	L	0-111	28	"		
Maccaffertium vicarium	L	11	2	"		
Taeniopteryx	L	1	1	MCB 2019	immature	
Brachycentrus occidentalis	L	11	2	Wils 1985		
Ceratopsyche sparna	L	11	2	Schmidt Wils 1986		
Cheumatopsyche	L	x-111	18	MCB 2019		
Hydropsyche betteni	L	11	2	Schmidt Wils 1986		
Limnephilidae	L	1	1	MCB 2019		
Odontomesa	P	11	2	"		
Tvetenia	P	-1111	9	"		
Hemerodromia	L	1	1	"		
Simulium tuberosum species complex	L	1	1	Adler et al 2004		
S. venustum species complex	L	1	1	"		
Tipula	L	1	1	MCB 2019		
Gammarus pseudolimnaeus	A	0	20	Wils 1972		
Naidinae	A	1	1	Kath Ban 1998		
~~Split Ag Chironomidae~~	~~L~~	~~-28~~				
Pheotanytarsus	L	1111	4	And et al 2013		
Thienemanniella	L	1	1	"		
Polypedilum (Polypedilum) illinoense group	L	1	1	Bolton 2012		
Stictochironomus	L	111	3	And et al 2013		
Tanytarsus	L	1	1	"		