

# Fisheries Management

## Appendix A. Trout Stream Classification Checklist (revised 8/2013)

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

Stream name: Unnamed tributary to Vaughn Creek  
(if stream is known by another name please list both names with the more common name first)

County: Iron WBIC: 2906450

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.

Headwaters upstream of Curry Road. Downstream to the confluence with Vaughn Creek 46N 1W S10 in the township of Gurney

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)

Please provide coordinate locations in one of three formats:

Longitude/Latitude (Degrees, Minutes, Seconds): 89° 41' 28.7" W , 44° 55' 14.0" N

Longitude/Latitude (Decimal Degrees): -89.691332, 44.920576

WTM91 (easting and northing in meters): 544361, 494173

Upstream point coordinates: 46.4776, -90.4801  
Downstream point coordinates: 46.4855, -90.5185

Classification proposed 2

☒ Fish survey (including relative abundance, length distribution, and age structure) and habitat survey completed on water to be classified. Survey on file at Mercer (office location)

☒ Fish team supervisor and district fisheries supervisor have approved the classification.  
Date 9/24/15

☒ Water leader has consulted with other Water Division Bureaus, especially for class III waters. Date 9/16/15

☒ Public notice published in local newspaper or other media. Date 9/17/15

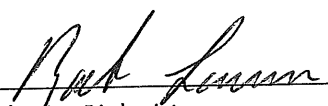
☒ Notice sent to all clerks of the county, town, city, or village in which the stream is located.  
Date 9/23/15

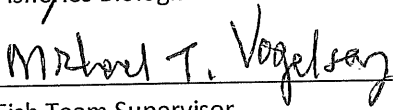
## Fisheries Management

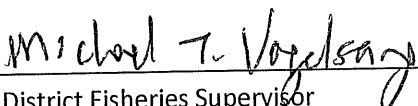
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### Trout Stream Classification Checklist (revised 8/2013) - Continued

- ☒ Notice sent to legislators in the affected districts. Date 9/23/15
- ☒ Notice sent to chairpersons of legislative committees with jurisdiction for natural resources issues. Date 9/23/15
- ☒ No hearing requested 30 days after public notice.
- ☐ Hearing requested, held, and classification recommended. Date \_\_\_\_\_

Signed:  Date: 11/10/15  
Fisheries Biologist

Approved:  Date: 11/10/15  
Fish Team Supervisor

 Date: 11/12/15  
District Fisheries Supervisor

\_\_\_\_\_  
District Water Leader Date: \_\_\_\_\_

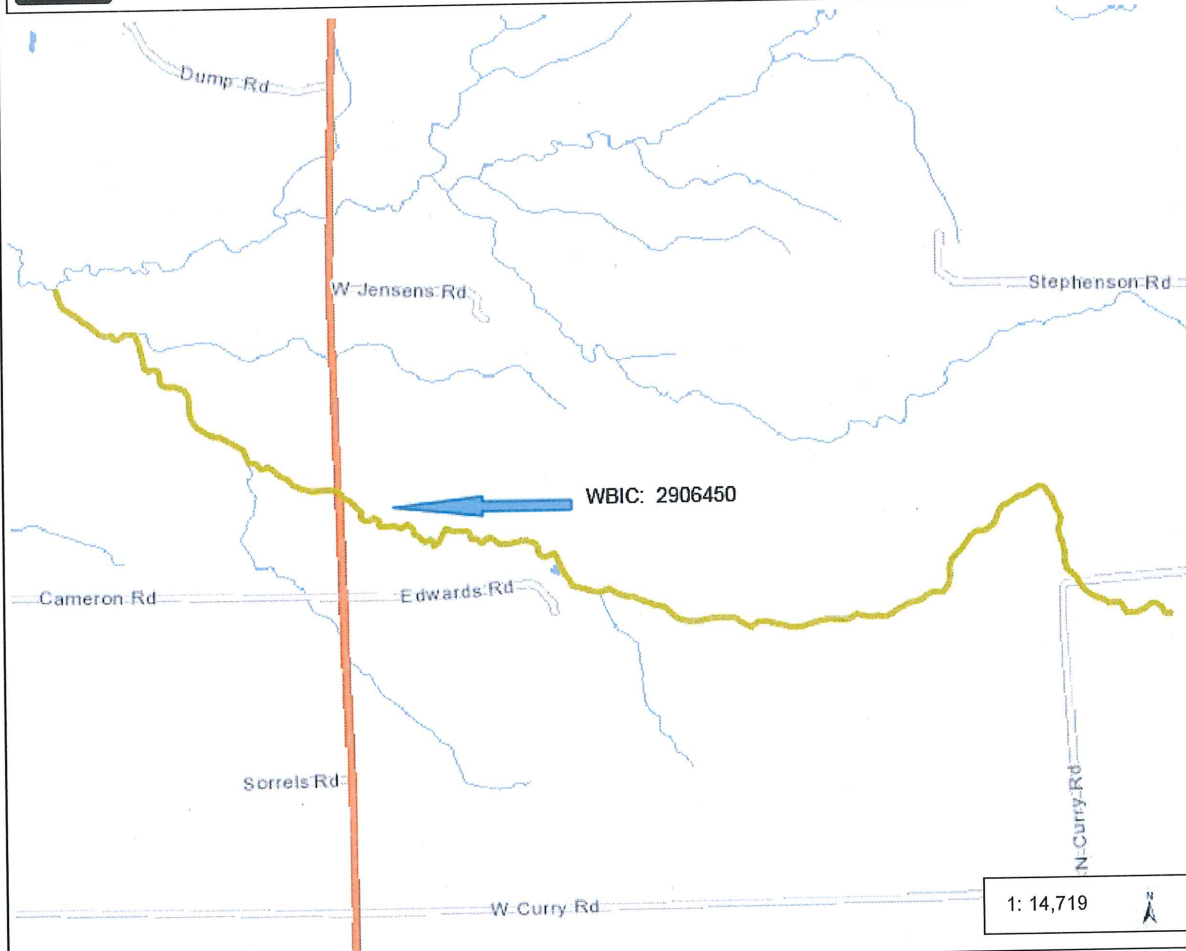


## Iron County, WBIC:2906450, 2.46 Miles



### Legend

- Rivers and Streams
- Open Water



NAD\_1983\_HARN\_Wisconsin\_TM  
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### Notes

Headwaters upstream of Curry Road downstream to the confluence with Vaughn Creek (T46N R1W S10).

Station ID: ~~XXXXXX~~  
87327955

Survey ID: ~~XXXXXX~~

420324971

Visit ID: ~~XXXXXX~~  
712085

Wadable Stream Fish Assessment  
Form 3600-230 (R 6/07)

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Instructions: Bold fields must be completed.

Station Summary

Stream Name

Unnamed Creek site 2

Waterbody ID Code

2906450

SWIMS Station ID

10041481

FH Database ID

Date (MMDDYYYY)

07/15/13

Station Name

Downstream Hwy 169

Latitude - Longitude Determination Method Used

Handheld GPS

Datum Used

NAD83

Start Latitude

N46.48087

Start Longitude

W90.51012

End Latitude

N46.48085

End Longitude

W90.50916

County

Iron

Water Characteristics

Time (24-hr clock)

21455

Air Temperature (C)

80-85°F

Water Temperature (C)

63°F

Conductivity (µs/cm)

Transparency (cm)

Dissolved Oxygen (mg/l)

Dissolved Oxygen % Saturation

pH

Flow (m³/sec)

Water Level (check one - measure distance if Above or Below Normal):

☐ Normal

☐ Below:

(m)

☒ Above:

2.1 (m)

Water Clarity:

☐ Clear

☐ Turbid

☒ Stained

Channel and Basin Characteristics

Channel Condition:  
(check one)

☒ Natural

☐ > 20-year-old  
Channelization

☐ 10- to 20-year-old  
Channelization

☐ < 10-year-old  
Channelization

☐ Concrete Channel

Mean Stream Width (m)

5.5' 1.68m

Percent Channelization

Sinuosity

Gradient (m/km)

Stream Order

Basin Area (km²)

Sampling Description

Sampling Type (check one):

☒ CPE

☐ Depletion

☐ Mark-Recapture

☐ Other - Specify:

Station Length (m)

~100

Start Time (24-hr clock)

1445

Finish Time (24-hr clock)

1505

Shock Time

1930

Type of Pass (check one):

☒ Upstream Only

☐ Upstream, then Downstream

☐ Other - Specify:

Gear Description

Gear (Indicate number of each type used):

Backpack Shockers

Stream Shockers

Mini-Boom Shockers

Number of Anodes per Unit

Person(s) Who Collected Data (Full Names)

Eslinger, Palstad, Hult

Comments / Notes (continue on the back of this sheet if necessary)

Trib to Vaughn Creek (South of Vaughn 169 site). Nice little stream with diverse habitats. Run, riffle, pool, large woody debris, undercut banks, gravel/cobble, etc. Brookies + sculpin. Check of Trout stream classification

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

Form 3600-532A (R 6/07)

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Rating Item	Excellent	Good	Fair	Poor	Score
<b>Riparian Buffer Width (m)</b> Width of contiguous undisturbed land uses; meadow, shrubs, woodland, wetland, exposed rock	Riparian zone well protected; buffer wide (> 10.0 m)  15	Riparian zone protected, but buffer width moderate (5.0 - 10.0 m)  10	Riparian zone moderately disturbed, buffer narrow (1.0 - 4.9 m)  5	Most of the riparian zone disturbed, buffer very narrow or absent (< 1.0 m)  0	15
<b>Bank Erosion</b> Width of bare soil on bank, along transects	No significant bank erosion; < 0.20 m of bank is bare soil  15	Limited erosion; 0.20 - 0.50 m of bank is bare soil  10	Moderate erosion; 0.51 - 1.0 m of bank is bare soil  5	Extensive erosion; > 1.0 m of bank is bare soil  0	5
<b>Pool Area</b> % of stream length in pools	Pools common; wide, deep, slow velocity habitat, balanced by other habitats; 40 to 60% of station  10	Pools present; not frequent or over-abundant; 30 to 39% or 61 to 70% of station  7	Pools present, but either rare or overly dominant, few other habitats present; 10 to 29% or 71 to 90% of station  3	Pools either absent or dominant, not balanced by other habitats; < 10% or > 90% of station  0	7
<b>Width:Depth Ratio</b> Average stream width divided by average thalweg depth in runs and pools	Streams very deep and narrow; width/depth ≤ 7  15	Stream relatively deep and narrow; width/depth 8-15  10	Stream moderately deep and narrow; width/depth 16-25  5	Stream relatively wide and shallow; width/depth > 25  0	5
<b>Riffle:Riffle or Bend:Bend Ratio</b> Average distance between riffles or bends divided by average stream width	Diverse habitats; meandering stream with deep bends and riffles common; ratio < 10  15	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14  10	Habitat diversity low; occasional riffles or bends, ratio 15 to 25  5	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25  0	15
<b>Fine Sediments</b> % of the substrate that is < 2 mm (sand, silt, or clay)	Fines rare or absent, < 10% of the stream bed  15	Fines present but limited, generally in stream margins or pools; 10 to 20% of stream bed  10	Fines common in mid-channel areas, present in riffles and extensive in pools; 21 to 60%  5	Fines extensive in all habitats; > 60% of stream bed covered  0	10
<b>Cover for Fish</b> % of the stream area with cover	Cover/shelter for fish abundant; > 15% of stream  15	Cover common, but not extensive; 10 - 15% of stream  10	Occasional cover, limited to one or two areas; 5 - 9% of stream  5	Cover rare or absent; limited to < 5% of stream  0	15
Total Score					72

## Unnamed tributary to Vaughn Creek, WBIC 2906450

### Iron/Ashland Trout Classification CPEs

Waterbody Name	WBIC	Year	Catch/Hr	Catch/Mi
UNNAMED SINGLE-LINE STREAM T46N-R1W-S8	2906450	2013	147	788.42

