TROUT STREAM CLASSIFICATION PROPOSAL DOUGLAS COUNTY, WISCONSIN

Wisconsin Department of Natural Resources Fisheries Management Bureau Lake Superior Fisheries Unit – Superior Office

Submitted to Lori Tate, Section Chief, Bureau of Fisheries Management (Central Office)

Approved by
Bradley Eggold, Great Lakes Fisheries Unit Supervisor (Milwaukee) and
Bradley Ray, Lake Superior Fisheries Team Supervisor (Bayfield)

Submitted by Paul Piszczek, Senior Fisheries Biologist, Superior Office

December 1, 2020

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PART 2: Classification Information

- Procedural checklists
- Fisheries survey sheets
- Habitat rating sheets

PART 3: Maps

PART 4: Correspondence and Public Notice

- Legislative committees, legislators, and county and municipal official notifications
- Newspaper public notice Superior Telegram

PART 1: List of Proposed Streams

Class I

- Unnamed Creek 2-2a 2 o'clock (48N R10W S36; 48N R10W S35; and 47N R10W S2),
 Town of Brule
- Unnamed Creek 2-4 (T47N R10W S1 to T47N R10W S2), Town of Brule
- Unnamed Creek 11-1 (T47N R10W S1 to T47N R10W S2, and T47N R10W S11), Town of Brule
- Unnamed Creek 12-4 (T47N R10W S12), Town of Brule
- Unnamed Creek 12-1 (T47N R10W S12), Town of Brule
- Unnamed Creek 34-9 (T47N R10W S34), Town of Brule
- Unnamed Creek 3-10 (T456 R11W S3), Town of Solon Springs

Class II

- Unnamed Creek 18-2 (T47N R15W S36; T47N R14W S31; T46N R14W S6), Town of Summit
- Unnamed Creek 1-16 (T47N R09W S6 to T47N R10W S1), Town of Brule

Non-trout

Red River (T48N R15W S32; T48N R15W S31; T48N R15W S29; T48N R15W S28; T48N R15W S21; T48N R15W S16; T48N R15W S15; through T48N R15W S10), Town of Superior

PART 2: Classification Information

- Procedural checklists
- Fisheries survey sheets
- Habitat rating sheets

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 2-2a 2 o'clock (T48N R10W)

County: Douglas

WBIC: None Assigned

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Unnamed Creek 2-2a 2 o'clock (48N R10W S36; 48N R10W S35; and 47N R10W S2), Town of Brule; 0.42 mile beginning at the confluence with the Bois Brule River upstream to County Highway H, approximately 0.13 mile north of the intersection with Koho Road.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46. 59139° N; -91.57375° W Downstream point coordinates: 46.58872° N; -91.58024° W

Classification proposed: I

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)
- Χ Fish team supervisor and district fisheries supervisor have approved the classification. Date: <u>09/28/2020</u>
- Fish Biologist has consulted with the following staff in their office or district X
- <u>X</u> Permit Drafter: Eric de Venecia, 9/25/2020

Concerns Yes (No)

Concerns Yes (No

X Water Resource Specialist: John Kleist, 10/3/2020

X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No

<u>X</u> Water Management Specialist: Dan Harrington, 10/15/2020

Concerns Yes (No

Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No) X

X Public notice published in local newspaper or other media. 10/9/2020

X Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 X Notice sent to legislators in the affected districts. 10/8/2020 <u>X</u> Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 X No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: $\underline{\text{N/A}}$ Signed: Date: <u>12/1/2020</u> Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor Date: 01 Dec 2020

District Fisheries Supervisor

If found, return to: State of Wisconsin Department of Natural Resources . 1701 N 4th St, Superlor, WI 54880 Instructions: Bold fields must be completed.

Wadable Stream Fish Assessment
Form 3600-230 (R 7/15) Page 1 of 3
FH Database Management :
Entered:
Proofed:

Station Summary	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						<u> </u>	
	2-29	74	BN	Waterboo	ly ID Code	SWIMS St	ation ID	FH Database ID
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Channel and Basin C	l haracteris	tics					:	
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(check one)			> 20-year-old Channelization		20-year-old elization		-year-old nnelization	Concrete Channel
Mean Stream Width (m) Percent	Channelizatio	n Sinuosity	G	radlent (m/kr	n) Strea	m Order	Basin Area (km²)
EST NION								
Sampling Description Sampling Type (check	(one):							
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Gear Description Gear (indicate number	r of each to	ine tread):				Men	. h . u . f A .	
· /	Shockers	•	tream Shockers	•	Mini-Boom Si		nper.or Ar	nodes per Unit
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Person(s) Who Collec	ted Data (Full Names)						<u> </u>
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Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fie	Ids must be comple	eted. Record all mea	asurements in	metric units		
Station Summary						
Stream Name		T48A	Waterbody	y ID Code	SWIMS Station I	D FH Database ID
UNN CL	2-2a 20	CLOCK RIOW				· ·
Date (MMDDYYYY)	Station Name	•				
915 2020			4 #			
Latitude - Longitude L						Datum Used
Start Latitude	Start Longitude			End Longitud		M828A
•	1	398 N.46.			.	-
N46.59136 Water Characteristics		5 18 N74.	21121	W-91.5	17 375 7	DOUGLAS
Time (24-hr clock)	Air Temperature (C)	Water Temper	• •	Conductivit	y (μs/cm)	Transparency (cm)
Dissolved Oxygen (mg/l)		Dissolved Oxygen			рН	-
Flow (m³/sec)		k one - measure dista	ince If Above o	r Below Norr	nal): Water C	larity:
÷	Normal	Below:	(m) Abov	ve:	(m) 🔀 Cle	ar Turbid Stalned
Channel and Basin Ch	aracteristics			· · ·		
Mean Stream Width (n	•		Station	Length (m)		
EST	1.0m			1000	T	
Channel Condition: (check one)	Natural	> 20-year-old Channelization	10- to 20 Channel		< 10-year-ol Channellzat	
Percent Channelizatio		Gradient		Stream		Basin Area (km²)
•			` ,			Submit wou (law)
Comments / Notes					•	
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RECOLUECTION OF	SMOTH	endante, 1	arpen.	Earth &	AND RIPHE	and Alexa

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide Form 3600-532A (R 6/07) Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	
wetland, exposed rock	(15)	10	5	0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soll	15
	15)	. 10	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of statlon	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	٥
	10	7 .	3	*	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7 → RETREICIAL	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	15
and pools	<u>(15)</u>	10	5	0	, -
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25 scort From Index,	0
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common In mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered ** DUL TO IMPOUNT STRUMM CHANNER, STAND ** SILT	pe0 🛆
	15	10	5	SHAND	
Cover for Fish % of the stream area with cover	Cover/shelter for flsh abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	5
	15	10	BANKS (5)	0	
				Total Score	50

If found, return to: Wadable Stream Fish Assessment State of Wisconsin Form 3600-230 (R 7/16) Department of Natural Resources. FH Database Management: 1701 N 4th St, Superior, WI 54880 Entered: Proofed: Instructions: Bold fields must be completed. **Station Summary** Waterbody ID Code | SWIMS Station ID Stream Name FH Database ID 07/17/2020 DIS GRAM
Latitude - Longitude Determination Method Used OH H - INCLUDING SCORE Datum Used GRS - GARMIN GRSMAF 78
Start Latitude | Start Longitude MG8 84 End Latitude Start Latitude End Longitude County W-91.57524 146.59140 N46.59130 W-91,57423 DOUGLAS Water Characteristics Time (24-hr clock) Air Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm) Dissolved Oxygen % Saturation Dissolved Oxygen (mg/l) Water Level (check one - measure distance if Above or Below Normal): Flow (m³/sec) Water Clarity: Normal ○ Below: (m) ○ Above: (m) O Clear O Turbid O Stained Channel and Basin Characteristics Channel Condition: > 20-year-old Channelization 10- to 20-year-old Channelization < 10-year-old Channelization (XNatural (check one) Concrete Channel Mean Stream Width (m) Percent Channelization Sinuosity Gradlent (m/km) Stream Order Basin Area (km²) EST. 0.8 - 1,25 Sampling Type (check one): O Depletion Mark-Recapture Other - Specify: (Finish Time (24-hr clock) Start Time (24-hr clock) Station Length (m) Type of Pass (check one): Ø Upstream Only ○ Upstream, then Downstream ○ Other - Specify: Gear (indicate number of each type used): Number of Anodes per Unit Backpack Shockers Stream Shockers Mini-Boom Shockers Volts Current Type: Amps Duty · ()LDCP ·() AC () DC 0.35 80 20 # of Dippers Dip Net Mesh Size (inches) and Type (bar, Ace, Delta, etc.) 16" HEAVY DELTA Person(s) Who Collected Data (Full Names) MELSON, DUERR Comments / Notes (continue on the back of this sheet if necessary) * NOT ON USGS TOPO LINE WORK- RUNS THROUGH GULLY WILL MEUD TO ASSIBN WBIC

VERY ROCKY, MANLY COBBLE & GRAVER, Some Bourdes.

* LIMITED ASIL USE IN WEDER 1/4-1/3 OF STATION DUE TO ITEM GRADIENT * STELL PIPE CULVERT, PERCHED OUTLET SPILLING 11100 SCOUR PUBLE, LARGE PICE OF BASICOCAS Flower BACK POOL

404. ADULT SCHAIN C. MAD SPECIES -(A) 3.0 / 3.5 2.8 (A) 4.6 / 18 3.0 / 3.5 2.9 2.6 2.7 / 3.7 3.7 3.7 4.7 2.5 / 2.8 (A) 4.6 / 2.5 / 2.5 (A) 4.6 / 2.5 / 2.5 (A) 4.6 25/38 3.1 36/98 3.4 2.5/7.5 3.0 3.4/88 2.8 19/1.5 2.5 1.2/1.5 3.1 1.6/0.5 3.1 3.1/6 8 2.2 201 1.9

Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fiel	lds must be completed. Re	cord all measurements in	metric units.		
Ctation Commence					
Stream Name		TURN Waterbod	y ID Code SWIMS S	tation ID	FH Database ID
UNN CR Z	Station Name	RIOW W/	A		·
Date (MMDDYYYY)	Station Name	_			
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Lautude - Longitude L	etermination Method Use	ed			Datum Used
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			End Longitude	County	
N46,59150	W-91.57526	N46,59140	W-91.57423	Dar	16LAS .
Water Characteristics					
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Dissolved Oxygen (mg/l)	Disso	lved Oxygen % Saturation	На		
•					
Flow (m³/sec)	Water Level (check one - n	neasure distance if Above o	or Below Normal): V	Vater Clarit	y:
	Normal Below: _	(m) Abo	ve:(m)	Clear	Turbid Stained
Channel and Basin Ch		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(11)		TOTALING TOTALING
Mean Stream Width (m		Station	Length (m)		
*/-			100		
Channel Condition: (check one)	Natural > 20-yea	·· · · · · · · · · · · · · · · · · · ·	O-year-old	0-year-old annelization	Concrete Channel
Percent Channelization	n Sinuosity	Gradient (m/km)	Stream Order	Ba	sin Area (km²)
Comments / Notes					
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UMBITHT ASSES RECOLLECTION OF	e governm Uti	TINAL, INSTRUM	n loved And	RI PAR	AN AREA.

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparian zone well protected; buffer wide (> 10.0 m) BECENT LAGGAR- IN DECENDS, BUT VALLEY PROTECTED.	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	15
wetland, exposed rock	(95)	- 10	5	0	, 3
Bank Erosion Width of bare soll on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soll	10
	15	(10)	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 40 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	3
	10	7	<u> </u>	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	0
and pools	15	10	5	O	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25 HIGH GEARIGAT, LOTS OF RIFFLES BUT FEW (SEAIDS	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	5
Election of the sector	15	10		0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed VGLY ROCKY, MANNEY CEANNEL &	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	15
	(15)	. 10	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream VERY SHAUGH,	Cover rare or absent; limited to < 5% of stream	5
		10	NATNOT MEET 0.20 M WHITER DEPTH CEITERIA	Total Score	53
			AVAILABLE COVER	es	

State of Wisconsin Form 3600-230 (R 7/15) Page 1 of 3 Department of Natural Resources. FH Database Management: 1701 N 4th St, Superlor, WI 54880 Entered: Proofed: Instructions: Bold fields must be completed. **Station Summary** T48N Waterbody ID Code SWIMS Station ID FH Database ID Stream Name 2 d'ELOCK RIOW Date (MMDDYYY) Station Name WEST OF CTH 0712012020 Latitude - Longitude Determination Method Used Start Latitude Start Longitude En WGS 84 End Longitude County End Latitude DOUGLAS WOG1. 5185826 N46. 5905953 WOG1. 5-17716 N46.5901004 Water Characteristics Water Temperature (C) Conductivity (µs/cm) Transparency (cm) Air Temperature (C) Time (24-hr clock) рН Dissolved Oxygén % Saturation Dissolved Oxygen (mg/l) Water Level (check one - measure distance if Above or Below Normal): Water Clarity: Flow (m³/sec) Slight Stain (m) (m) Above: O etear (P) Normal () Below: **Channel and Basin Characteristics** Channel Condition: < 10-year-old Channelization O 10- to 20-year-old Channelization > 20-year-old Channelization Concrete Channel ○ Natural (check one) Basin Area (km²) Mean Stream Width (m) Percent Channelization Gradient (m/km) Stream Order Sinuosity 1.5-2m Sampling Type (check one):

CPE Mark-Recapture Other - Specify: O Depletion Finish Time (24-hr clock) Start Time (24-hr clock) Station Length (m) 11:53 11:14 lød m Type of Pass (check one): Upstream Only O Upstream, then Downstream Other - Specify: **Gear Description** Gear (Indicate number of each type used): Number of Anodes per Unit Mini-Boom Shockers Stream Shockers Backpack Shockers Volts Amps Duty Current Type: 80 O√DCP 20 ODC O AC 200 O10-1 Dip Net Mesh Size (inches) and Type (bar, Ace, Delta, etc.) # of Dippers 8" heavy delta Person(s) Who Collected Data (Full Names) Nelson, Doew Comments / Notes (continue on the back of this sheet if necessary) - Shocked for Possible tool reclass. Follow up to shocking to HwyH Fish Passage - Substrate! Mainly Gravel w/ sand & some roble mixed in - Recent logging on either side of vally

Wadable Stream Fish Assessment

If found, return to:

	SKT				BNT	SPE	CIES	RIST		ec)
Length 5. W	Lyeigh	lice	YOY	Leng	Mweight	YOY	1 onth	wielah	1/07	Tanak	11.10:0	length 37 3.6	wem
5,3	30 29 30 34	22	2.9	-	<u>'</u> -	7.500 7.800	9	J	1.5	3.0	4	347	11000-
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Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fields must be completed. Record all measurements in metric units. Station Summary Stream Name Waterbody ID Code SWIMS Station ID FH Database ID T48N UNN CR RIOW Date (MMDDYYYY) Station Name DIWNSTREAM FROM CTH 11. 915 2020 REMOTE SITE 0.21 MILLS WEST OF ROAD Latitude - Longitude Determination Method Used Datum Used GPS - GARMIN MG 284 Start Latitude Start Longitude End Longitude County W-91.57771 N46,59059 N46. 59010 W-91.57858 DOUGLAS Water Characteristics Air Temperature (C) Conductivity (µs/cm) Time (24-hr clock) Water Temperature (C) Transparency (cm) 100°F Dissolved Oxygen (mg/l) Dissolved Oxygen % Saturation ρН Flow (m³/sec) Water Level (check one - measure distance if Above or Below Normal): Water Clarity: SLIGHT Normal Below: Above: _ X Stained .(m) Clear Turbid (m). Channel and Basin Characteristics Mean Stream Width (m) Station Length (m) 1.5 - 2 m ESTIMATED Channel Condition: 区 Natural > 20-year-old 10- to 20-year-old < 10-year-old Channelization Concrete Channel Channelization Channelization Percent Channelization Sinuosity Gradient (m/km) Stream Order Basin Area (km²) Comments / Notes ELECTROFISHER FOR TROUT STREAM RE-CLASS. FOUND PREVIOUSLY SAMMEN PERPERATION @ CTH H CRUSSING UNDOCUMENTED TROUT \$ South RUNS THROUGH BUB SHEATE PRIMARILY GRAVEL AND SHOO, PROVIDED BY. ALBRIS LAROY WOUSE HABITAT ASSESSMENT COMPLETED USING NUSES FROM FISH SURVEY, AGREE PHOTUS AND RECOLLECTION SMEATH CHANNER, INSTREAM COVER, AND RIPHRIAN AREA

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow,	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparlan zone disturbed, buffer very narrow or absent (< 1.0 m)	
shrubs, woodland, wetland, exposed rock	VALLY PROTECTED (15)	10	5	0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank ' is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soil	10
,	15	10	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	3
	10	7	(3)	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow, width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	5	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	10
	15	10	5	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	10
	15 <i>(</i>	WAVEL (10)	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	5
	15	10	<u>(5)</u>	0	
				Total Score	58

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 2-4 (T47N R10W)

County: <u>Douglas</u>

WBIC: 2862390

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

<u>Unnamed Creek 2-4 (T47N R10W S1 to T47N R10W S2), Town of Brule; 0.44 mile beginning at the confluence with the Bois Brule River upstream to the headwaters, approximately 0.30 mile northeast of County Highway H.</u>

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.58407° N; -91.57054° W Downstream point coordinates: 46.58242° N; -91.57891° W

Classification proposed: 1

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper</u> files, Superior network electronic files, Fisheries Management Database (query WBIC)
- \underline{X} Fish team supervisor and district fisheries supervisor have approved the classification. Date: $\underline{09/28/2020}$
- X Fish Biologist has consulted with the following staff in their office or district
- X Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes (No
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes (No)
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No)
- \underline{X} Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 Notice sent to legislators in the affected districts. 10/8/2020 <u>X</u> <u>X</u> Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 <u>X</u> No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Paul Paigagle Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor Date: 01 Dec 2020 **District Fisheries Supervisor**

If found, return to: State of Wisconsin Department of Natural Resources.

1701 N 4th St, Superior, WI 54880

Wadable Stream Fish Assessment
Form 3600-230 (R 7/15) Page 1 of 3
FH Database Management !
Entered:
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Instructions: Bold fields must be completed.

Station Summary	is must be completed.		<u></u>	7 1,001441	<u></u>	· · · · · · · · · · · · · · · · · · ·	
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i	O-Normal O Be	olow:	(m) O Above:	(m)	⊘ Clear	O Turbid () Stained
Channel and Basin C	naracteristics						
Channel Condition: (check one)	🔕 Natural 🐪 🔘	> 20-year-old Channelization	O 10- to 20-year-o	ld · O < 10	D-year-old annelization	Concret	e Channel
Mean Stream Width (n	Percent Channelization	on Sinuosity	Gradient (m/km) Strea	am Order	Basin Ar	эа (km²)
Sampling Description							
Sampling Description Sampling Type (check	Ø CPE ○ D	epletion 🔘	Mark-Recapture	Other - Specif	y:	·	·
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Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fie	∍lds must be ċo	mpleted. Recor	d all measu	ırements ir	metric units			
Station Summary								
Stream Name		T47N		Waterboo	y ID Code	SWIMS Stat	ion ID	FH Database ID
UNN CR 2	2-4	RIDW		2862	2390			
Date (MMDDYYYY)	Station Nan						4.	
915 2020	US	FROM	CTH	H				·
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Water Characteristics								
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Dissolved Oxygen (mg/l)		Dissolved	d Oxygen %	Saturation	-	рН		
Flow (m³/sec)	Water Level (check one - meas	sure distanc	e if Above	or Below Nor	nal): Wat	er Clarity	l
	Normal	Below:	(m	Abo	ve:	(m) A	Clear	Turbid Stained
Channel and Basin C						(**)	TOICUI L	1 Taible L1 Otalifed
Mean Stream Width (r				Station	Length (m)			
•	•	•		J. C.	100			
Channel Condition: (check one)				10_to 2	0-year-old			
(check one)	<u>∤√</u> Natural	Channelization		Channe		Chann	elization	Concrete Channel
Percent Channelization	on Sinuosity		Gradient (m	ı/km)	Stream	Order	Bas	In Area (km²)
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Comments / Notes			· · · · · · · · · · · · · · · · · · ·					
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Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m)	Riparlan zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width	Riparian zone moderately disturbed, buffer	Most of the riparian zone disturbed, buffer	
Nidth of contiguous andisturbed land	Anne Eda Willand	moderate	narrow	very narrow or	
ıses; meadow,	HEAVY MOSS	'(5.0 - 10.0 m)	(1.0 - 4.9 m)	absent (< 1.0 m)	· carrie
shrubs, woodland, wetland, exposed	COVER UN FOREST		•		19
rock	Fresh (15)	10	5	0	
Bank Erosion	No significant	Limited erosion;	Moderate erosion;	Extensive erosion;	
Nidth of bare soil on	bank erosion;	0.20 - 0.50 m of bank is bare soll	0.51 - 1.0 m of bank is bare soil	> 1.0 m of bank is bare soil	
oank, along transects	is bare soil	pank is date soil	pank is pare son	pare soil	10
	4 m	(1)	.		10
·····	15	(10)	5	0	
Pool Area	Pools common; wide, deep, slow	Pools present; not frequent or over-	Pools present, but elther rare or	Pools either absent or	
% of stream length n pools	velocity habitat,	abundant; 30 to	overly dominant,	dominant, not	
,	balanced by other habitats; 40 to	39% or 61 to 70% of station	few other habitats present; 10 to	balanced by other habitats; < 10% or	,
	60% of station	or otation :	29% or 71 to 90%	> 90% of station	-
			of station	i	
	10	7	(3)	0	
Nidth:Depth Ratio	Streams very	Stream relatively	Stream	Stream relatively	
Average stream width	deep and narrow; width/depth ≤ 7	deep and narrow; width/depth 8-15	moderately deep and narrow;	wide and shallow; width/depth > 25	
divlded by average thalweg depth in runs	•	madifacture 10	wldth/depth 16-25	·	
and pools	15	10	(5)	0	
		 		Habitat	
Riffle:Riffle or Bend:Bend Ratio	Diverse habitats; meandering	Diverse habitats; bends and riffles	Habitat diversity low; occasional	monotonous;	
Average distance	stream with deep	present, but not	riffles or bends,	riffles or bends	
petween riffles or	bends and riffles common; ratio	abundant; ratio 10 to 14	ratio 15 to 25	rare; generally continuous run	
bends divided by average stream width	- 40 ·	1160 + 191914		habitat; ratio > 25	10
· ·	15	Granification (10)	5	0	
Fine Sediments	Fines rare or	Fines present but	Fines common in	Fines extensive in	
% of the substrate	absent, < 10% of	limited, generally	mld-channel	all habitats; > 60%	•
hat is < 2 mm (sand,	the stream bed	in stream margins or pools; 10 to	areas, present in riffles and	of stream bed covered	
sllt, or clay)		20% of stream	extensive in pools;	,-,	15
•		DEC MANUA	21 to 60%		10
	15	CHAVEL 10	5	0	
Cover for Fish	Cover/shelter for	Cover common,	Occasional cover,	Cover rare or	
% of the stream area	fish abundant;	but not extensive;	limited to one or	absent; limited to	
with cover	> 15% of stream	10 - 15% of stream	two'areas; 5 - 9% of stream	< 5% of stream	5
			TIMD OF CONTRACT		
	15	<u>.</u> 10	(5)	. 0	
		•		Total Score	58

If found, return to:

State of Wisconsin

Department of Natural Resources 1701 N 4th St, Superior, WI 54880

Wadable Stream Fish Assessment Form 3600-230 (R 7/15) Page 1 of 3 FH Database Management :

Entered: Proofed:

Instructions: Bold fields must be completed.

Station Summary Stream Name		-171	Waterbody ID Code	SWIMS Stat	ion ID F	l Database ID
	70 2-4	- TYTN	2862390			T DSIGNATO ID
Date (MMDDYYY)	Station N		:	<u> </u>		
07162020	DIS	From	CM H.			•
Latitude - Longitude D	etermination Metho	d Used				Datum Used
695 - 19AR	HIN GPSMA	178			· -	W6584
Start Latitude	Start Longitude	End Latitude	End Long	ltude	County	
N46458308	W091.5754	3 N44.68	331 WO91	.57448	DOUGE	AS
Water Characteristics Time (24-hr clock)	Air Temperature (C)	Water Temper	ature (C) Conduc	tivity (μs/cm)	Trar	nsparency (cm)
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Dissolved Oxygen (mg/l))	Dissolved Oxygen	L	рH	•	 ,
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Flow (m³/sec)	Vater Level (check on	e - measure distanc	e if Above or Below No	ormal): Wa	er Clarity:	
	O Normal O	Below:	(m) O Above:	(m) C	Clear O	Turbid O Stained
Channel and Basin Ch	aracteristics			· ·		
Channel Condition:	Oddatural C	> 20-vear-old	10- to 20-vear-old	< 10-v	ear-old /	
(check one)	O Natural (> 20-year-old Channelization	O 10- to 20-year-old Channelization		onzation -	Concrete Channel
Mean Stream Width (m) Percent Channeliz	ation Sinuosity	Gradlent (m	/km) Stream	Order	Basin Area (km²)
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Sampling Description Sampling Type (check	one);					
	Ø CPE		Mark-Recapture O			
Station Length (m)	F.	Start Time (24	•	1	me (24-hr cl	ock) ·
Type of Pass (check or	1).	11155	· ·	1344	<u>-l</u>	
Type of Fass (check of	Upstream Only	Upstream, the	en Downstream OC	other - Specify:		
Gear Description Gear (Indicate number	of each type used)	No.		Num	per of Anode	a novi init
Backpack S	• • • •	Stream Shockers	Mini-Boom		Jet of Wilone	a her our
Current Type:		Volts '	Amps	Rate	1.	Duty
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Person(s) Who Collect	ed Data (Full Name	s)				· · · · · · · · · · · · · · · · · · ·
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Instructions: Bold fields must be completed. Record all measurements in metric units.

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

Page 1 of 2

Stream Name JUN CR 2-4 RIOW Beuff R 2862340 SWIMS Station ID FH Database ID JUN CR 2-4 RIOW Beuff R 2862340 SWIMS Station ID FH Database ID JUN CR 2-4 RIOW Beuff R 2862340 SWIMS Station ID FH Database ID JUN Date (MMDPYYYY) Station Name 29/15 / 7020 D/S MEM 78 Date MEM MEM	Station Summary					
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RECOLLECTION OF STREAM CHANNEL, INSTRUM COVER, AND RIPHRIAN AREA					•	

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparlan zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	15
wetland, exposed rock	(15)	10	5	0	7 3
Bank Erosion Width of bare soll on bank, along transects	No significant bank eroslon; < 0.20 m of bank is bare soil	Limited erosion; 0:20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soll	10
	15	(10)	5	0	, , ,
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or overabundant; 30 fo 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	7.
	10	arvert 7	3	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	10
and pools	15	1	5	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	15
Ü	POOL COMPLEX	10	5	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive In all habitats; > 60% of stream bed covered	10
	15	. (10)	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	10
	15	(10)	5	0	
		•**		Total Score	77

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 11-1 (T47N R10W)

County: Douglas WBIC: 2862700

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

<u>Unnamed Creek 11-1 (T47N R10W S1 to T47N R10W S2, and T47N R10W S11), Town of Brule;</u>
<u>0.72 mile beginning at the confluence with Rocky Run, approximately 0.21 mile west-southwest of the intersection of County Highway Y and Carlson Road, upstream to the headwaters that are approximately 0.07 mile north of Carlson Road.</u>

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.57582° N, -91.56653° W
Downstream point coordinates: 46.57439° N, -91.57890° W

Classification proposed: <u>I</u>

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)</u>
- \underline{X} Fish team supervisor and district fisheries supervisor have approved the classification. Date: $\underline{09/28/2020}$
- \underline{X} Fish Biologist has consulted with the following staff in their office or district
- <u>X</u> Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes (No) <u>X</u> Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes No
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes No
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes No
- \underline{X} Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 · X Notice sent to legislators in the affected districts. 10/8/2020 <u>X</u> Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 <u>X</u> No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor Date: 01 Dec 2020 District Fisheries Supervisor

State of Wisconsin Department of Natural Resources dnr.wi.gov

Wadable Stream Fish Assessment Form 3600-230 (R 6/07) Page 1 of 5

Page 1 of 5

Instructions: Bold fields must be completed.

Station Summary				•	
Stream Name	TRIB P	ROUM, Water	ody ID Code	SWIMS Station ID	FH Database ID
UNN CR- 11-1		1/11/ 28	07.700	10047351	135628394
Date (MMDDYYYY)	Station Name			•	
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Latitude - Longitude Det	ermination Method U	sed		•	Datum Used
GPS:					· WGS 84
,	Start Longitude	End Latitude	End Longitud		· ·
N46,57549	W-91.57438	3 N44 57 514	W-91.	57325 DOU	GLAS
Water Characteristics					
Time (24-hr clock) Al	r Temperature (C)	Water Temperature (**)	Conductivit	y (μs/cm)	Transparency (cm)
Dissolved Oxygen (mg/l)	Dis	solved Oxygen % Saturati	on ,	рН	
	•		•		
Flow (m ⁴ /sec) W	ater Level (check one -	measure distance if Abo	ve or Below Nori	mal): Water Clarit	y: `
. [Normal Below:	(m) 🗔	Above:	(m) Clear	Turbid Stained
Channel and Basin Cha	acteristics				
Channel Condition: (check one)	Natural > 20-		to 20-year-old annelization	< 10-year-old Channelization	Concrete Channel
Mean Stream Width (m)	Percent Channelizati	on Sinuosity	Gradient (m/km)) Stream Order	Basin Area (km²)
Sampling Description		1			
Sampling Type (check o	ne):		8	-	
CPE FISH		Mark-Recapture	Па	Other - Specify:	
Station Length (m)		Start Time (24-hr cloc		Finish Time (24-h	r clock)
100	.	12:44	•	13:15	L.
Type of Pass (check one	»):	, , , , , , , ,			
Upstream Only	Upstre:	am, then Downstream		other - Specify:	
Gear Description					
Gear (indicate number c	f each type used):	,		Number of Ar	odes per Unit
Backpack Shocker	rs Stream Sh	ockers Mini-l	300m Shockers	# !	<i>,</i>
Current Type:		Volts	Amps	Pulse Rate	Duty Cycle
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Person(s) Who Collecte	d Data (Full Names)				
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Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fie	lds must be completed. I	Record all measurem	ents in metric unit	s.	
Station Summary					
Stream Name	THIN	TRIB 70 Wa	erbody ID Code	SWIMS Station ID	FH Database ID
UNN CR 11.	Station Name	RUCKLE RUNG			
			00100	. <u> </u>	
9/15/2020	US FRON Determination Method U	1 CIH H		•	•
Latitude - Longitude I	Determination Method U	sed			Datum Used
GAS- GAR	Start Longitude	HP 18			ING-584
			End Longitu	de Count	
N46. 57549	W-91. 574.38	3 N46,5751	4 W-91.	57325 Do	ILIAS
Water Characteristics				20	VOCH J
Time (24-hr clock)	Air Temperature (C)	Water Temperature (0	Conductiv	lty (μs/cm)	Transparency (cm)
		60F			
Dissolved Oxygen (mg/l)	Dis	solved Oxygen % Satu	ration	рН	
					•
Flow (m³/sec)	Water Level (check one -	measure distance if	bove or Below No	rmal): Water Cla	rity:
	Normal Below:	(m)	Above;	(m) X Clear	Turbid Stained
Channel and Basin Ch				(III)	L Stamed
Mean Stream Width (n		S	tation Length (m	1	
PC 97	1110		100		,
Channel Condition: (check one)	Natural		0- to 20-year-old Channelization	< 10-year-old Channelization	Concrete Channel
Percent Channelizatio		Gradient (m/km)			Basin Area (km²)
2					
Comments / Notes				-	<u> </u>
of a die and a co		a 4		,	
SAIRIK / PHOVIA	ney yo Rocal	e Run. M	PALLELS CH	KLEUN ROND	WUDDED
IPARIAN CORR	LIDER, STREET	m CHIANNE	- Ateabove	4 WIDE,	MANKY SANO
ng warver w	e 1871. Sum E	COBRUS PR	teams,	UAB 15 Home	20.
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WOON DEBILI	S, NO MASO	A Pools l	M STATEL	m,	
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ABITHT ASSC.	SSMENT DONE	USING NIJE	ue Pau) Arrial popular
	- '		is product.	MEH SURVEY	, Arrial popular
19 recource	on of STREAM	n. CHANNEL	INSTRAM	corred And	RIPARIAN ARUM

Form 3600-532A (R 6/07)

Page 2 of 2

: Doffmar Varia	=(I/	Cood	Fair	Dogu	Score
Rating Item Riparian Buffer Width (m) Width of contiguous undisturbed land	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	Score
	CHELSON AD, BUT ENOUGH BUFFER	10	5		15
DIN 100	AO & CRUPE 15)			0	
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank ' is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soll	Extensive erosion; > 1.0 m of bank is bare soil	1D
	15	(10)	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10%)or > 90% or station MANUY RUFUE/RIM	0
	10	7	3 .	\bigcirc	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	(5)	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratìo > 25	10
_	15	(10)	5	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	10
	15 · .	. (10)	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	5
	15	10	<u>(5)</u>	0	
			SMALLINE CHANNER	Total Score	55
		,	• • •	Total Sco	re

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 12-4 (T47N R10W)

County: Douglas

WBIC: None Assigned

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Unnamed Creek 12-4 (T47N R10W S12), Town of Brule; 0.28 mile beginning at the confluence with Rocky Run, approximately 0.27 mile south of where Rocky Run crosses Carlson Road, upstream to County Line Road, approximately 0.23 mile south of the intersection with Carlson Road.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.57133° N, -91.55352° W Downstream point coordinates: 46.57098° N, -91.55771° W

Classification proposed: [

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)</u>
- X Fish team supervisor and district fisheries supervisor have approved the classification. Date: 09/28/2020
- X Fish Biologist has consulted with the following staff in their office or district
- Y Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes (No. Water Poscurse Specialist: John Kleist, 10/3/2020 Concerns, Yes (No. Water Poscurse Specialist: John Kleist, 10/3/2020
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes No
- Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
 Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes (No)
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No)
- X Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 <u>X</u> Notice sent to legislators in the affected districts. 10/8/2020 X Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 <u>X</u> No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Signed: Date: <u>12/1/2020</u> Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor

District Fisheries Supervisor

Date: <u>01 Dec 2020</u>

State of Wisconsin Department of Natural Resources dnr.wl.gov

Wadable Stream Fish Assessment

Form 3600-230 (R 6/07)

Page 1 of 5

Instructions: Bold fields must be completed.

Station Summary			· ·		•			
Stream Name	- Sec 6PS	Coolds	Waterbody	ID Code	SWIMS S	ation ID	FH Databa	ase ID
Unnamed		K 12-4		1				
Date (MMDDYYYY)	Station Name	7						
07/28/16	1 Down STR	tum flow	Corril	Y LAND	H)			
Latitude - Longitude	Determination Metho	d Used					Dat	um Used
Hand held	6 PS						W	65-84
Start Latitude	Start Longitude	End Lalitude		ind Longitud		County)	
46.571126	91.5553	1. 46.571	37	91.5	5 H2 B	Bayl	Reld	· · · ·
Water Characteristics	5							
Time (24-hr clock)	Air Temperature (6) F	Water Temperatu		Conductivi	ty (μs/cm)		Transparenc	y (cm)
0:00	750	500		<u> </u>	·	·	<u></u>	
Dissolved Oxygen (mg/l)		Dissolved Oxygen %	Saturation		рН	•		
			·					
Flow (m³/sec)	Water Level (check o	ne - measure distanc	e if Above or	Below Nor	mal): V	later Clari	ty: `	
	Normal Be	ow:(m) \square Above	ə: <u> </u>	(m)	Clear	Turbid	Stained
Channel and Basin C								
Channel Condition:	. /	20-year-old	10- to 20	-year-old	┌ ┐<10	-year-old		
(check one)	Minatural M	hannelization	Channell			nnelization		crete Channel
Mean Stream Width (m) Percent Channeli	zation Sinuosity	Grad	llent (m/km)) Stream	m Order	Basin A	rea (km²)
43m				•				
Sampling Description		<u> </u>						
Sampling Type (chec	-	 1						
LACPE	L_I Depletion	Mark-Re		<u> </u>	ther - Spec			
Station Length (m)	· ;	Start Time (24-	nr clock)		Finish	Time (24-l	nr clock)	
Type of Bara (about	- mali							
Type of Pass (check	1			- I-	un	en		
Upstream 0	nly L_I_Ups	tream, then Downs	ream ,	- LIC	lher - Spec	iry:		
Gear Description Gear (indicate number	r of oach type upodly	· · · · · · · · · · · · · · · · · · ·			M	whow of A.	10des per l	lnit
	,	,				IIDei oi VI	ionas hei r	int ;
Backpack Shoc	Kers: Stream	Shockers	_ Mini-Boom			/	Tauri a	
Current Type:		Volts	Amı		1	Rate	Duty C	
AC	DDC XDC		<u> </u>	- 5	8	0	<u> </u>	50
Person(s) Who Collec	eted Data (Full Name)		E Jan				•
Olsun, Live	deen		<u> </u>					
Comments / Notes (cont	inue on the back of this i	sheet if necessary)	_				. ,	,
Total S	hock time	19:37						

xi GND OF STATTON 16 N UST CONFLUENCE W UNNCR 12-

The Total length (inches)

W+ = Weight (grams)

* 3.6 Sculpm taken for voucher * 4 Gill like only examined in age I and older

BrK Slickle Brk Ti BrKT Coho (TL) Coho (N1) (w+) 3.2 ð. ' 3.0 2.8 3,6 1.4 1,9 2.0 53 1.9 ,0 ٦ 4.2 12 2.0 30 13 13 9 SPECIES

Bill lice

Form 3600-532A (R 6/07)

Instructions: Bold fl	elds must be completed	d. Record all measure	ements in metric un	its.	•
Station Summary					
Stream Name	7471	TRIB TO V	Vaterbody ID Code	SWIMS Statio	n ID FH Database ID
UNN CRI	Z-4 RIOW	ROCKY FUN			,
	Station Name				
	D/S 4	erm Coun	THE LINE.	Ko.	· · · · · · · · · · · · · · · · · · ·
_	Determination Metho	**			Datum Used
Start Maria	Start Longitude	UP 18			W6584
			End Longit	اح.	ounty
N44.57126	W-91.5553	1 N46.571	37 W-91	,55428	DOUGLAS
Water Characteristics					
Time (24-hr clock)	Air Temperature (C)	Water Temperature	(C) Conduct	lvity (μs/cm)	Transparency (cm)
Discolus I O		50			
Dissolved Oxygen (mg/l)		Dissolved Oxygen % S	aturation	рН	
Elaw (=3/a)	har-tt		•		
Flow (m³/sec)	Water Level (check or		f Above or Below No	ormal): Wateı	Clarity:
	Normal Bel	ow:(m)	Above:	(m) 🛚 🔀 (Clear Turbid Stained
Channel and Basin C	haracteristics			. ,	
Mean Stream Width (m)		Station Length (n	n)	<u> </u>
ESTIMATED	2.0-2.5 M	•	100	•	
Channel Condition: (check one)	Natural Sha	0-year-old	10- to 20-year-old Channelization	< 10-year	
Percent Channelization		Gradient (m/k		Channeli m Order	
0	, januarong	Oracion (III)	. Sues	iin Older	Basin Area (km²)
Comments / Notes			<u>_</u>		,
SPRING FEA BAIBA INGAD	9 TE1B 70	Rocky	RIN, 1	ZUNS TH	ROUGH
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baren michal	end (GRASS	/ ALDER),	PREDERMI	nutited 5	AND , SICI &
torious Bos	mu, Some	" Aquanc i	166 ETH ; 10H	Alem Annu	ule problems
/		Weton MA	SITAT PR	im ARICH	WWDY DEBRIS
no unote co:	T BANKS	, .		•	
MABITAT ASSO	ESSMORT DU	IL USING N	UTTS Fran	aut on	16-1, ABREAL PHOSOS
han de de de la		- 4.4	rrise bright	Lead Alfrid	BY, ABRUKL PHOTOS
NAMES PER CLASSICAL CONTRACTOR	was up something	1 CHIGNARY	in stream e	overe, and	RIPARINA ANDRAS

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow,	Riparlan zone well protected; buffer wide (> 10.0 m) RUNS THEWOOD GRASS MEADON,	protected, but buffer width moderate	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	
shrubs, woodland, wetland, exposed out rock	VISLAVER POND.	10	5	0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	PRINK EROSION		Extensive erosion; > 1.0 m of bank is bare soil	10
	15	ELLYNDON (10) DROPPI	<i>76</i> 5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of statlon	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to .29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station MANLY RUN HARMITATO	0
	10	7	3 ;	<u> </u>	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25 Bens PROVICE	Stream relatively wide and shallow; width/depth > 25	5
and pools	. 15	10	Some 5 DEATH	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25 No RIFFLES, H BLUDS	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	5
	15	10	(5)	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered PREMINITERY SAME SILT + WOUNDERS	o ses O
	15	. 10	5	(O)	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream		Cover rare or absent; limited to < 5% of stream FITHER 100 SMAN	101 (Q
<u> </u>	15	10	5	(0)	
			BANK	ME UNDER CUT S OR Total Score E WOOD.	35

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: <u>Unnamed Creek 12-1 (T47N R10W)</u>

County: Douglas

WBIC: None Assigned

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Unnamed Creek 12-1 (T47N R10W S12), Town of Brule; 0.13 mile from the confluence with Unnamed Creek 12-4 (T47N R10W S12) upstream to County Line Road, approximately 0.28 mile south of the intersection with Carlson Road.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.57049° N, -91.55352° W Downstream point coordinates: 46.57114° N, -91.55538° W

Classification proposed: I

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at **DNR Superior paper** files, Superior network electronic files, Fisheries Management Database (query WBIC)
- X Fish team supervisor and district fisheries supervisor have approved the classification. Date: 09/28/2020
- <u>X</u> Fish Biologist has consulted with the following staff in their office or district
- <u>X</u> Permit Drafter: Eric de Venecia, 9/25/2020

Concerns Yes (No)

X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No.)

X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)

- <u>X</u> Water Management Specialist: Dan Harrington, 10/15/2020

Concerns Yes (No.

X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No)

X Public notice published in local newspaper or other media. 10/9/2020

Notice sent to all clerks of the county, town, city, or village in which the stream is <u>X</u> located. 10/8/2020 Notice sent to legislators in the affected districts. 10/8/2020 <u>X</u> Notice sent to chairpersons of legislative committees with jurisdiction for natural X resources issues. 10/8/2020 <u>X</u> No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: <u>01 Dec 2020</u> Fish Team Supervisor Date: 01 Dec 2020 **District Fisheries Supervisor**

State of Wisconsin Department of Natural Resources dnr.wi.gov

Wadable Stream Fish Assessment Form 3600-230 (R 6/07) Page 1 of 5

Instructions: Bold fields must be completed.

Station Summary		· - "			h
Stream Name	. •	Water	ody ID Code	SWIMS Station ID	FH Database ID
Unramed . tril	o to Rocky Run	1/2-1			
Date (MMDDYYYY)	Station Name	the second second			
7/28/2016	DOWN STREAM		COUNTY Lin	ME KD	
	etermination Method Used	Ī	•		Datum Used
Hand held	GPS:		:	·	WGS-84
Start Latitude	1	nd Latitude	End Longitude	County	,
46.57101	91,55456	46.57058	91.55	380 Dougla	r? .
Water Characteristics					
·	Air Temperature (G) F Wai	fer Temperature (0)	Conductivity	(μs/cm)·	ransparency (cm)
10:30	75°	29.	<u></u>	1	
Dissolved Oxygen (mg/l)	Dissolv	ed Oxygen % Saturati	on) На	
Flow (m³/sec)	Nater Level (check one - me	asure distance if Abo	ve or Below Norm	al): Water Clarity:	
****	Normal Below:	(m) 🔲	Above:	(m) Clear C	Turbid Stained
Channel and Basin Cha		, ,			
Channel Condition:	€ > 20-yea	r-old 10-	to 20-year-old	< 10-year-old	
(check one)	Natural Channell	zation LCh	annelization	Channelization	Concrete Channel
Mean Stream Width (m	Percent Channelization	Sinuosity	Gradlent (m/km)	Stream Order	Basin Area (km²)
0,83			·		
Sampling Description					
Sampling Type (check	one):	·			
LL CPE	L Depletion	Mark-Recapture		ner - Specify:	440
Station Length (m)	Sta	rt Time (24-hr cloc	k) -	Finish Time (24-hr	clock)
105		<u> </u>	· · · · · · · · · · · · · · · · · · ·		·
Type of Pass (check or					• •
Upstream On	ly L_I Upstream,	then Downstream	Ŀlóti	ner - Specify:	
Gear Description Gear (Indicate number	of analytima unady			- Number of Ano	dos nov linit
	,			Number of Ano	das her our
Backpack Shocke	ers Stream Shock		Boom Shockers		Im (O. I.
Current Type:	DC DCP	Volts 200	Amps O:9	Pulse Rate	Duty Cycle
Person(s) Who Collect		1 1 1 1	1 0.7		1 3.20
			•	•	
Comments / Notes (contin	いんをそへ nue on the back of this sheet if i	necessary)			
4 Total Shock		1.2			•
		\ \	•	(1) (1) (1) (1) (1) (1) (1) (1)	
20:3	3()	3/2.5	= 0.83		
		51 113		•	•
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BAKT (TL)	BrKT (W+)	BAKT	(TL)	(WI)	(M)	Brk,			Jan Marie	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	100	Same of Part	高級
4.9	17	L134+	3.5	7		DATE	- constant	A STATE OF		24.4			
5.3	27	Lynt	2.9		WYSO.	21	 	-	_				1 100
1,1			3.3	6	 V-1	2.0	 	 	 				-
4.2	13	None	3,1	-5			 		 	<u> </u>	· · · · · ·		 -
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4.4	14	Light	′3.1	6									
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Instructions: Bold fields must be completed. Record all measurements in metric units.

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

tation Summary					
tream Name	747 N	Teis to Wa	terbody ID Code	SWIMS Station ID	FH Database ID
INN CR		RUCKY RUN			
te (MMDDYYYY)	Station Name				· . · ·
7/15/2020	D/S FRE	M COUNTYL	NE RA		•
ıtltude - Longitude I	Determination Method	Ųsed	,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		Datum Used
SPS- BAR	MIN GPSM.	AP 78			W68 84
art Latitude	Start Longitude	End Latitude	End Longitud	de County	
146.57101	W41.55 456	N46.5705	8 111-91	55 380 Do	UGLAS
ater Characteristics					
me (24-hr clock)	Air Temperature (C)	Water Temperature (Conductivi	ity (μs/cm)	Transparency (cm)
ssolved Oxygen (mg/l)		Dissolved Oxygen % Sati	ıration	рН	
			,		
ow (m³/sec)	Water Level (check or	e - measure distance if	Above or Below Nor	rmal): Water Clar	ity:
	Normal Belo		Above:	l	
		w(m)	Above:	(m) 🔀 Clear	Turbid Stained
nannel and Basin Cl					
ean Stream Width (n	3	ļ ^s	(tation Length (m		
hannel Condition:	· 	•		<u> </u>	
heck one)			10- to 20-year-old Channeliza <u>t</u> lon	< 10-year-old Channelization	Concrete Channel
ercent Channelizatio	n Sinuosity	Gradlent (m/km	Strean	n Order I	Basin Area (km²)
O .					
mments / Notes				<u> </u>	
MALL SPRI	NO TED TR	IBUTHRY TO	cellic	12-4 1	RUALS THROUGH
ana aara	De PRESO	MINHTELY 5	AND BOAR	WITH :	SMALL WOODY STARANG TE
ALVER FACENT	on,	The second of the second	50	. a. Binderblock	e in made to det. I'm
BRIS STICK	Inds our ar	SPACELLY (es. Uppe	e perenci	y Simulation
	TO GRAVE			•	
W. W.	see children				
SITHE ASSE	SSMBNT DON	E USING N	VOES FROM	, FIGH SLEVE	9, Athere PHOT
-	OF STREAM	A Ala. capra - Lee	moderne as see	D' AND RIPAGE	end ARINA
RELOUERMIN	OF STREAM	CAMPINE ()	SKENSEL FRACE	יין אואט ורייו	serve himmand.

Form 3600-532A (R 6/07)

Page 2 of 2

Riparlan zone protected, but buffer width moderate (5.0 - 10.0 m) 10 Limited erosion; 0.20 - 0.50 m of bank is bare soil and its bare soil present; not frequent or overabundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats; bands and riffice	Riparlan zone moderately disturbed, buffer narrow (1.0 - 4.9 m) 5 Moderate erosion; 0.51 - 1.0 m of bank is bare soil 5 Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25	Most of the riparlan zone disturbed, buffer very narrow or absent (< 1.0 m) 0 Extensive erosion; > 1.0 m of bank is bare soil 0 Pools either absent or dominant, not balanced by other habitats; 10% or > 90% of station MANLY FUN Stream relatively wide and shallow; width/depth > 25 0 Habitat	15
Limited erosion; 0.20 - 0.50 m of bank is bare soll 10 Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	Moderate erosion; 0.51 - 1.0 m of bank is bare soil 5 Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25	Extensive erosion; > 1.0 m of bank is bare soil 0 Pools either absent or dominant, not balanced by other habitats; 10% or > 90% of station MANY FUND Stream relatively wide and shallow; width/depth > 25	
Limited erosion; 0.20 - 0.50 m of bank is bare soll 10 Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	Moderate erosion; 0.51 - 1.0 m of bank is bare soil 5 Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25	Extensive erosion; > 1.0 m of bank is bare soil 0 Pools either absent or dominant, not balanced by other habitats; 10% or > 90% of station MANY FUND Stream relatively wide and shallow; width/depth > 25	
O.20 - 0.50 m of bank is bare soil Pools present; not frequent or overabundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	0.51 - 1.0 m of bank is bare soil 5 Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25	> 1.0 m of bank is bare soil O Pools either absent or dominant, not balanced by other habitats; 10% or > 90% of station MANY FUN Stream relatively wide and shallow; width/depth > 25	
Pools present; not frequent or overabundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25	Pools either absent or dominant, not balanced by other habitats; 10% or > 90% of station MANLY FUND Stream relatively wide and shallow; width/depth > 25	5
frequent or over- abundant; 30 to 39% or 61 to 70% of station 7 Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	elther rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station 3 Stream moderately deep and narrow; width/depth 16-25 Habitat diversity	absent or dominant, not balanced by other habitats; 10% or > 90% of station MANLY FUN William To a Stream relatively wide and shallow; width/depth > 25	5
Stream relatively deep and narrow; width/depth 8-15 10 Diverse habitats;	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
deep and narrow; width/depth 8-15 10 Diverse habitats;	moderately deep and narrow; width/depth 16-25 ; Habitat diversity	wide and shallow; width/depth > 25 0	5
Diverse habitats;			<u>-</u>
		Habitat I	
bends and riffles present, but not abundant; ratio 10 to 14	low; occasional riffles or bends, ratio 15 to 25	monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	5
10	(5)	0	
Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	5
. 10	(4.63.4 (5)	0	
Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	5
	يمحور		
	20% of stream bed 10 Cover common, but not extensive; 10 - 15% of	20% of stream bed 21 to 60% 21 to 60% 50 MC5 (20 MC5) 10 Cover common, but not extensive; 10 - 15% of extensive in pools; 21 to 60% 50 MC5 (20 MC5) 10 MC5 (2	20% of stream bed 21 to 60% 21 to 60% 21 to 60% 21 to 60% 22 to 60% 23 to 60% 24 to 60% 25 to 60% 26 to 60% 26 to 60% 27 to 60% 28 to 60% 29 to 60% 20 to 6

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 34-9 (T47N R10W)

County: Douglas

WBIC: Not Assigned

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Unnamed Creek 34-9 (T47N R10W S34), Town of Brule; 0.35 mile from the headwaters to the confluence with Cutler Creek, approximately 0.16 mile east of where Cutler Creek crosses Castle Road.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.51230° N, -91.60773° W Downstream point coordinates: 46.50865° N, -91.60579° W

Classification proposed: I

- Fish survey (including relative abundance, length distribution, and age structure) and <u>X</u> habitat survey completed on water to be classified. Survey on file at **DNR Superior paper** files, Superior network electronic files, Fisheries Management Database (query WBIC)
- Fish team supervisor and district fisheries supervisor have approved the classification. X Date: 09/28/2020
- X Fish Biologist has consulted with the following staff in their office or district
- <u>X</u> Permit Drafter: Eric de Venecia, 9/25/2020

Water Resource Specialist: John Kleist, 10/3/2020

Concerns Yes (No)

X

Concerns Yes (No.

<u>X</u> Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No

Water Management Specialist: Dan Harrington, 10/15/2020 X

Concerns Yes (No)

Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No) X

X Public notice published in local newspaper or other media. 10/9/2020

Notice sent to all clerks of the county, town, city, or village in which the stream is <u>X</u> located. 10/8/2020 Notice sent to legislators in the affected districts. 10/8/2020 <u>X</u> Notice sent to chairpersons of legislative committees with jurisdiction for natural <u>X</u> resources issues. 10/8/2020 X No hearing requested 30 days after public notice. Hearing requested, held, and classification recommended. Date: N/A <u>N/A</u> Paul Pargale Date: 12/1/2020 Signed: Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor Date: 01 Dec 2020 **District Fisheries Supervisor**

ELECTROFISHING Data Collection Sheet: CWA - Baseline or Natural Community Reference Stream Monitoring Waterbody unit trib to Cutler Creek _ 12 34-9 Gear(#): __1_Backpack Streamshocker Sample Date: 8/5/2019 WBIC: Current Type: [AC] [DC] [PDC] Start Time:____1720_ Volts:____ County: 175 Pulse Rat 80 End Time:_____ Total Time:____ Station Name or Description:___ U/S from Mouth Amps:___ 0.6 Duty Cycle 20 No. of Dippers/Anodes: . 5 Distance Shocked:_ 100 M Start Lat/Long: <u>44,50855, -91,60579</u> CPE Survey Type: Mesh Size 1/8" Pass Type: [Up] [Dn] [Up-Dn End Lat/Loi N46.50921 W-09l.60639 Weather: SUNNY Water Level: [Hi] [Norm] Collectors: DUKE, DOERR, NELSON Adverse Cond: Clarity: clear [All species] Target Fish: [Gamefish] Water Temp: **SPECIES** Comments: bkt length bkt weigh bkt gl bkt yoy rbt yoy 5 Light 2,5 1.8 2.9 2.3 5 None 2.7 3 None 1.5 3.2 7 Light 2.2 3.5 Moderate 2.6 2,3 2.7 3.5 None 7 None 3.3 6.5 Light 3.8 3.5 Light 7 None 2.6 3.4 Comments: FISH DISTRIBUTED THROUGH ENTIRE STATION; LOTS OF WOODY DEBRIS -TOUGH TO SHOCK HEADWARD SPEND C N46.51213 W-91.60747

Instructions: Bold fields must be completed. Record all measurements in metric units.

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

Station Summary							
Stream Name		curred cr	Waterbody	ID Code	SWIMS Stat	ion ID	FH Database ID
UNN CR 34	1-9	TRIB					
Date (MMDDYYYY)	Station Name			/			
9/15/2020	VIS FROM	Confru	GNCE	cu /	CUTUR	CRE	HC
-	etermination Method Ųs	ed					Datum Used
6PS- 6 ARM	IN GPSMAP	78					WGS 84
start Latitude	Start Longitude	End Latitude	1	End Longitude	е	County	
146.50855	N-91. 60579	146,509	21	W-91.1	e0639	200	6LA-S
Vater Characteristics							
ime (24-hr clock)	Air Temperature (C)	Nater Temperatur	e (C)	Conductivit	y (μs/cm)		Transparency (cm)
Dissolved Oxygen (mg/l)	Diss	olved Oxygen % S	Saturation	•	рН		
low (m³/sec)	Water Level (check one -	measure distance	If Above o	Below Norr	nai): Wa	ter Clarit	y:
	Normal Below:	(m)	Abov	/e:	(m)	Clear	Turbid Stained
hannel and Basin Cha	aracteristics						
llean Stream Width (m	•		Station	Length (m)			
hannel Candition				100			
Channel Condition:	Natural	ar-old lization	☐ 10- to 20 Channeli	-year-old zation	Chan	ear-old nelization	Concrete Channel
Percent Channelization		Gradlent (m/		Stream			asin Area (km²)
Comments / Notes	<u> </u>				·		
Hay small	7216 70	cites l	Ltek,	DEK.	NS Co	DNIFET	e & ALDLE
whate . si	IBSTRATE PRI	MAGILY S	SHND, S	inte	DETIRA	TU\$,	MOSTIN RUN
UPE MABIT	HT WITH A	o weu	DEVE	coper	pools	or 1	ciffes,
ABITAT ASSE	ssment dave	USINO N	wes.	KRIVIN R	TSH Sue	VEM, A	BEINL PHOTOS V
	STREAM CHANA						

Form 3600-532A (R 6/07)

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· Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	
wetland, exposed rock	(15)	10 .	5	. 0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank ' is bare soll	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soll	Extensive erosion; > 1.0 m of bank is bare soll	15
	(15)	10	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; € 10% or > 90% of station	0
	10	7	3	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	'Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth_16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	<u>(5)</u> .	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	5
	. 15	10	(5)	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but Ilmited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	. 5
	15	. 10	511T (6)	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream SMAN SMANN,	0
		10	' 5		

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 3-10 (T45N R11W)

County: <u>Douglas</u> WBIC: <u>None</u>

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

<u>Unnamed Creek 3-10 (T456 R11W S3), Town of Solon Springs; 0.35 mile from headwaters</u> downstream to Bois Brule River, approximately 1.2 miles northeast of Rifle Range Road and 0.07 mile south of the Swamp Angel Creek confluence with Bois Brule River.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: <u>91.73890 W</u>, <u>46.39867 N</u> Downstream point coordinates: <u>91.73549 W</u>, <u>46.40727 N</u>

Classification proposed: I

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)</u>
- X Fish team supervisor and district fisheries supervisor have approved the classification. Date: 09/28/2020
- X Fish Biologist has consulted with the following staff in their office or district
- X Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes (No.
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No.)
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes No
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes No
- \underline{X} Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 <u>X</u> Notice sent to legislators in the affected districts. 10/8/2020 Χ Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 No hearing requested 30 days after public notice. X <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Paul Paragle Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: <u>01 Dec 2020</u> Fish Team Supervisor Date: <u>01 Dec 2020</u> **District Fisheries Supervisor**

State of Wisconsin Department of Natural Resources dnr.wi.gov

Wadable Stream Fish Assessment

Form 3600-230 (R 6/07)

Page 1 of 5

CORD

Instructions: Bold fields must be completed.

Station Summary					
Stream Name	3-10 To Buis BRUL	PENRAT CO Wat	erbody ID Code	SWIMS Station ID	FH Database ID
Date (MMDDYYYY)			NONE	<u> </u>	<u> </u>
0815 201 6	Station Name WI	. /	A. D. D.		111 11 KE 1/2
	KUNUTO > 110 etermination Method U	lead (V) (9	NO D LAKWA	upus Mano M	Parks - USE G
	•			· ·	W/GS 84
Start Latitude	MAP 18 HAND HEL Start Longitude	End Latitude	End Longitud	e County	W G 3 67
46.40453	-91.73396 .	111 11 11 11 11	!		NGLAS
Nater Characteristics	-11,13318	10,40,103	_)309	- 0.0132
	Air Temperature (C)	Water Temperature (C) Conductivit	y (μs/cm)	Transparency (cm)
		54/5	^		
Dissolved Oxygen (mg/l)	Dis	solved Oxygen % Satu	ration	рН	<u> </u>
	- 4			i i	
Flow (m³/sec)	Water Level (check one	measure distance if A	bove or Below Nore	mai): Water Clari	ty:
	Normal Below:	:(m) [TAhove:	(m) ⊠GN Clear	Turbid Stained
Channel and Basin Ch		(11)		(III) Zaroloar	- Tribid - Ctdirlog
Oleanna I Olama IIII		war old	10 to 00 year old	— < 10 year old	
check one)	Natural > 20 Char	-year-old nnelization	10- to 20-year-old Channelization	< 10-year-old Channelization	Concrete Channel
) Percent Channelizati	ion Sinuosity	Gradient (m/km)	Stream Order	Basin Area (km²)
~ 0.0 m	1 0				
Sampling Description					
Sampling Type (check					
/LX(CPE	L Depletion	Mark-Recaptu		ther - Specify:	·
Station Length (m)		Start Time (24-hr cl	ock)	Finish Time (24-I	ır clock)
100		15:47		1620	
Type of Pass (check o	— ·		,	• •	
Upstream On	ly L_Upstre	am, then Downstream	1 . LJÖ	ther - Specify:	
Sear Description Sear (indicate number				61	
ſ				Number of Ai	nodes per Unit
Backpack Shock	ers: Stream Sh		nl-Boom Shockers		
Current Type:		Volts	Amps 1 0	Pulse Rate	Duty Cycle
	DC ZDCP	250	. 1.0	810	20
Person(s) Who Collect	•				
HARON NELSO	N , CONNER LUN	I DEEN			· · · · · · · · · · · · · · · · · · ·
omments / Notes (contir	nue on the back of this she	et if necessary)		:	
Trait Sh	reau Classifica	alton Survey	•		
(1001 21		/			
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· Corros for	conf. W/ Bru	le R.			
FOOT	•		••		
- M	46.40727				
	n. 72519		,		

	(Oy)	•			'SUMY	SPE	CIES	:				··	
BKT	WT/GL	<u> </u>	COHO	W1(8)	Statent	WF(3)		1		T T			
4/9	22/1	T -	3.0	7	3.3	12	<u> </u>	╬──	 	 	<u> </u>	<u> </u>	<u> </u>
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5.0 5.8 4.5 3.2	28/L 32/N 20/L 8/N	 	3.3	· · · · · · · · · · · · · · · · · · ·	2.9	8	 	 	 				
4,5	20/1	 	3,2	8	4,0			 	 		 	 	
3.2	8/11		2,9		2,9	19	-	 		 			9
2.6	-/-		3.3	10	3.8	17		 		· · · · · ·	 		
10	-/-		2.9		3,0	. //		 	 	·			
5.3	32/N		2.7		3,0	1/		 	 	 	·		
2.1	-/-		2.8		3.4	1.3					 	<u> </u>	
4.8	26/N		3.0	9	3.2	11			 	 	 	 	· · · · · · · · · · · · · · · · · · ·
3.5	18/N		2,5		3.3	ممننس		 					
3.9	13/1		3.4	9 ·	2.8	<i>~</i>				·	-		
5./	29/ 6		3,0	7	2,6		 		· · · · ·	 	 		
5.3 2.1 4.8 3.5 3.9 5./ 3.3	9/N		2.7		2.9								
			2.8		3.2			<u> </u>					
			3,0	9.	2.8	ene		1					
			3.1 -	9	2-7								
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61-614 LICE

H- HENRY

Form 3600-532A (R 6/07)

Instructions: Bold fle	elds must be	completed. F	Record all measu	rements in me	tric units.				
Station Summary									
Stream Name		T45N	"WILMOT"	Waterbody ID	Code S	WIMS Sta	tion ID	H Databas	e ID
UNN CR		_R 11W .	CREEK				İ	•	
Date (MMDDYYYY)	Station I	Vame							
09152020 Latitude - Longitude	126	more L	OCHTION	Wo Pu	EMANE	5 110	TA EN LÆSK	2	
A		•		- F P			START TO START	Datun	n Used
6PS - 6Ad	2MIN (of CMA	0 73					10//0	5 84
	,	ngitude	End Latitude	End	Longitude		County	1 1 1 4 6	0 0 1
N46. 40453	W-91	1.73396	N46,40	405 W	-91.73		DOUG	113	
Water Characteristics	;							C:10 Q	
Time (24-hr clock)	Air Tempera	ature (C)	Water Temperatu		onductivity	(μs/cm)	Tra	insparency	(cm)
			54%						
Dissolved Oxygen (mg/l)		Dls	solved Oxygen %	Saturation		рН			
		<u> </u>			•	ļ.			
Flow (m³/sec)	Water Lev	el (check one -	measure distanc	e If Above or Be	low Norma	al); Wa	ter Clarity:		
	Norma	I Below:	(m)	Above:		(m) [>	Clear	Turbid [Stalned
Channel and Basin Cl								Turbia L	Otaliled
Mean Stream Width (r				Station Len	ath (m)				
ECTO ON ASSIV	. (مم ۔	5 .		2 446.077 2077	.gan (m)				
Channel Condition: (check one)	<u>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</u>	> 20-ye	ar-old r	10- to 20-yea	ar-old		rear-old		
		L Channe	elization (Channelizati	on		nelization	Concre	ete Channel
Percent Channelization	n Sinuosit	у	Gradient (m	/km)	Stream O	rder	Basir	Area (km²)	
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Comments / Notes							·		
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RECOLLECTION	of s	TRAMA	CHANNEL,	INSTRUM	n can	NER, A	W) RIP	ARIAN	ARUM.

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparlan zone disturbed, buffer very narrow or absent (< 1.0 m)	
wetland, exposed rock	(15)	10	5	0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0,20 m of bank is bare soll	Limited erosion; 0,20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soll	Extensive erosion; > 1.0 m of bank is bare soil	
	(15)	. 10	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present 10 to 29% of 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	3.
•	· 10	7	MANLY RUN	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	. (5)	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25 Low GRADILATI, NO DEVELOPED CONTROLLATION CONT	Habitat monotonous; rlffles or bends rare; generally continuous run habitat; ratlo > 25	5
	15	10	(5)	0	
Fine Sediments % of the substrate that is < 2 mm (sand, sllt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common In mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	5
	15	. 10	SILT (5)	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream 15	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; Ilmited to < 5% of stream	6.
			ENVER TO MEET 0.20 M REQUIRE	พยชี Total Score	53

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 18-2 (T47N R14W)

County: Douglas

WBIC: 2837100

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Unnamed Creek 18-2 (T47N R15W S36; T47N R14W S31; T46N R14W S6), Town of Summit; 3.59 mile beginning at the northern border of T47N R15W S36 NWNW, approximately 0.12 mile east of County Highway B, upstream to the headwaters that are 0.02 mile northeast of State Highway 35 about 0.40 mile south of the intersection with Town Line Road.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.59138° N, -92.16365° W Downstream point coordinates: 46.51839° N, -92.20080° W

Classification proposed: II

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)</u>
- X Fish team supervisor and district fisheries supervisor have approved the classification. Date: <u>09/28/2020</u>
- X Fish Biologist has consulted with the following staff in their office or district
- X Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes No
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes (No)
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No)
- X Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 <u>X</u> Notice sent to legislators in the affected districts. 10/8/2020 X Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 X No hearing requested 30 days after public notice. <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Signed: Date: <u>12/1/2020</u> Fisheries Biologist Approved: Date: 01 Dec 2020 Fish Team Supervisor Date: 01 Dec 2020

District Fisheries Supervisor

Wadable Stream Fish Assessment Form 3600-230 (R 7/15) Page 1 of 3

Station Summary	as must be completed.			8	
Stream Name	T47N	TRIB > Water	oody ID Code S	WIMS Station ID	FH Database ID
VINN. CREE	12 18-2 RIYW	Maria CA 28	37200		
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V46.50902 Nater Characteristics	W092 19431	N46.50890	W1092,19	700 Dog	uless!
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Dissolved Oxygen (mg/l)	Dis	solved Oxygen % Satur	ation	pH .	
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•	⊗ Normal ○ Bel	ow:(m)	\bove:(m). O Clear	O Turbid O Stained
hannel and Basin Ch	aracteristics				
Channel Condition: check one)	` Ø Natural () à	20-year-old10-	lo 20-vear-old	< 10-year-old	
			to 20-year-old annelization	< 10-year-old Channelization	Concrete Channel
lean Stream Width (m	Percent Channelization	n Sinuosity	Gradlent (m/km)	Ştream Order	Basin Area (km²)
amulius Description	<u> </u>				
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current Type:	ODCP	Volts 310	Amps	Rate	Duty
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SHE ON HWYB - Site not soved ble inflere of beaves making the sik to large for single Pach

-Water also very terbick & warm (LaBF)

-Shocked down strain Scour Pool - White Sucher, common shiner, Brazy minnown creh chub abundant

lots of debric including metal (rend +barb

Form 3600-532A (R 6/07)

Instructions: Bold fle	lds must be complete	d. Record all measu	ırements in metric ı	ınits.		
Station Summary						
Stream Name	T47N	7×18 70	Waterbody ID Co	de SWIMS Static	on ID FH Databa	ase ID
UNN CR 18	-2 R14W	MILLSR CR	2837100	,		
Date (IVIYIUDYYYY)	Station Name					
9/15/2020	143.5 Determination Metho	M DIS	_ FRENIN C	MANDY Z	HAVELK 7.	KATL
Latitude - Longitude E	etermination Metho	d Used			Date	um Used
Lofs - Lofk N Start Latitude	THE GPSMAT	78 Fad Lafferda			h	16584
	Start Longitude	End Latitude	End Long	-	ounty	
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Water Characteristics Time (24-hr clock)	Alr Temperature (C)	Mator Townson	(0)	1 11 (
rime (24-m clock)	Air remperature (C)	Water Temperatu		ctivity (µs/cm)	Transparenc	y (cm)
Dissolved Oxygen (mg/l)	<u> </u>	Dissolved Oxygen %				
Discorred Oxygen (mgn)		Dissolved Oxygen %	Saturation	pΗ		
Flow (m³/sec)	Water Level (check o	na	- 16 41 19 7	<u> </u>	·	
1 1011 (111 1300)				`	r Clarity:	MODERAN
	Normal Bel	ow:(m)	Above:	(m) 🔲	Clear Turbid	☑ Stained
Channel and Basin Ch						
Mean Stream Width (m			Station Length	(m)		
2,20 A	n - MEASIR	LUD	100			
Channel Condition:	Natural	0-year-old annelization	10- to 20-year-old Channelization	i ⊂ 10-yea Channel		ocrete Channel
Percent Channelization	n Sinuosity	Gradient (m	/km) Str	eam Order	Basin Area (kr	n²)
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Comments / Notes					——————————————————————————————————————	
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Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland,	Riparian zone well protected; buffer wide (> 10.0 m) MIXED CAROLER © DECLOUDING	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparlan zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	15
wetland, exposed rock	Frankst (15)	10	5	0	15
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m·of bank ' is bare soll	Limited erosion; 0.20 - 0.50 m of bank is bare soll	Moderate erosion, 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soll	10
	15	(10)	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or overabundant; 80 to 39% or 61 to 70% of station AT WAST 3 Quality Pauls	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	7.
·	10	pa Otet D	3	0	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs and pools	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	(5)	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	15
L	at appos 15	- 10	5	. 0	
Fine Sediments % of the substrate that is < 2 mm (sand, slit, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed M m NLLI	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	10
O	15	(10)	5	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream LWO F	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	10
<u></u>	15	(10/	5	0 .	
		UNDIAL LUT BANKS		Total Score	72

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

Wadable Stream Fish Assessment Form 3600-230 (R 7/15) Page 1 of 3

	lds must be completed.					
Station Summary Stream Name	د ر دادرسود	was a Wilst	erbody ID Gode	SWIMS Station ID	FUD-4-1	
	147N			ANIMO STRICT	FH Database ID	
Date (MMDDYYY)	18-2 R14W Station Nam	MIGGERT CENT LE	5 1200			
07/28/2020		MA DIS		POLISH &	Za	
Latitude - Longitude i	Determination Method L	Ised	7 - 4 - 7	10 Ciari F	Datum Used	-
	<u> </u>					
Start Latitude	Start Longitude	End Latitude	End Longitude	e County		-
N46,50558	W097, 17327	N46.5056	1 W092.17	LZE DOL	16LAS	
Water Characteristic: Time (24-hr clock)	s Air Temperature (C)	Water Temperature			7	
(21 III 0.00K)	ran romporataro (o)	/ //F	(C) Conductivity	(μs/cm)	Transparency (cm)	
Dissolved Oxygen (mg/	l /I) Dis	solved Oxygen % Sat	uration	рН	 	;
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Channel and Basin C			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	O Glear	O initing O statled	
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check one)			0-ito 20-year-old: hannelization	Channelization	Concrete Channel	
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Sear (indicate number	of each type used): ShockersSti	roam Chaelre			odes per Unit	-
Current Type:	StrockersStr		Mini-Boom Shoo			
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CHB-Crahchub BSB-Brook streat back FAT-Fothead Minnow

-BKT- Brook Twout

1 Mort

- No gill lice obviously observed on Brook trout

Form 3600-532A (R 6/07)

Instructions: Bold fie	lds must be comp	oleted. Record all me	asurements in	metric units.	•	
Station Summary						
Stream Name	747	N 1616 70	Waterbody	ID Code	SWIMS Station ID	FH Database ID
Stream Name UNN CR /	8-2 R14	N MILLER C	k 283	7100		
Data (MM)DDVVVV)	IStation Name				A	
9/15/2020 Latitude - Longitude I	121 ,	n DIS Fa	erm fl	PLISH A	$\mathcal{Z}_{\mathcal{O}}$.	
Latitude - Longitude I	Determination M	ethod Ųsed				Datum Used
Start Latitude	RMIN G	PSMAP 78)			W6884
				End Longitude	Journa	у
N46. 50558	5 N.92,1	7327 N46.	50567	W-99	17235 D	NUGLAS
Water Characteristics						
Time (24-hr clock)	Air Temperature (Conductivit	y (μs/cm)	Transparency (cm)
		64	of.		•	
Dissolved Oxygen (mg/l)		Dissolved Oxyger	% Saturation		рН	
Flow (m³/sec)	Water Level (ch	ock one - measure dist	ance if Above o	r Below Norr	nal): Water Cla	rity:
	Normal [Below:	(m) Abov	/e;	(m) Clear	Turbid Stained
Channel and Danin Cl		J DOIOW.	-(11)	70,	(III) LI Oleal	L Turpid 125 Stallled
Channel and Basin Cl Mean Stream Width (n			Station	Length (m)		
ivicali Stream vvidili (ii	"1.2m	- Measures	,	Length (m)		•
Channel Condition: —	·		1			
Channel Condition: [Natural	─> 20-year-old ─ Channellzation	10- to 20 Channel		< 10-year-old Channelizatio	
Percent Channelization	on Sinuosity	Gradien	it (m/km)	Stream	Order	Basin Area (km²)
-5						
Comments / Notes	· · · · · · · · · · · · · · · · · · ·	····		· · · · · · · · · · · · · · · · · · ·		
Smare the	6 70	MILLER CR	eek, p	LUNS 77	ilouan bras	S AND MORR MARSI
PREDOMINATER	i Shno	SUBSTRATE,	ang ex	avi Pv	pl, some si	unua foots or
DEEPLE RUNSI	Cored	province 6	en amount	ier B	aries & 6.N	S AND MORR MARSI WHILL POOLS OR

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland, wetland, exposed	Riparian zone well protected; buffer wide (> 10.0 m) Single Pointering College bulk	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	15.
rock	(15)	10	5	. 0	
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soll	Extensive erosion; > 1.0 m of bank is bare soil	. 10
	15	(10)	5	0	, / ()
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present, 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	3
	10	7	(3)	0	
Width:Depth Ratio Average stream width divided by average thalwey depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	e de la companya de l
and pools	15	10	(5)	0	ావక్కో
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	10
C	15		5 .	0 .	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	5
	15	. 10	6	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream LWD.	Cover rare or absent; limited to < 5% of stream	5
	15	. 10	5	0	
		•		Total Score	53

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Unnamed Creek 1-16 (T47N R10W)

County: <u>Douglas</u>

WBIC: None Assigned

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

<u>Unnamed Creek 1-16 (T47N R09W S6 to T47N R10W S1), Town of Brule; 0.36 mile beginning at the confluence with Rocky Run, approximately 0.04 mile north of the Rocky Run crossing at Carlson Road.</u>

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.57827° N, -91.55063° W Downstream point coordinates: 46.57529° N, -91.55608° W

Classification proposed: II

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files, Superior network electronic files, Fisheries Management Database (query WBIC)</u>
- \underline{X} Fish team supervisor and district fisheries supervisor have approved the classification. Date: 09/28/2020
- \underline{X} Fish Biologist has consulted with the following staff in their office or district
- X Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes No
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes (No)
- X Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No
- \underline{X} Public notice published in local newspaper or other media. 10/9/2020

Notice sent to all clerks of the county, town, city, or village in which the stream is <u>X</u> located. 10/8/2020 Notice sent to legislators in the affected districts. 10/8/2020 X X Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 X No hearing requested 30 days after public notice. Hearing requested, held, and classification recommended. Date: N/A <u>N/A</u> Paul Paragle Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: <u>01 Dec 2020</u> Fish Team Supervisor Date: 01 Dec 2020 District Fisheries Supervisor

State of Wisconsin Department of Natural Resources dnr.wi.gov

Wadable Stream Fish Assessment Form 3600-230 (R 6/07) Page 1 of 5

Instructions: Bold fields must be completed.

Waterbody ID Code SWIMS Statton ID FH Dalabase ID	Station Summary				
Date (minDPYTY) Station Name PowNSMLMAN NEW WART (LINE Rd Latitude Latit	Stream Name	3/4m	y ID Code SI	NIMS Station ID	FH Database ID
Date (minDPYTY) Station Name PowNSMLMAN NEW WART (LINE Rd Latitude Latit	UNNAMED . TRIB TO ROCKY END	1-110			
Datum Used HANDHELP C.PS UNIT Start Longitude End Latitude End Longitude County AUGS - BH Start Latitude Start Longitude End Latitude End Longitude County AUGS - BH Start Latitude End Longitude End Longitude County AUGS - BH AUGS -	Date (MMDDYYYY) Station Name	(BAC)			•
Datum Used HANDIKELY C.85 UNIT Start Latitude County Grant Legitude End Legitude End Legitude County Grant Legitude End Legitude End Legitude End Legitude County Grant Legitude End Legitude End Legitude County Grant Legitude End Legitude End Legitude County Pl. 55387 Douglas Time (24-hr clock) Air Temperature (2) F Water Temperature (2) F Conductivity (us/cm) Transparency (cm) Clear Turbid Start Clerity: Clear Turbid Start Clerity: Clear Turbid Start Clear Channel Legitude Channel	07/28/2016 DUWNSMEAN	George Count	ILINE R	0	
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Water Characteristics Time (24-hr clock)	46,57633 91.55486	46,57650	91.55	387 Do	UGLAS
Mater Level (check one - measure distance if Above or Below Normal):	Water Characteristics				
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0.9 # 10/al snack 1 mc 13:23		ecessary)			
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SPOT-SHOCKED ON 6/6 DURING CULVERT INVENTORY
* CAPTURED 2 BKT, IRBT, 2 CMM
(4.0,5.9") (4")

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Form 3600-532A (R 6/07)

Station Summary Stream Name 7 47 N 76 76 Waterbody ID Code SWIMS Station ID FH Database ID Waterbody ID Code SWIMS Station ID FH Database ID Waterbody ID Code SWIMS Station ID FH Database ID Waterbody ID Code SWIMS Station ID FH Database ID FH Database ID Water ID R 10 N ROLL 4 Row PA 10 Station Name 2 11 5 12 20 Datum Used Latitude - Longitude Determination Method Used Latitude - Longitude Determination Method Used Latitude - Longitude Datum Used Latitude Langitude Datum Used Latitude Datum Used Latitude Langitude Datum Used Latitude Datum Used Latit	nstructions: Bold fields must be compl	eted. Record all measuremer	nts in metric units.		
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Date (MMDDYYYY) Station Name Complete Datum Used		N TRIB TO Wate	rbody ID Code SWIN	IS Station ID	H Database ID
atitude - Longitude Determination Method Used County	UNN CR 1-la RIOV	N ROCKY RUN			
Transparency (cm) Datum Used Determination Method Used Datum Us		· . 4			
Datum Used LPS - BARMIN CASMIP 78 tart Latitude Start Longitude End Latitude End Longitude End Longitude LPG 57633 W-91.55486 N446.57650 W-91.55387 Devictors Ime (24-hr clock) Air Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm) Sissolved Oxygen (mg/li) Dissolved Oxygen % Saturation pH Iow (m³/sec) Water Level (check one - measure distance if Above or Below Normal): Water Clarity: Normal Below:		FROM COUNTY LI	NE RD.		
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Aler Characteristics Ime (24-hr clock)	6PS- BARMIN GPS,	MAP 78			MO-284
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Mater Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm)		5486 N46.57650	W-91,5538	37 Doule	US
ssolved Oxygen (mg/l) Dissolved Oxygen % Saturation OW (m³/sec) Water Level (check one - measure distance if Above or Below Normal): Normal Below:					
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Normal Below:	(2)				
Pan Stream Width (m) ESTIMATED - 1.0 Pannel Condition: Natural > 20-year-old 10- to 20-year-old Channelization Concrete Channelization Channelization Sinusity Gradient (m/km) Stream Order Basin Area (km²) Omments / Notes PUNS THROUGH ALDER & CONFER SCIENT, LIGHTLY STANLED WITTER, LOW ALDIENT , SUBSPRATE PREDOMINATELY STANLED WITTER, LOW		ck one - measure distance if Ab	ove or Below Normal):	Water Clarity:	
Station Length (m) ESTIMATED - 1.0 Pannel Condition: Natural > 20-year-old 10- to 20-year-old Channelization Concrete Channelization Channelization Channelization Channelization Stream Order Basin Area (km²) Pannents / Notes PLUNS THROUGH ALDER & CONFER SCHAP, LIGHTLY STANLED WASER, LOW ALDIENT , SUBSPRATE PREDOMINATELY SAND, LOTS OF SMALL WEND	🖄 Normal 📙	Below:(m)	Above:(m	n) Clear	Turbid Stained
Pannel Condition: Natural > 20-year-old Channelization 10- to 20-year-old Channelization Concrete Channelization Concrete Channelization Sinusity Gradient (m/km) Stream Order Basin Area (km²) Concrete Channelization Concrete Channeliz	nannel and Basin Characteristics				
nannel Condition: Natural > 20-year-old 10- to 20-year-old < 10-year-old Concrete Channel Chan	ean Stream Width (m)	Sta	tion Length (m)		
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OMMENTS / Notes RUNS THROUGH ALDER & CONIFER SCHOOL, LIGHTLY STAINED WASER, LOW RADIENT, SUBSPRATE PREDOMINATERY SAND, LOTS OF SMALL WEND	ercent Channelization Sinuosity	Gradient (m/km)	Stream Order	Basir	Area (km²)
RADIENT, SUBSIRATE PREDOMINATERY SAND, LOTS OF SMALL WOOD					
RADIENT, SUBSPRATE PREDOMINATERY SAND, LOTS OF SMALL WOOD			<u> </u>		
RADIENT, SUBSPRATE PREDOMINATERY SAND, LOTS OF SMALL WEND	ZUNS THROUGH ALDER	E CONIFER SENDE	up, Walter	STANED W	ASER, LOW
URRIS IN STREETS CHANNEL	RADIENT, SUBSIRAT	e pretoominate	zy Sand, a	ors of s	man woody
'Unio	URRIS IN STRETHING O	HANNEL			
ABITHE ASSESSMENT DONE USING NOTES FROM FISH SLEVEY, AGRENCE					

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

Page 2 of 2

Rating Item	Excellent	Good	Fair	Poor	Score
Riparlan Buffer Width (m) Width of contiguous undisturbed land uses; meadow, shrubs, woodland, wetland, exposed rock	Riparian zone well protected; buffer wide (> 10.0 m)	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m) UPPLE CALD OF STATION IN PROVIDED OF TOTAL (10)	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)	10
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0,20 m of bank is bare soll	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil	Extensive erosion; > 1.0 m of bank is bare soil	10
	15	(10)	5	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or over- abundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	3
	10	7	3	0 -	
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	5
and pools	15	10	(5)	0 .	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	5
.	15	10 ·	· (5)	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	5
	15	. 10	of sampsier	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	5
	15	. 10	(5)	0	
				Total Score	43

Trout Stream Classification Checklist (revised 2/2016)

(This completed checklist should accompany any trout stream classification changes. Check the items as appropriate and attach comments if desired.)

Stream name: Red River

County: <u>Douglas</u>

WBIC: 2845800

Define the portion of the stream to be classified. Please provide both a written description and the coordinate locations of the upstream and downstream beginning and end points.

Red River (T48N R15W S32; T48N R15W S31; T48N R15W S29; T48N R15W S28; T48N R15W S21; T48N R15W S16; T48N R15W S15; through T48N R15W S10), Town of Superior; 6.3 miles beginning at the Wisconsin-Minnesota boarder, approximately 0.42 mile north of County Highway W, downstream to the confluence with the St. Louis River.

This written description should reference permanent, unambiguous landmarks that would allow a person unfamiliar with the area to locate the points (e.g., dams, road crossings, stream confluences, county lines, section lines, township lines)

Upstream point coordinates: 46.60139° N, -92.29159°W Downstream point coordinates: 46.64916° N, -92.23589°W

Classification proposed: Non-Trout

- X Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at <u>DNR Superior paper files</u>, Superior network electronic files, Fisheries Management Database (query WBIC)
- X Fish team supervisor and district fisheries supervisor have approved the classification. Date: 09/28/2020
- X Fish Biologist has consulted with the following staff in their office or district
- X Permit Drafter: Eric de Venecia, 9/25/2020 Concerns Yes (No.
- X Water Resource Specialist: John Kleist, 10/3/2020 Concerns Yes (No
- X Water Management Specialist: Jenny Murphy, 10/3/2020 Concerns Yes (No)
- X Water Management Specialist: Dan Harrington, 10/15/2020 Concerns Yes (No)
- V Drinking and Groundwater staff: Christian Martinez, 10/3/2020 Concerns Yes (No)
- X Public notice published in local newspaper or other media. 10/9/2020

<u>X</u> Notice sent to all clerks of the county, town, city, or village in which the stream is located. 10/8/2020 Notice sent to legislators in the affected districts. 10/8/2020 X X Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. 10/8/2020 No hearing requested 30 days after public notice. <u>X</u> <u>N/A</u> Hearing requested, held, and classification recommended. Date: N/A Signed: Date: 12/1/2020 Fisheries Biologist Approved: Date: <u>01 Dec 2020</u> Fish Team Supervisor Date: <u>01 Dec 2020</u>

District Fisheries Supervisor

<u>dnr.wl.gov</u> Instructions: Bold fields must be completed. Station Summary Stream Name Waterbody ID Code SWIMS Station ID FH Database ID Ked River Hikein + Hung W 10 tercetron Latitude - Longitude Determination Method Used Datum Used Start Latitude Start Longitude End Latitude End Longitude County N46.100 120 092,28971 N410,10001210 WO92.2899A Time (24-hr clock) Air Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm) 625 Dissolved Oxygen (mg/l) Dissolved Oxygen % Saturation рΗ Flow (m³/sec) Water Level (check one - measure distance if Above or Below Normal); Water Clarity: O_Normal O Below: (m) () Above: Turbid Stained Channel and Basin Characteristics Channel Condition: > 20-year-old Channelization O 10- to 20-year-old Channelization < 10-year-old Channelization (check one) ○ Natural Concrete Channel Mean Stream Width (m) Percent Channelization Sinuosity Gradient (m/km) Stream Order Basin Area (km²) Illom Sampling Description Sampling Type (check one): Depletion Mark-Recapture Other - Specify: Station Length (m) Start Time (24-hr clock) Finish Time (24-hr clock) 1001 116m 10:30 Type of Pass (check one): Upstream Only O Upstream, then Downstream Other - Specify: Gear (indicate number of each type used): Number of Anodes per Unit Backpack Shockers Stream Shockers Mini-Boom Shockers **Current Type:** Amps Rate Duty DC
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 O AC (C) DCP 80 300 1, 6-1.8 Dip Net Mesh Size (inches) and Type (bar, Ace, Delta, etc.) # of Dippers 1/8 heavy Delter Person(s) Who Collected Data (Full Names) 'Doerr, Nelson Comments / Notes (continue on the back of this sheet if necessary) = Alkmpxing to recreate tocoff Toshner station from 2005 - No trout observed or captured - Substrak: dominated by clay w/some sand, grevel, cothe + Boldons - Highly instruct whatbundont exposed roots on banks - Station between BNSF railinard & N Country trail bridge - Visability Poor due to terbital & stained water 26 "visability

- some gradent check from all by noot idebr mail block passage at

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BSB- Brook sticke toach - CHB- Creek Chub

· Fat - Fathead

@ Mort

-Majorly of fish eaptured in 1/3 of station

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

Page 1 of 2

Instructions: Bold fields must be completed. Record all measurements in metric units. Stream Name Waterbody ID Code SWIMS Station ID FH Database ID 2845800 RIVER Date (MMDDYYYY) 12-1-2020 MIKE IN Latitude - Longitude Determination Method Used Datum Used GPS- BARMIN GPSMAP W6584 Start Longitude End Longitude County W-92, 2899 N46.60 120 N46.60126 Water Characteristics Time (24-hr clock) Air Temperature (C) Water Temperature (C) Conductivity (µs/cm) Transparency (cm) 62 6 Dissolved Oxygen (mg/l) Dissolved Oxygen % Saturation Water Level (check one - measure distance if Above or Below Normal): Flow (m³/sec) Water Clarity: Normal Below: _ Clear X Turbid Stained (m) Above: _ (m). Channel and Basin Characteristics Mean Stream Width (m) Station Length (m) <u>3.31</u> **Channel Condition:** 10- to 20-year-old > 20-year-old < 10-year-old Natural (check one) Concrete Channel Channelization Channelization Channelization Percent Channelization Sinuosity Gradient (m/km) Stream Order Basin Area (km²) Comments / Notes 57A-771N present OF ERUSION OF CHAM BANKS

RECOLLECTION DURING FISH SURVEY

Wadable Stream Qualitative Fish Habitat Rating for Streams < 10 m wide

Form 3600-532A (R 6/07)

Page 2 of 2

Dating Itam	Eveellent	Cood	Fair	Door	Caara
Rating Item Riparian Buffer Width (m)	Excellent Riparian zone well protected; buffer	Good Riparian zone protected, but	Riparian zone moderately	Poor Most of the riparian zone	Score
Width of contiguous undisturbed land	wide (> 10.0 m)	buffer width moderate	disturbed, buffer narrow	disturbed, buffer very narrow or	
uses; meadow, shrubs, woodland,	SPECTURE OF -ONK OWN	(5.0′-10.0 m)	(1.0 - 4.9 m)	absent (< 1.0 m)	15
wetland, exposed rock	(15)	10	5	0	12
Bank Erosion Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil	Limited erosion; 0.20 - 0.50 m of bank is bare soil	Moderate erosion; 0.51 - 1.0 m of bank is bare soil ULANNEL INCLISED, ELEDINUL CLAY	Extensive erosion; > 1.0 m of bank is bare soil	5
	15	10	(5)	0	
Pool Area % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station	Pools present; not frequent or overabundant; 30 to 39% or 61 to 70% of station	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station	7
	10	WHIST OF T	3	. 0	,
Width:Depth Ratio Average stream width divided by average thalweg depth in runs	Streams very deep and narrow; width/depth ≤ 7	Stream relatively deep and narrow; width/depth 8-15	Stream moderately deep and narrow; width/depth 16-25	Stream relatively wide and shallow; width/depth > 25	10
and pools .	15	(10)	5	0	
Riffle:Riffle or Bend:Bend Ratio Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14	Habitat diversity low; occasional riffles or bends, ratio 15 to 25	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25	10
	15	(10)	5	0	
Fine Sediments % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%	Fines extensive in all habitats; > 60% of stream bed covered	5
	15	10	BY CLAY 5 SAULO	0	
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream	Cover common, but not extensive; 10 - 15% of stream	Occasional cover, limited to one or two areas; 5 - 9% of stream	Cover rare or absent; limited to < 5% of stream	1.0
	. 15	(10)	5	0	
				Total Score	62



WISCONSIN DNR FISHERIES INFORMATION SHEET

RED RIVER DOUGLAS Stream Name: County:

2845800 WBIC:

2012

Survey Year:

Paul Piszczek - Lake Superior tributaries downstream of barrier - 715-392-7990

Zachary Lawson - Inland Waters; lakes, Lake Superior tributaries upstream of barrier, streams in St Croix basin -WDNR Fish Biologist Contact Information

Dray Carl - Lake Superior -

WDNR Survey ID: 454189084 Target Species: ALL SPECIES Gear Type: BACKPACK SHOCKER Jul 30, 2012 to Jul 30, 2012 Survey Dates: Survey Type: SPECIAL STUDY Survey Information

-92.2379 Longitude: Latitude: 46.645603 COLDWATER Natural Community: Station Information

T-R-S-Q-QQ: 48N-15W-15-NW-NE Avg. Width (m): 400 METERS Length: Station: RED RIVER (APPROXIMATELY 3/4 MILE UPSTREAM FROM MOUTH)

Fish Community Metrics

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Species Found (Number Caught)	**Total Number of Fish:
BLACK BULLHEAD (1)	Number of Intolerant Species:
CENTRAL MIDMINDW (1)	Percent of Salmonids that are I
CHANNEL CATFISH (2)	Percent of Cool and Coldwater
COMMON SHINER (1)	Percent of Top Carnivore Indiv
CREEK CHUB (2)	Percent of Tolerant Individuals
FATHEAD MINNOW (15)	Number of Sunfish, Yellow Per
GOLDEN SHINER (1)	Number of Darter species:
JOHNNY DARTER (3)	Number of Native Species:
LOGPERCH (1)	Number of Darter, Madtom, Scu
NORTHERN PIKE (2)	Number of Sucker Species:
PUMPKINSEED (427)	Number of Sunfish Species:
SLIMY SCULPIN (3)	Percent of Intolerant Individual
TUBENOSE GOBY (1)	Percent of Insectivore Individu
WHITE SUCKER (5)	Percent of Omnivore Individual

			_
**Total Number of Fish:	465	465 Coldwater IBI Score:	30
Number of Intolerant Species:	_	Coldwater IBI Rating:	Fair
Percent of Salmonids that are Brook Trout:	%0	Cool-cold Transition IBI Score:	90
Percent of Cool and Coldwater Indiviuals:	1%	Cool-cold Transition IBI Rating: Excellent	lent
Percent of Top Carnivore Individuals:	1%	Cool-warm Transition IBI Score:	80
Percent of Tolerant Individuals:	2%	Cool-warm Transition IBI Rating:	lent
Number of Sunfish, Yellow Perch Species:	~	*Warmwater IBI Score, Lake Superior:	90
Number of Darter species:	7	Warmwater IBI Rating, Lake Superior:	Good
Number of Native Species:	13	*Warmwater IBI Score, N. WI	45
Number of Darter, Madtom, Sculpin Species:	က	Warmwater IBI Rating, N. WI	Fair
Number of Sucker Species:	~		
Number of Sunfish Species:	٢		
Percent of Intolerant Individuals:	1%		
Percent of Insectivore Individuals:	94%		
Percent of Omnivore Individuals:	2%		
Percent of Simple Lithophils Individuals:	2%		
Number of Tolerant Species:	ဖ		
Number of Top Carnivore Individuals:	4		
Number of Tolerant Individuals:	25		
Number of Cool and Coldwater Individuals:	ო	* Warmwater IBI corrected scores	
		** Total Number of Fish may not match the total of Number Caught because threatened or endangered species are not listed as Species Found, but are	

Survey ID # 227214

Red River Lower Station

SWING STATION ID # = 100 29329

Wibc 2845800

start point 46.64227 -92.24108

12000 / River 9/3/08

1208 pm - 1222

N46 38' 35.1

WO91 14' 29.7'

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SWIMS STATION ID# 100 29330 SUPVEYID# 2272168

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County:			•		Volts: Z	91	Pulse Rat	e: 07	9	End Time:	1:41	D.M	
Station Na	ame or Des	scription:			Amps: Z	.64	Duty Cycle	e: 15	5	Total Time	= 29 m	mtes	
Start Lat/L End Lat/L Collectors	Red	River	State	lie	No. of Dip	pers/Anod	es (11)	[2]	[3]	Distance S	Shocked:	p.m ndes 310 ft	
Start Lat/L	ong:	,	29 10	10.2	Survey Ty	ne: CPUE		Mesh Size	,.	Pass Tyne	מו ממושיב	n] [Up-Dn]	[Other]
End Lat/L	ona. U/a	3621	2 92	7115	Weather	Sunr	14	1110511 0120	,·	Waterle	vol: [Hi]	Norm)	[wo II]
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State of Wisconsin
Department of Natural Resources

State of Wisconsin
Department of Natural Resources

Two B Ctp Wadable Stream Fish Community Evaluation Form 3600-230 (R 7/00) Page 1 of 7

Instructions: Bold fields must be	e completed.				
Selor Sundely					
Stream Name	/	JUST VPSTPENWaterbod	y ID Code Site M	lile Station No.	Date (YYYY MM DD)
Stream Name Red Liver	3-d Order)	PLUEVILINE 2845	800	<i> </i>	2006 08 17
Startiou Location	Andreas and the control of the contr	•	1. ***		on 14 - 14 14
Walkod in north	of Hory W. &	Hwy, C		8N 15W 21	
Latitude - Longitude Determina	ation Method Used	-			Datum Used
	61	P5		. ·	NAD83
Start Latitude N46°, 62542 William	Longitude /	End Latitude	End Longitude	7.5' Quad Ma	ap Name
N46. 623 44 NO	92°.126093	N46°, 6243+	m.042,190	190	
Basin Name		Watershed Name,		County	
8t, Croix	<u> </u>	St. Louis / Lowe	- MANICA) 11	Dougle	i\$
Sampling និចនាអ្នកស្រីលើ៖					
Sampling Type (check one):					
⊠cpe □	Depletion	Mark-Recapture	Other	- Specify:	
Station Length (m)	· s	tart Time (24-hr clock)		Finish Time (24-hr c	clock)
/23	:	1030		1142	<u> </u>
Type of Pass (check one):					
Upstream Only	Upstream	n, then Downstream	Other	- Specify:	<u> </u>
Genral Resignation					
Gear (indicate number of ea	ch type used):				
·· , · · · · · · · · · · · · · · · · ·	•			•	
Backpack Shockers	<u> </u>			Other - Specif	y:
Number of Anodes per Unit	Block Nets (indica	te number and mesh s	ize):		
1	Upstrean	n Block Nets (Mesh:		_ Downstream Block	Nets (Mesh:)
FoHBackpackand Stream Snot	Res				
Anode Size	Anode Material Th	ickness Anode Shap	e (check one):		
(long axis or diameter) (mm)	(diameter) (mm)				•
		L∠Diamo	ona L. Hoop	Other - Specify:	
aprillingsoom Shootkers					
Anode (front dropper) Lengt	th (m) A	node (front dropper) D	iameter (m)	Number of Fro	nt Droppers
			·	• •	
vice Redires					
Type of Electroshocker Curr	ent (check one): E	lectroshocker Control	Box Meter Readi	ngs: If Pulsed DC:	
	_,	Voltmeter (V)	Ammeter (A)	Pulse Rate	Duty Cycle (%)
□AC □DC □	Pulsed DC	300'	0.78	80	20.0
Person(s) Who Collected Fish	Data (Full Names)		,	<u> </u>	
Fik Line	1			• :	
Comments / Notes (continue		heet if necessary)			
Turbidity hi	•	•			• • • •
1.00000117 61	97	• •	•		
Slow Current					
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Species Greek Chub				Γ						. !
Species			<u> </u>	<u> </u>	•					
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White Sucker	WIW	11	<u> </u>		 			• ~		
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Wadable Stream Fish Community Evaluation

Lab Check Page 2 of 7 2006 08 14 **□** # Date (YYYY MM DD) Down Number Recaptured Z Z Number Marked Pass Direction: Station No. Number w/ Number of Number of DELT Mortalities Vouchers Form 3600-230 (R 7/00) Total Time (min.) Site Mile なり Waterbody ID Code 2845800 Total Time (24-hr clock) End: Weight (g) : Gross Tare Start Number Caught アナル: brid: 3d Order 36 Š ħ 3 Timė (24-hr dock) Start: 1030 Brook Stickback Species White Sucher COOK Chub Mudmingow Stream Name ا Cettede Sylamati Comments / Notes Pass Number Sheet



WISCONSIN DNR FISHERIES INFORMATION SHEET

RED RIVER DOUGLAS County:

Stream Name:

2845800

2006

Survey Year:

Zachary Lawson - Inland Waters; lakes, Lake Superior tributaries upstream of barrier, streams in St Croix basin -

WDNR Fish Biologist Contact Information

Dray Carl - Lake Superior -

Paul Piszczek - Lake Superior tribufaries downstream of barrier - 715-392-7990

Target Species: ALL SPECIES WDNR Survey ID: 91578 Gear Type: BACKPACK SHOCKER Aug 17, 2006 to Aug 23, 2006 Survey Dates: Survey Type: BASELINE RANDOM **Survey Information**

Length: 46.6012 Latitude: RED RIVER- WALK IN NORTH OF INTERSECTION OF HWY W AND HWY C-STATION #2 COLDWATER Natural Community: Station Information

Station:

T-R-S-Q-QQ: 48N-15W-31-NE-NE Gradient: 9999 Avg. Width (m): null -92.2903

Longitude:

116 METERS

	**Total Number of Fish:	Number of Intolerant Species:	Percent of Salmonids that are Brook Trout:	Percent of Cool and Coldwater Indiviuals:	Dercent of Ton Carnivore Individuals:
Fish Community	Species Found (Number Caught)	BROOK STICKLEBACK (18)		WHITE STOKES (43)	

	Fish Co	Fish Community Metrics
**Total Number of Fish:	154	Coldwater IBI Score:
Number of Intolerant Species:	0	Coldwater IBI Rating:
Percent of Salmonids that are Brook Trout:	%0	Cool-cold Transition IBI Score:
Percent of Cool and Coldwater Indiviuals:	12%	Cool-cold Transition IBI Rating:
Percent of Top Carnivore Individuals:	%0	Cool-warm Transition IBI Score:
Percent of Tolerant Individuals:	100	Cool-warm Transition IBI Rating:
Number of Sunfish, Yellow Perch Species:	0	*Warmwater IBI Score, Lake Superior:
Number of Darter species:	0	Warmwater IBI Rating, Lake Superior:
Number of Native Species:	က	*Warmwater IBI Score, N. WI
Number of Darter, Madtom, Sculpin Species:	0	Warmwater IBI Rating, N. WI
Number of Sucker Species:	~	
Number of Sunfish Species:	0	
Percent of Intolerant Individuals:	%0	
Percent of Insectivore Individuals:	12%	
Percent of Omnivore Individuals:	. 28%	
Percent of Simple Lithophils Individuals:	28%	
Number of Tolerant Species:	က	
Number of Top Carnivore Individuals:	0	
Number of Tolerant Individuals:	154	
Number of Cool and Coldwater Individuals:	42	* Warmwater IBI corrected scores
		** Total Number of Fish may not match the total of Number Caught because threatened or endangered species are not listed as Species Found, but are

F1-242

Box 450 Madison, Wisconsin 53701

Sluggish Moderate Rapid 14 - 61
Douglas
Township Range Tit Tit
The R15W 30
Avg. Width (H.) Depth (C.f.s.) Flow (C.f.s.) Flow (C.f.s.) Sluggish \(\) Moderate \(\) Repid \(\) Avg. Flood Crest (H.) \(\) Avg. Sluggish \(\) Moderate \(\) Repid \(\) Avg. Flood Crest (H.) \(\) Avg. Sluggish \(\) Moderate \(\) Avg. Moderate \(\) Repid \(\) Avg. Flood Crest (H.) \(\) Avg. Sluggish \(\) Moderate \(\) Avg. Moderate \(\) Repid \(\) Avg. Flood Crest (H.) \(\) Avg. Sluggish \(\) Moderate \(\) Avg. Moderate \(\) Repid \(\) Avg. Flood Crest (H.) \(\) Avg. Sluggish \(\) Moderate \(\) Avg. Moderate \(\) Av
Stained
WATER Clear Stained Dirty 220x1.315ff
WATER LEVEL CONDITIONS Clear - no recent rain
WATER LEVEL CONDITIONS PRIOR WEATHER CONDITIONS PRIOR WEATHER CONDITIONS Clear - no recent rain
POLLUTION None STREAM BOTTOM TYPES (%)BedrockHardpanMarlDetritus AQUATIC VEGETATION (Species) Abund. AQUATIC VEGETATION (Species) Abund. AQUATIC VEGETATION (Species) Abund. None INSTREAM COVER Scarce Common Abundant Stable Unstable AQUATIC LIFE Scarce Common Abundant Undercut banks X Rocks, boulders X Mayfly
POLLUTION None STREAM BOTTOM TYPES (%)
None STREAM BOTTOM TYPES (%) BedrockHardpanMarlDetritusDetritus
Bedrock Hardpan 30 Boulder 10 Rubble 30 Gravel B POOL-RIFFLE RATIO 2 AQUATIC VEGETATION (Species) Abund. AQUATIC VEGETATION (Species) Abund. None INSTREAM COVER Scarce Common Abundant Stable Unstable Stonefly Rocks, boulders X Mayfly
AQUATIC VEGETATION (Species) Abund. AQUATI
AQUATIC VEGETATION (Species) None Abund. AQUATIC VEGETATION (Species) ADVA ADVA ADVA ADVA ADVA ADVA ADVA ADV
INSTREAM COVER Scarce Common Abundant Stable Unstable AQUATIC LIFE Scarce Common Abundant Undercut banks x Mayfly
Undercut banks x Stonefly Rocks, boulders x Mayfly
Undercut banks x Stonefly Rocks, boulders x Mayfly
Undercut banks x Stonefly Rocks, boulders x Mayfly
Undercut banks x Stonefly Rocks, boulders x Mayfly
Logs, trees Z Caddisfly Amphipads X
Debris x Shrimp
Aquatic Vegetation x Crayfish
STREAM BANK VEGETATION Birch, Ash, Elm,
% Cultivated50% Upland HardwoodMaple, Aspen
STREAM COVER FISHABILITY
Dense Martly Open Dense Martly Open Excellent Good Fair Poor
BANK ERUSION
Heavy Medium Light None Man-made O BANK HEIGHTS
Beaver (active) 0
lit Beaver (inactive)
REMARKS Class Ia Brook Trout stream - 10g and tree cluttered stream bed - trout density appears
to be low - experiences flow extremes annually - access to stream is difficult walk-in.
(use back of sheet for additional remarks)
DATE OF SURVEY INVESTIGATOR
5-19-72 L. Sather and S. Johannes

WISCONSIN CONSERVATION DEPARTMENT Madison, Wisconsin 53701

STATION FISH SAMPLING SUMMARY

TREAM				<u> </u>	INVESTIGATOR								
·	Red Ri	ver			Д,	mes							
Area Sampled:	LENGTH		WIDTH	AREA	1	NO. P	S. Johani er acre	l '					
Sampled:	5001	est.	51		2			May	19. 1972				
SIZE RAN	ICE		·· ·		SPECIES	1							
		Brook	Trout										
1 1 1 4													
1.0 - 1.4 1.5 - 1.9													
2.0 - 2.4													
2.5 - 2.9													
3.0 - 3.4				···									
3.5 - 3.9				· · · · · · · · · · · · · · · · · · ·	···		 		···				
4.0 - 4.4		7											
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5.0 - 5.4		111											
5.5 - 5.9	-	11											
6.0 - 6.4													
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6.0 - 16.4			FII										
6.5 - 16.9		1-7	¥ ·′										
7.0 - 17.4 7.5 - 17.9		<u> </u>		- -									
8.0 - 18.4													
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5 + (give actu	al size)								 				
ATOT		11		į.	ı	1	1		1 -				

FI-242

Box 450 Madison, Wisconsin 53701

NAME OF STREAM			11	urvey	Station	POINT O	F EXAMINAT	ION		· Co o	າຕ ml. Qxr	מז ר'נע
	River		!	No	T	յ Մ <u>յ</u>	ostream fr	com rive	ers mout	n. Sec.	15, 140N	, KTPM.
COUNTY Doi	ıglas									· ·		
Township Range	Section			Distar	nce Sampled -8001			l bask	a a la mb	0.0]=0.10		
48N 15W		15	l		VELOC		2 Volt A.(, pack	pack sn	ocker.	Max. Flood (ft.)	Crest
Avg. Width (ft.)	vg. Dep	otn]	Val. of Fi (c.f.s.)	ow			to Exam	Moderate	·	Rapid	(fr.) 1.00a	
15'	0.8	3 .	2.0		•	Sluggish		Moderate				
WATÉR			CO	NDUC	TANCE T	EMPERAT	URE			рН	M.P.A.	
Clear S	Stained	Dir	·y	418	677	61 ⁰ Wat		Air 1	2:00 p.	m. 7.6	29	2 ppm
WATER LEVEL CO			1		WEATHER		NS night bei	fore.				
In. Below POLLUTION	Normal	In. Abo	ove									
	one					·_				COL CDARE	·	
STREAM BOTTOM		6 (%) Clay	in pl	aces	3					OOL GRADE	В	ļ
Bedrock	•••••	Ḥardpa				Ru		Grav	el P	OOL-RIFFLE		
100Sand		Silt		M		De	tritus (Species)	Abund.	ADUATIC	VEGETATIO	N (Species)	Abund.
AQUATIC VEGETA Instream			Abuna	^4	MATIC VE	GETATION	((Species)	A Bolla.	AGUATIC	YEOR IXIIO	1, (op-10-)	
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•		•										
INSTREAM COVER		Scarce .	Comm	ion	Abundant	Stable	Unstable	AQUATIO		Scarce	Common	Abundant
Undercut banks		<u> </u>		\dashv	x		-	Stonefl	<u>y</u>	0		
Rocks, boulders		None			· · · · · · · · · · · · · · · · · · ·			Mayfly		0	<u> </u>	
Logs, trees					x		•	Caddis	fly	0		
Debris			x					Shrimp		. 0		
Aquatic Vegetati	on	ж		•				Crayfis	sh	0		
STREAM BANK VE			.1							!		
**************	% ርካ፤ተ	ivated	_			70 % U	pland Hardwo	od Aspe	n, birch	ı <u>, ash</u> %	Swamp Con	ifer
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								spruce	W .			
	% Mea	dow Pastu	re ·		********		wamp Hardwo FISHABILITY		••	%	Open Mars	n
STREAM COVER Dense		Partly	y Open		X O	I		ellent	፳□ Good	Fai	ir []]	Peor
BANK EROSION	ba	nk slide	es in r	lac			DAMS		Number	Height	Pool A	rea Above
Heavy BANK HEIGHTS	[X:] M	ledium to	[X] Li	ght		one	Man-made		0			-
BANK HEIGHTS							Beaver (act	ive)	0	<u>:</u>		
	То	10' in	places	3.			D C	-4:\	0			
REMARKS	· ·				on or to	ker î	Beaver (ina excellent		t etnor	housever	there	ig en
Rock Bass - 1		_1					: life (fi					
White sucker N. Pike - 1		ine de	ep blu	ie-g	reen poo	ols and	root tang	les pro	viding r	nost of t	he cover	. Bottom
		1.	s 100%	shi ***	fting sa	ind with	an occas	ional o	Lay poci	cet - stro ating (e	eam cover	r is very Tre broke
DATE OF CURVE		. s	centc A	A Τ (1)	> (REGREEN		. asnen ap		T OU OWITH	anting. (g.	HOOVET. M.	TTO DIOVE
DATE OF SURVE		, ===					, wo i tort		7.3			
ļ	Augu	st 12, 3	1971					S _i	. Johann	38		

Type of Water: Lake	7T 20 24	
Type of Woter: Lake Stream X. Impoundment Type of Woter: Lake Stream X. Impoundment Type of Woter: Lake Impoundment Impoundmen	20	
Dimensions: Length (miles and tenths)		
Depth: Mean		
> 20 feet (percent)	24	2
Shore Length (miles and tenths): Littoral Bottom Types (percent): Sand Gravel Bedrock Marl: Detritus Bedrock Marl: Detritus Boulder Watershed Land Cover (percent): Agriculture Wetland Littoral Bottom Types (percent): Watershed: Area (square miles): Landlocked: Vers Width (feet) Navigability Watershed: Landlocked: Vers Water Control Structure: Owner Height (feet) Water Control: Water Control: Water Chemistry: Date Mari Littoral Bottom Types (percent): Sand Sand Sand Sand Hardpan Boulder Rubble Sand Hardpan Boulder Rubble Sand Sand Hardpan Boulder Rubble Sand Sand Hardpan Boulder Rubble Sand Sand Sand Hardpan Boulder Rubble Sand Sand Sand Hardpan Boulder Rubble Sand Sand Sand Hardpan Boulder Rubble Sand Sa		21
Littoral Bottom Types (percent): Sand	27 29	
Gravel	'डेंग	3
Bedrock Boulder Rubble 37 Silt or Muck Marl Detritus 38 Direct Drainage Area (square miles):	'34	
Silt or Muck Marl Dethtus STORMACK Marl Dethtus STORMACK Marl Dethtus STORMACK Marl Dethtus STORMACK Marl Dethtus STORMACK Dethtus STORMACK Marl Dethtus STORMACK DETHTUS STORMACK DETHT	36	
Watershed Land Cover (percent): Agriculture Wetland 1 Wild 99 45 Watershed: Area (square miles)12.20	38 40	
Watershed: Area (square miles)	42	-
Watershed: Area (square miles)		
Inlets: Number I. Width (feet) Navigability No. Volume 2.0. Outlet: Width (feet) I.b. Navigability Yes. Volume 2.0. Outlet: Width (feet) I.b. Navigability Yes. Volume 2.0. Outlet: Width (feet) Type Purpose Yes Owner Height (feet) Type Purpose Yes Owner Purpose Yes Seepage Spring X Drained Seepage Spring X Drained Yes Ye	48	ı
Outlet: Width (feet)	'50	5
Andlocked: TYES NO OUTLET TO ST. LOUIS River Water Control Structure: Owner Height (feet) Type Purpose Water Source: Drainage Seepage Spring X Drained Flow of Outlet (cfs): 20.01s. Water Chemistry: Date Aug. 12, 1971 MPA Alkalinity (ppm) 292		
Height (feet) Water Control Structure: Owner Brundlocked: Type Purpose Water Source: Drainage Seepage Spring X Drained Flow of Outlet (cfs): Water Chemistry: Date Aug. 12, 1971 MPA Alkalinity (ppm) 292		
Water Control Structure: Owner Height (feet) Type Purpose Water Source: Drainage Seepage Spring X Drained Flow of Outlet (cfs): 20.cfs. Water Chemistry: Date Aug. 12, 1971 MPA Alkalinity (ppm) 292		
Owner Height (feet) Type Purpose Water Source: Drainage Seepage Spring To Drained Water Chemistry: Date Aug. 12, 1971 MPA Alkalinity (ppm) 292		
Flow of Outlet (cfs): 20.cfs. 89 Water Chemistry: MPA Alkalinity (ppm) 292	'87	1
Water Chemistry: DateAug., 12, 1971		
DateAug12.,1971	<u> </u>	'ह
· · · · · · · · · · · · · · · · · · ·		
pH:	63	· "B
ab about the same and the same about	66	!
Phosphates: (PO ₄) Total Dissolved		<u> </u>
Conductance: C	58	
Watercolor: ClearX., Lt. Brown Med. Brown Drk. Brown Turbid 78	88 71	7
Secchi Disk (depth in feet):	हड '71	7
Gradient Ft./wile Upper Transcripe Depth (test): 24 78 77 Chloride (ppm)		• 7
Selver x x x x x x x x x x x x x x x x x x x	76	7

ophytic Vegetation									•			
Yes	N	. of	,	,	,	Control Me	asures .	*****	***************************************		-	
Species		Abundance		Species		Abundance		S	pecies /	Abundance		
Algae: Yes	No.		Speci	es	1		·					•
arp: Yes				ent on Condition .								
		••••••		***************************************		************	*********			************		
		Ņo .		Species		***********	***********	••••			π	
ollution:	/es	No	Ж	Source		···········	Popes	****	9 _ 31	***************************************	12	
asic Management	ivers: - Me	welle	Dake	Man Natu	gr4	re le	nath.	****	Class In (Srook	13	
zore management, a					*******	trant		\$	io miles		TŦ	
***********************	*************							****				
sh Species: Desc	ibe as P	resent (P)	, Con	nmon (C), or Abunda	nt (A)						
Muskellunge			c	Lakė trout					Burbot	Ð		
Northem pike	P. 75		ر . a	Brook trout	2	37			Bulbot	<u>P</u> .	00	
Mud pickerel	16	-	m o	Brown trout		38			Sheepshead			
mad prekerer	117		ř	Rainbow trout	*****	ਤ ਬ ੋ			опсерынева	•****	67	
			d a	Cisco	•••••	য়ত		Α				
		•	ė	Whitefish	*****	<u>和</u>		ç	Rock sturgeon	*****		
Walleye						बट ्		è	Shovelnose stur	geon	9.8	
Sauger	18			Carp	******	43		n s	•	-	ья	
Perch				•		43						
	20		Ç	White sucker	Ç	አ ጽ		Ç	Bluntnose minno	w	क्य	
Largemouth bass	····· '77		a t	Buffalo	*****	45		é	Common shiner	*****	81	
Smallmouth bass	22		o S	Spotted sucker	*****	46 46		[Golden shiner	*****	'R2	
Bluegill ·	***** 123		0	Quillback		A7		3	Redbelly dace	*****	63	
Black crappie	24		Ϊ,	Sturgeon sucker		48'		a	Creek chub	.C	64	
White crappie	725		a	Redhorse		40		6	Emerald shiner	*****	- 66	
Rock bass	.P 28		٠	Lake chub sucker	•••••	50						
Pumpkinseed	***** 727	•	L e	•					Other species		66	
Warmouth	····· '28		P						Sculpin		67	
Green sunfish	····· ' <u>'</u>		s	,			•		***************************************		68	
Ciccu suman			· s	Longnose gar	*****	চা			*************************		69	
Ciccii suii II sii			ė	Shortnose gar	•••••	' 62			***************************************		70	
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White bass	····· '30		•							*************	78	
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White bass Yellow bass Channel catfish Flathead catfish			•		•••••	54						
White bass Yellow bass Channel catfish	····· 32		•	Mooneye	*****	हर हह					78 77	

Parks (name and number): Town Q State Parks (name and number): Town Access Roads With Parking (number):	• .
Parks (name and number): Town	_
Access Roads With Parking (number):	<u>O</u>
Town	0
Access Roads Without Nearby Parking (number): Town	27
Navigable Water Access: Yes	22 23
Commercial and Cottage Facilities (number): Resorts	
Area of Adjoining Wetland (acres)	
Type of Wetland	10 30 30 30 30 30 30 30 30 30 30 30 30 30
Waterfowl: Broods Yesx No	48
Black Yes No XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	45
Coot Yes No	49 80
Other	हा
Puddle Ducks Diving Ducks Coot Canada Geese Other Spring 10-100 1-10 1-10 0 1-10	
Fail 10-700 52 7-10 3 1-10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	62 ·
OTHER DATA	
Access Priority (describe): Required eventually Public Frontage (miles and hundredths): Douglas County Watershed Number:	88 0 50 T
Observations:	68 69 70 7

RED RIVER

Red River 8-25-64 NW Quarter Superior. Air temperature 59° F. Water temperature 56°F. Mouth of river sandy, silt bottom, approximately 30 wide, average 6 feet plus at entrance, gradually tapering off in width and depth, water dark, banks, 4 foot, few dead heads floating about ½ mile upstream. Water begins to show a clay suspension, banks becoming higher, logs and uprouted trees numerous in stream, imbedded in the banks and washed up as high as 20 feet from present water level. Debris covers bottom stream, holes are created from logs and log jams acting as digger poles, some of the holes are 6 feet deep. Current is a medium flow (although it had heavy rain for 4 days) banks are about 15-20 feet high. Feeder Creek believed to have been dry up to the heavy rains. River was checked for about 2½ miles upstream, shocked by stream shocker and packshocker. Fish collected:

Nort	hern pike	Burbot C.	ek chub	Sucker	Pumpkinseed	Muddler
9.5 8.7	7.5 7.0 7.0		5.3 2.1 3.2 2.9		4.1 (only one)	numerous
8.2	7.2	3.3	3.1 4.2	4.7 3.8		

Game fish scarce, no trout, numerous creek chub. Approximately 1 mile shocked, 1.5 miles checked on. Beaver present and active (bank beaver) ducks flashed from river, trous consists of ash, alders, dogwood, tall poplar, evergreens, red clay banks, often badly eroded. Bottom upstream badly silted, silt and sand bottom no gravel section.

Red River flows into St. Louis River and is approximately 5 miles long in Wisconsin. The upper portions of the river lie within the Minnesota boundary. River is located in T47N, \$48N, R15W. The north of the river averages, 30' in width and is around 6' deep tapering off upstream. Approximately 2 miles upstream river is 15' in width and 1' in depth. Bottom type is a sandy silt with embedded logs and debris. Water is discolored a dark brown in the downstream area. Banks are 4' high and are well shaded by alders, dogwood, ash and aspen. About 1/2 mile upstream the water begins to show a clay suspension from excessive erosion along the clay banks. Banks in this area extend 15-20' vertically and displaying flood evidence right up to the top. Logs and uprooted trees become numerous in the stream and are located in a bank and the bottom. Deep pools are created from logs acting as digger poles, with some of the pools 6' deep or more. Current is a moderate flow although it had rained heavy for around 2 days straight. Feeder Creek believed to have dried up to heavy rains. Beaver were found to be presently active and cutting along the banks. The beaver were bank dwellers because no evidence of a house was found. Large trees have been washed into the river from erosion undercutting the banks. Bottom typs is a soft silt and sand with clay area. Surrounding country is high and large stumps indicate the area was at one time a large coniferious forest. Presently it is a hardwood upland. Fish collected were: creek chub, suckers, muddlers, pumpkinseed, burbot and northern pike. No trout were shocked and the present habitat seems inadequate for trout. Years ago game warden from Superior planted trout into the river from St. Louis River. From investigation trout evidently didn't adapt to the habitat. The northern pike population was low and the fish had no size range. Creek chubs and suckers were numerous. Total length shocked: 1-14 miles.

Surveyed by Charles Johnson.

Red River, Douglas County

The Red River flows into St. Louis River and is approximately 5 miles long in Wisconsin. The upper portions of the river lie within the Minnesota boundary. The river is located in Townships 47 and 48 north and range 15 west. The mouth of the river averages 30 feet in width and around 6 feet in depth, tapering off upstream. Bottom type is a sandy silt with embedded logs. Water is discolored a dark brown in the lower portion. Banks are 4 foot high and are well shaded by alders, dogwood, ash and aspeh. About a half mile upstream water begins to show a clay suspension from erosion along the clay banks. Bank extended between 15 and 20 feet high with flood evidence right up to the top.

Logs and uprooted trees become evident and numberous in the stream, located in the banks and the bottom. Deep pools are created from logs and log jams acting as digger poles with some of the pools 6 feet deep or more. Current is a moderate flow although it had rained heavily for around four days straight. Feeder creek believed to have been dried up - heavy rains. Beaver were found to be presently active and cutting along the bank. The beaver were bank dwellers - no evidence of a house. Ducks were flushed from the river. About 2 miles upstream the river is around 15 feet wide and has a corduroy bottom with numerous logs corsswise. Water depth is around 12 inches.

Ducks were flushed from the river. About 2 miles upstream river is about 14 feet wide and a foot deep. Bottom type is a soft sand and silt with an abundance of logs. Bottom appears like a corduroy road from past history. Large trees have been washed into the river from erosion undercutting the banks. Surrounding county is high andlarge stumps indicate the area was at one time a large coniferous forest. Presently it is a harwood upland with aspen.

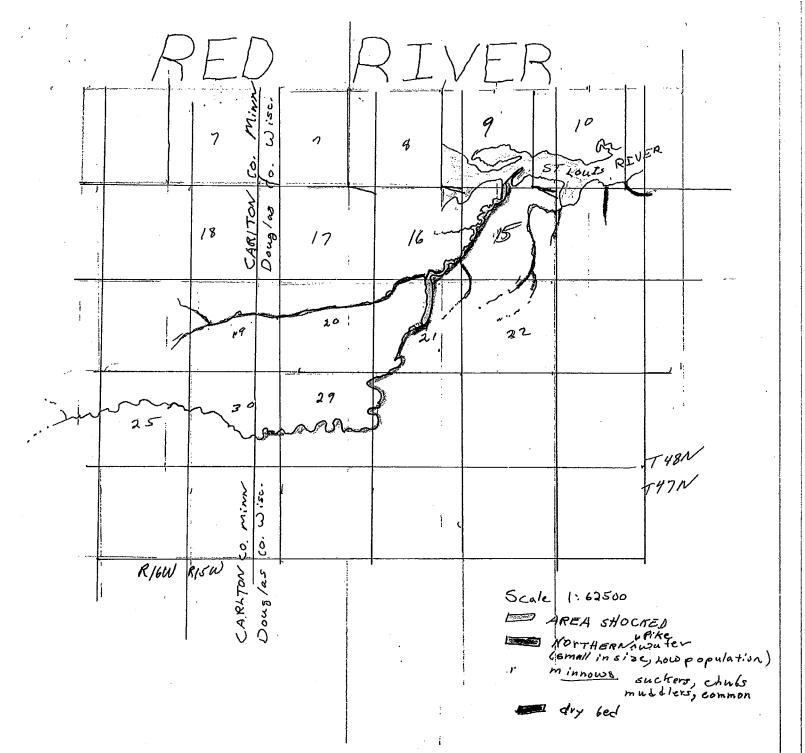
Fish collected were creek chubs, suckers, muddlers, pumpkinseed, burbot and northern pike. No trout were shocked and the present habitat seems inadequate for trout. Years ago a game warden from the west central area planted trout into the river from the St. Louis River. From our investigation trout evidently didn't adopt to the habitat or high water conditions flushed them out into the St. Louis. The northern pike population was low and the fish had no size range. Creek chubs and suckers

were numerous. The total length of the area shocked was between $1\frac{1}{2}$ to 2 miles long.

Charles E. Johnson

ck 8**-**25**-**64

Q/ 5-3/



STREAM SURVEY

NAME OF STREAM			COUNTY								
Red River			Douglas								
POINT OF EXAMINATION				•							
Sec. 15, 16 and 21	T48N R15W										
AVERAGE WIDTH	AVERAGE DEP	тн		VELOCITY							
15-30'	12" up	stream	5' downstream								
VOLUME OF FLOW			DEGREE OF FLOODIN	•							
COLOR	TURBIDITY		10 feet above	present level							
Dark brown	turbid - 1	nedium	hrown	COVERPoplar, ash, dogwood, pines evergreen alders							
TEMPERATURES AIR: 59°F	WATER:	56°:		Time: 10:00 a.m 3:00 p.m.							
AIRI	•										
				iver channel - clayish							
sand composition -	<u>upstream si</u>	lt and	d sand								
	F15	H COL	LECTION								
SPECIES		NUME	BER	SIZE RANGE							
Northern pike	?			7.0 = 9.5 (7.0.7.0.7.2.7.5.8.3)							
Burbot	1			7.0 - 9,5 (7.0,7.0,7.2,7.5,8.2 3.8 8.7, 9.5)							
Creek chubs	Numberou	ıs (200	o)	2.1 - 5.3							
Suckers	Numerous		_	2.4 - 7.2							
Muddlers	Numerous		,	Z.T = 7.02							
Pumpkinseed	1	•									
_				4.1							
No trout											
				†							
·											
GEAR USED			DISTANCE SAMPLED								
Stream shocker and p	pack shocke	r	1½ miles	5							
Downstream portion approximately 30 feet wide, 5 feet deep, water dark brown. Velocity sluggish, water murky because of poor visibility. No fish shocked in downstream area. Upstream river becomes narrower. Bottom is like an old corduroy road with an unlimited amount of trees and setments covering the bottom. Instream cover excellent under these obstacles. Aquatic insects scarce											
DATE	· · · · · · · · · · · · · · · · · · ·	INVEST	IGATOR Signature								
8-25-64		Cha	arles E. Johnson	1							

STREAM SUMMARY REPORT

Name Red River County Douglas
Location Sec. 15, 16, 21 T48N R15W
Size: Average width of trout waterft. Total length of trout watermi. Area of trout wateracres. Total length of streammi.
Drainage Area: Direct 7 is Wisc Total 7 in Wisc
Flow: cfs. Average velocity moderate.
Temperatures: Average 56 Minimum Maximum
remperatores; Average waxiitum waxiitum
Watershed Land Use: handward repland, aspen
Bank Cover:
Instream Cover: arabsolded logs & trees Common to abundant & many undersul banks
Pool Grade and Pool-Riffle Ratio:
MOA: Conductance:
Problems (List):
Fishing Conditions: Access Poor By piner only
Fishability Cycellent; creek is wishe country reached from the St Crown
Fishing intensity Stight
Comments:
Date 8-25-64 Investigator C. Johnson

3-66

FISH DATA SUMMARY

METHOD OF SAMPLIN Shown Shock Pock Shock	G		AR	EA SA	MPLE A	g _ c	J	No.	MARK	ED F	SH ST	OCKEL	STO	CKING	DATE	S	
Sham Shorke	_ 2200 /	4 C	5,	60	~~~~~		C./				Ö			-			
Pack Shock	er 110 V	AC_	75.	-			E .						}				
	,						TATI	и ис	UMBE	RS							TOTAL
SPECIES															İ		TOTAL
	Fingerling .					<u> </u>				Ī				<u> </u>			
	Yearling					<u>L</u>	<u> </u>		<u> </u>								
	Adults				l		l										
li.	Marked Fish											l .					
	TOTAL							<u> </u>			<u> </u>			<u> </u>			
	Fingerling								<u> </u>				<u> </u>				
	Yearling				l							<u> </u>	<u> </u>	<u> </u>	<u> </u>		
	Adults					Ĭ				l	<u> </u>	<u></u>		<u>L</u>	<u> </u>	<u></u>	
	Marked Fish						L					J	<u> </u>	<u> </u>			
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	TOTAL						<u> </u>		ļ		<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	
	Fingerling								ļ	1			<u> </u>			<u> </u>	
	Yearling							L			1	ļ	<u> </u>	1	<u> </u>	L	
	Adults															<u> </u>	
	Marked Fish																
	TOTAL					<u> </u>		<u> </u>		<u> </u>					<u> </u>	<u> </u>	
	Fingerling					<u> </u>			<u> </u>	ļ			1	<u> </u>	<u> </u>	ļ	ļ <u>.</u>
	Yearling			<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>	1		ļ	<u> </u>		<u> </u>	
	Adults								<u></u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>			
	Marked Fish				l					<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
											1	1	ļ			1	
	TOTAL							ļ		<u> </u>		<u> </u>	ļ	<u> </u>			
OTHER SPECIES					1	1.				1			1	Ì		1	
NP		7		<u> </u>	ļ	1		<u> </u>	ļ	<u> </u>	—	ļ	ļ	ļ	<u> </u>	ļ	
Burbot		1			ļ		ļ	<u> </u>	ļ	<u> </u>	1		ļ	ļ	<u> </u>	ļ	
Creek Chube		200			<u> </u>		┸			ļ	<u> </u>			<u> </u>	ļ	<u> </u>	
Suckers		100			ļ	<u> </u>	<u> </u>	ļ		<u>↓</u>		ļ	<u> </u>		<u> </u>	<u> </u>	
Punjokneseud		1			1		<u> </u>				1		↓	<u> </u>	<u> </u>	<u> </u>	<u> </u>
ANP Burbot Creek Chube Suckers Punjaknessed Muddlere		meron	re.						ł	ł		1			-	į	l
	TOTAL	300								1	<u> </u>	<u> </u>		<u> </u>	<u> </u>	ļ	
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GRAND		309			<u> </u>	Щ.		<u> </u>	<u></u>	┸		<u></u>			↓		
MODAL SIZES OF TH	E PRIMARY SPECI	ES															
	NUMBER PER	ACRE		C		\				EST	IMATE	D POU	NDAG	E PER	ACRE	Ξ,	
TROUT	;OTH	IER SP		i (G	ovvo.)	TR	TUC			_		OT	HER S	PECIE	S	
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EVALUATION	-		~														
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8-3	25-64							(\X	ulo	ς ξ	٠,	40	MIN	M	_	
L																	

STREAM SURVEY

Name of Stream : Red. Gares	Point of Examination On Unicanism and of Society Superior
mun west words	$\mathcal{L}_{\mathcal{L}}$
Average Width Average Width	Average Depth
Volume of Flow	Degree of Flooding of Avoir a framework in
Color whit.	Degree of Flooding 3 Halone, appears to be severe after. Turbidity Cover Medium back Valden, ask, aspen Water 58 F Time 2:00
Temperatures: Air	Water 28 Time 200
Bottom Types 73 (v sull) 205	logravel, 5% boulder
	FISH COLLECTION
Species	Númber Sízé Range
Sten: The represents of	rly the extreme herdwaters. The lover area was in Warden Evant and A. E. Smith - which dever
materiali.ea - gore m i.	very inaccessione (long walk)
C. A March	Distance Sampled
Gear Used	moderately beam with his topoor to hability. That a one mile
Remarks 2 Mary 1990	at true to steem . Kon has very steep benta Post
The state of the s	pool pade 5
A A A MARINE TO THE STATE OF TH	Investigator Athaca & Danka
Date	Investigator

WISCONSIN CONSERVATION DEPARTMENT Medison 1, Wisconsin

STREAM MANAGEMENT RECORD

Name of Steam	nec Miver Tub. to
Dramage Area	Sq. Mi. County Douglas
Total Length	4 miles Average Width 8 feet
) Use of Watershed	
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erine en viere en en en en en en en en en en en en en	
ver Supply	
Jse of Water	
	······································
······································	·
rincipal Sport Fish	Brook trout Rough fish - suckers and chubs
Remarks and Recomi	mendations Clay and sand bottom - clay and sand shoreline - vegetation abundant
···· · ··· · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

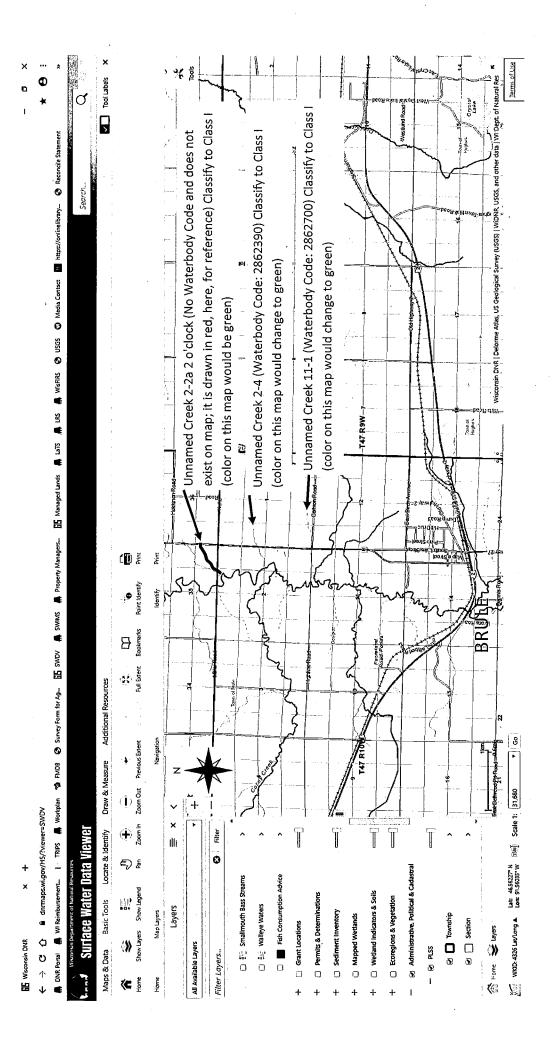
.... Investigator

(Planting racord on reverse side)

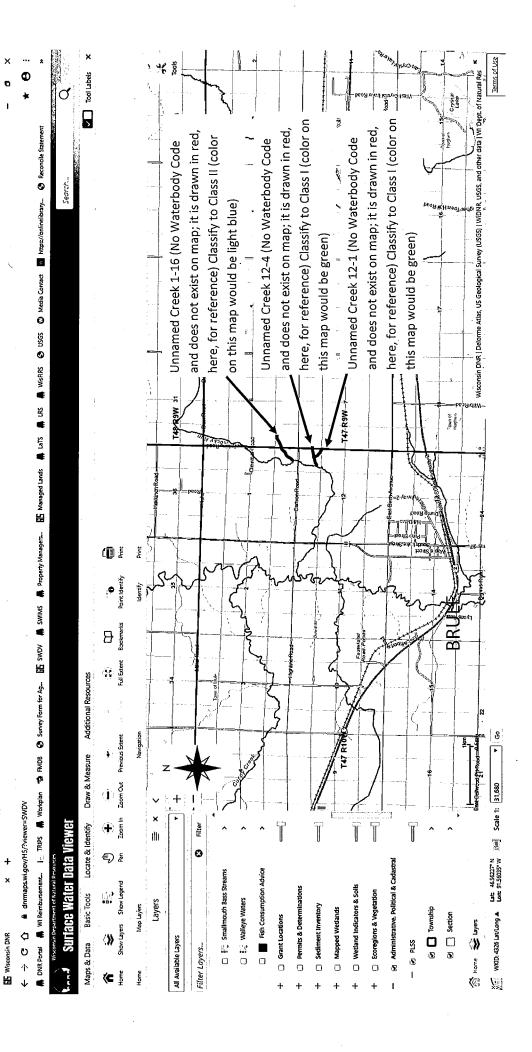
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inte	Species	ivuniter i binnen	Cize	Flanting City
1933 1949 1950 1951 195 3	Brook Brook Brook Brook Brook Brook	150 7,500 6,873 6,500 6,500 3,900	fingerling fingerl ng fingerl ng fingerling fingerling	
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PART 3: Maps



2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Mag, 3) Wisconsin DNR—Superior November 9, 2020



2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Map⁴) Wisconsin DNR—Superior November 9, 2020

not exist on map; it is drawn in red, here, for reference) % 월 × Terms of Usa Unnamed Creek 34-9 (No Waterbody Code and does **0** ✓ Tool Labels Wisconsin DNR | Delorme Atlas, US Geological Survey (USGS) | WiDNR USGS, and other data | Wi Dept. of Natural Res - Classify to Class I (color on this map would be green) 6 Curroll 🖺 SWOV 🙀 SWINS 🦺 Property Managers... 🖺 Managed Lands 🚓 Lat's 🚊 LPS 🚔 WERRS 😮 USGS 🔘 Media Contact 🔞 https://onlinelibrary... 🕃 Reconcile Statement T47/R9W Pughes BRULE Hoodor 47 RIOW O Paint Identify Identify Bookmark Full Brent Maps & Data Basic Tools Locate & Identify Draw & Measure Additional Resources 🙀 Wi Reimbursement... 🖟 TRIPS 💂 Workplan 😘 FMDB 🚱 Survey Form for Ag... Pine A Com full Zoom Out Previous Extent WID 4326 LaVlang ▲ Latt 4631312*N (Stell 1: 31,680 Long 91,60836*W (Stell 1: 31,680 Long 91,608) (Stell 1: 31,680 Long 91,608) (Stell 1: 31,680 Long 91,680 nmaps.wi.gov/H5/?viewer=SWDV T Surface Water Data Viewer Filter 0 €) & Administrative, Political & Cadastral ☐ 🚉 Smallmouth Bass Streams Fish Consumption Advice Show Layers Show Legend Wetland Indicators & Soils ☐ Ecoregions & Vegetation ☐ Permits & Determination Layers 🗀 🏥 Walleye Waters Map Layers Sediment Inventory ☐ Mapped Wetlands G Downship Section | ☐ Grant Locations A Home Stayers ↑ ∪ O Φ SE Wisconsin DNR All Available Layers 1 ® PLSS DNR Portal Filter Layers... Œ

2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Map 8) Wisconsin DNR—Superior November 9, 2020

🎤 not exist on map; it is drawn in red, here, for reference) Tool Labels Unnamed Creek 3-10 (No Waterbody Code and does visconsin DNR | Deforme Atlas, US Geological Survey (USGS) | WIDNR, USGS, and other data | WI Dept of Natural Res Classify to Class I (color on this map would be green) Smith DNR Portal 🖷 WI Reimbursement... 1 - TRIPS 🖷 Workplan "& FMDB 🕲 Survey Form for Ag... 🛅 SWDV 🚐 SWMNS 🛖 Property Managers... 🛅 Managed Lands 🐥 LaTS 構 LAS 🚔 WisfRS 🕲 USGS 🕥 Media Contact 🔃 https://onlinelibrary... 🔞 Recordile Statement Search. محمر T45 R11W BeauprenSprings St. Croix Grook Bio-Spring Editor ... Lotte Modes (**i**) ¥ P015 • • Point Identify \Box SOLON SPRINGS Full Extern Additional Resources Zoom Out Previous Extent Draw & Measure WOD: 4326 LavLong A Lone 91,75201*W Shill Scale 1: 23,760 ← → C ① ① ■ dnmapswi.gov/H5/?viewer=SWDV × Locate & Identify Surface Water Data Viewer Filter Administrative, Political & Cadastral Fish Consumption Advice ☐ 🏥 Smallmouth Bass Streams Show Layers Show Legend Wetland Indicators & Soils Ecoregions & Vegetation Basic Tools Layers □ ¾ Walleye Waters Map Layers Sediment Inventory ☐ Permits & Determin Mapped Wetlands Township ☐ Grant Locations Section | Home 🛞 Layers All Available Layers Maps & Data PLSS Filter Layers...

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III Wisconsin DNR

2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Map 8) Wisconsin DNR—Superior November 9, 2020

Terms of Use × Wisconsin DNR | Delome, Attas, US Geological Survey, (USGS) | WiDNR, USGS, and other data | WI Dept. of Natural Res 7 Tool Labels Φ o Classify to Class II (color on this map would change · Unnamed Creek 18-2 (Waterbody Code: 2837100) MONR Porter in Withermore II TRIPS in Worksholm 19 PMD8 © Survey Form for Ag. III SVVDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVIDV (# SVVID (# SVD) (* SVD) (* SV Search... 20 5. 5. to light blue) TO SUPERIOR T48 R14W N. <u>'</u>خ Print • • Point Identify 35 T48 R15W36 Full Extent Bookmarks 7 ์ ส Maps & Data Basic Tools Locate & Identify Draw & Measure Additional Resources F47.R15W Zoom In Zoom Out Previous Extent MID: 4326 LavLong ▲ Lon: 92.15317 W Stall Scale 1: 63,360 ← ⇒ C O D a dnmaps.wi.gov/HS/?viewer=SWDV ĪĽ, × Ĩ Surface Water Data Viewer Administrative, Political & Cadastral Fish Consumption Advice 🗇 📆 Smallmouth Bass Streams Show Layers Show Lagend ☐ Wetland Indicators & Soils ☐ Ecoregions & Vegetation Permits & Determination 🗇 👬 Walleye Waters Layers Map Layers Sediment Inventory Township Mapped Wetlands Section Grant Locations Se Home We Layers Kisconsin DNR All Available Layers - PLSS Filter Layers... **(C** §

2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Map 2) Wisconsin DNR—Superior

November 9, 2020

Tool Labels X 가운 절 77 Φ Wisconsin DNR Deforme Atlas, US Geological Survey (USSS) [WiDNR USSS, and other data | Wi Dept. of Natural Res J. 19 DNR Portal 🖷 Wilkeinburgament... 1: TRPS 🚒 Workplan 👉 ANDB 📀 Survey form for Ag.— III. SWDV 庸 SWIMS 🐞 Property Managers... III. Manager Lands 🐴 LRS 🐴 WieFRS 🕲 USGS 🕝 Media Contact. 🜃 https://onlinelilongy... 🕴 Reconcile Statement 50 Search Red River (Waterbody Code: 2845800): De-classify to non-trout T48 R14W 33 (color on this map would change to no color) Liffie T49 R15W 36 J_{ϵ} St. Louis R, Fond du Lac, MN Point Identify Identify Ď... ۵, 48 R15W \Box Full Exent Maps & Data Basic Tools Locate & Identify Draw & Measure Additional Resources Zoom In Zoom Out Previous Extern XX WID. 4326 Lat/Long ▲ Lone 92,77476*W SSE Scale 1: 63,360 dnrmaps.wi.gov/H5/?viewer=SWDV Surface Water Data Viewer Filter illi 0 Administrative, Political & Cadastral Fish Consumption Advice 🕒 🚉 Smallmouth Bass Streams Show Layers Show Legend ☐ Wetland Indicators & Soils Permits & Determination Ecoregions & Vegetation Layers Walleye Waters Map Layers Sediment Inventory Mapped Wetlands G 🗖 Township Section | ☐ Grant Locations A Home Stayens Φ υ ↑ ⟨⟩⟩ All Available Layers 1 SSI PLSS Filter Layers...

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III Wisconsin DNR

2020 Wisconsin DNR Proposed Trout Stream Classification Map—Douglas County (Map 1) Wisconsin DNR—Superior

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November 9, 2020

PART 4: Correspondence and Public Notice

•	Legislative committees,	legislators,	and county	and municipa	al official	notifications
---	-------------------------	--------------	------------	--------------	-------------	---------------

• Newspaper public notice – Superior Telegram

Piszczek, Paul P - DNR

From:

Piszczek, Paul P - DNR

Sent:

Thursday, October 8, 2020 2:47 PM

To:

sue.sandvick@douglascountywi.org; drthomp999@gmail.com;

clerk@townofhighland.net; Zuchowski, Marie - MUN; villageofsuperior@yahoo.com

Subject:

DNR Fisheries Public Notice - Trout Stream Classification: Douglas County

Attachments:

2020_Douglas_Co_Public Notice FINAL.pdf

Hello,

This email is being sent to all county, town, city, or village clerks per Wisconsin Department of Natural Resources Fisheries Management public notice procedures.

Please see the attached DNR public notice regarding the proposed classification of nine stream segments as trout water in Douglas County. The public notice will be published as a Legal Notice in the Superior Telegram print and e-editions on October 9, 2020.

This notice is also being emailed to legislators and legislative committee chairpersons whose districts include the proposed trout streams.

Please feel free to contact me if you have any questions.

Regards,

Paul

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Paul Piszczek

Senior Fisheries Biologist – Lake Superior Basin Tributaries Fish, Wildlife, & Parks Division Wisconsin Department of Natural Resources 1701 North 4th Street Superior, WI 54880 Phone: (715) 392-7990 paul.piszczek@wisconsin.gov



1

Piszczek, Paul P - DNR

From:

Piszczek, Paul P - DNR

Sent:

Thursday, October 8, 2020 2:46 PM

To:

Sen.Bewley - LEGIS; Rep.Milroy@legis.wisconsin.gov; Rep.Meyers - LEGIS

Subject:

DNR Fisheries Public Notice - Trout Stream Classification: Bayfield and Douglas Counties

Attachments:

2020_Bayfield_Co_Public_Notice_FINAL.pdf; 2020_Douglas_Co_Public_Notice_FINAL.pdf

Hello,

This email is being sent to legislators and the chairpersons of the legislative committees with jurisdiction for natural resources issues per Wisconsin Department of Natural Resources Fisheries Management public notice procedures.

Please see the attached DNR public notice regarding the proposed classification of nine stream segments as trout water in Bayfield and Douglas counties. The public notice will be published as a Legal Notice in the Superior Telegram and the Ashland Daily Press print and e-editions on October 9, 2020.

This notice is also being emailed to county, city, town, and/or village clerks whose jurisdictions include the proposed trout streams.

Please feel free to contact me if you have any questions.

Regards,

Paul

We are committed to service excellence.

Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Paul Piszczek

Senior Fisheries Biologist – Lake Superior Basin Tributaries Fish, Wildlife, & Parks Division Wisconsin Department of Natural Resources 1701 North 4th Street Superior, WI 54880 Phone: (715) 392-7990 paul.piszczek@wisconsin.gov



Piszczek, Paul P - DNR

From:

Piszczek, Paul P - DNR

Sent:

Thursday, October 8, 2020 2:38 PM

To:

Sen.Cowles - LEGIS; Rep.Kitchens - LEGIS; Rep.Mursau - LEGIS

Subject:

DNR Fisheries Public Notice - Trout Stream Classification: Bayfield and Douglas Counties

Attachments:

2020_Douglas_Co_Public_Notice_FINAL.pdf

Hello,

This email is being sent to legislators and the chairpersons of the legislative committees with jurisdiction for natural resources issues per Wisconsin Department of Natural Resources Fisheries Management public notice procedures.

Please see the attached DNR public notice regarding the proposed classification of nine stream segments as trout water in Douglas County. The public notice will be published as a Legal Notice in the Superior Telegram print and e-editions on October 9, 2020.

This notice is also being emailed to county, city, town, and/or village clerks whose jurisdictions include the proposed trout streams.

Please feel free to contact me if you have any questions.

Regards,

Paul

We are committed to service excellence.

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DNR PROPOSES NEW TROUT STREAM CLASSIFICATIONS IN DOUGLAS COUNTY

SUPERIOR - Pursuant to NR 1.02(7)(c), Wis. Adm. Code, the Department of Natural Resources gives public notice of the classification of several Lake Superior tributary stream segments in Douglas County as Class I or Class II trout streams and declassification of one stream from Class I to non-trout. For the proposed Class I and Class II trout streams, the classifications are based on surveys that found naturally reproducing populations of resident and Lake Superior trout and salmon. The proposed declassification is based on surveys that did not find trout or salmon.

Classified Trout Waters in Wisconsin are defined as follows:

A Class I Trout Stream is a stream or portlon thereof with a self-sustaining population of trout. Such streams contain trout spawning habitat and naturally produced fry, fingerling, and yearling in sufficient numbers to utilize the trout habitat; or contains trout with 2 or more age groups, above the age of one year, and natural reproduction and survival of wild fish in sufficient numbers to utilize the available trout habitat and to sustain the fishery without stocking.

ery without stocking.

A Class II Trout Stream is a stream or portion thereof that contains a population of trout made up of one or more age groups, above the age one year, in sufficient numbers to indicate substantial survival from one year to the next, and may or may not have natural reproduction of trout occurring; however, stocking is necessary to fully utilize the available trout habitat or sustain the fishery.

the fishery.

A Class III Trout Stream is a stream or portion thereof that requires the annual stocking of trout to provide a significant harvest; and does not provide habitat suitable for the survival of trout throughout the year, or for natural reproduction of trout.

The seven streams proposed for Class I are:

Unnamed Creek 2-2a 2 o'clock (48N R10W S36; 48N R10W S35; and 47N R10W S2), Town of Brule

0.42 mile beginning at the confluence with the Bols Brule River upstream to County Highway H, approximately 0.13 mile north of the intersection with Koho Road.

Unnamed Creek 2-4 (T47N R10W S1 to T47N R10W S2), Town of Brule

0.44 mile beginning at the confluence with the Bois Brule River upstream to the headwaters, approximately 0.30 mile northeast of County Highway H

east of County Highway H.
Unnamed Creek 11-1 (T47N R10W
S1 to T47N R10W S2, and T47N
R10W S11), Town of Brule

0.72 mile beginning at the confluence with Rocky Run, approximately 0.21 mile west-southwest of the intersection of

County Highway Y and Carlson Road, upstream to the headwaters that are approxlmately 0.07 mile north of Carlson Road.

Unnamed Creek 12-4 (T47N R10W

S12), Town of Brule

0.28 mile beginning at the confluence with Rocky Run, approximately 0.27 mile south of where Rocky Run crosses Carlson Road, upstream to County Line Road, approximately 0.23 mile south of the intersection with Carlson Road.

Unnamed Creek 12-1 (T47N R10W S12), Town of Brule

0.13 mile from the confluence with Unnamed Creek 12-4 (T47N R10W S12) upstream to County Line Road, approximately 0.28 mile south of the

intersection with Carlson Road. Unnamed Creek 34-9 (T47N R10W S34), Town of Brule

0.35 mile from the headwaters to the confluence with Cutler Creek, approximately 0.16 mile east of where Cutler Creek crosses Castle Road.

Unnamed Creek 3-10 (T456 R11W

S3), Town of Solon Springs

0.35 mlle from headwaters downstream to Bols Brule River, approximately 1.2 miles northeast of Rifle Range Road and 0.07 mile south of the Swamp Angel Creek confluence with Bols Brule River.

The two streams proposed as Class II are:

Unnamed Creek 18-2 (T47N R15W S36; T47N R14W S31; T46N R14W S6), Town of Summit

3.59 mile beginning at the northern border of T47N R15W S36 NWNW, approximately 0.12 mile east of County Highway B, upstream to the headwaters that are 0.02 mile northeast of State Highway 35 about 0.40 mile south of the intersection with Town Line Road. Unnamed Creek 1-16 (T47N R09W

S6 to T47N R10W S1), Town of Brule

0.36 mile beginning at the confluence with Rocky Run, approximately 0.04 mile north of the Rocky Run crossing at Carlson Road.

The one stream proposed to be de-

classified to non-trout water is: Red River (T48N R15W S32; T48N R15W S31; T48N R15W S29; T48N R15W S28; T48N R15W S21; T48N R15W S16; T48N R15W S15; through T48N R15W

S10), Town of Superior

6.3 miles beginning at the Wisconsin-Minnesota boarder, approximately 0.42 mile north of County Highway W, down-stream to the confluence with the St. Louis River.

The Department shall waive any hearing requirement on this classification unless a written request for hearing is received before November 9, 2020. Requests should be sent to Paul Piszczek, Senior Fisherles Biologist, Wisconsin DNR,

1701 North 4th Street, Superior, WI 54880. (Oct. 9, 16, 2020) 2862121 WNAXLP