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 City Creek
(if stream is known by another name please list both names with the more common name first)

County: Ashland WBIC: 5002767

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.
Pond outlet barrier below Jokenen Road (Ponderosa Rd) downstream to the confluence with City Creek 44W 2W 58 in the township of Morse

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: 46.3059, -90.6462
Downstream point coordinates: 46.3075, -90.6452

Classification proposed 3

✓ 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

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_____

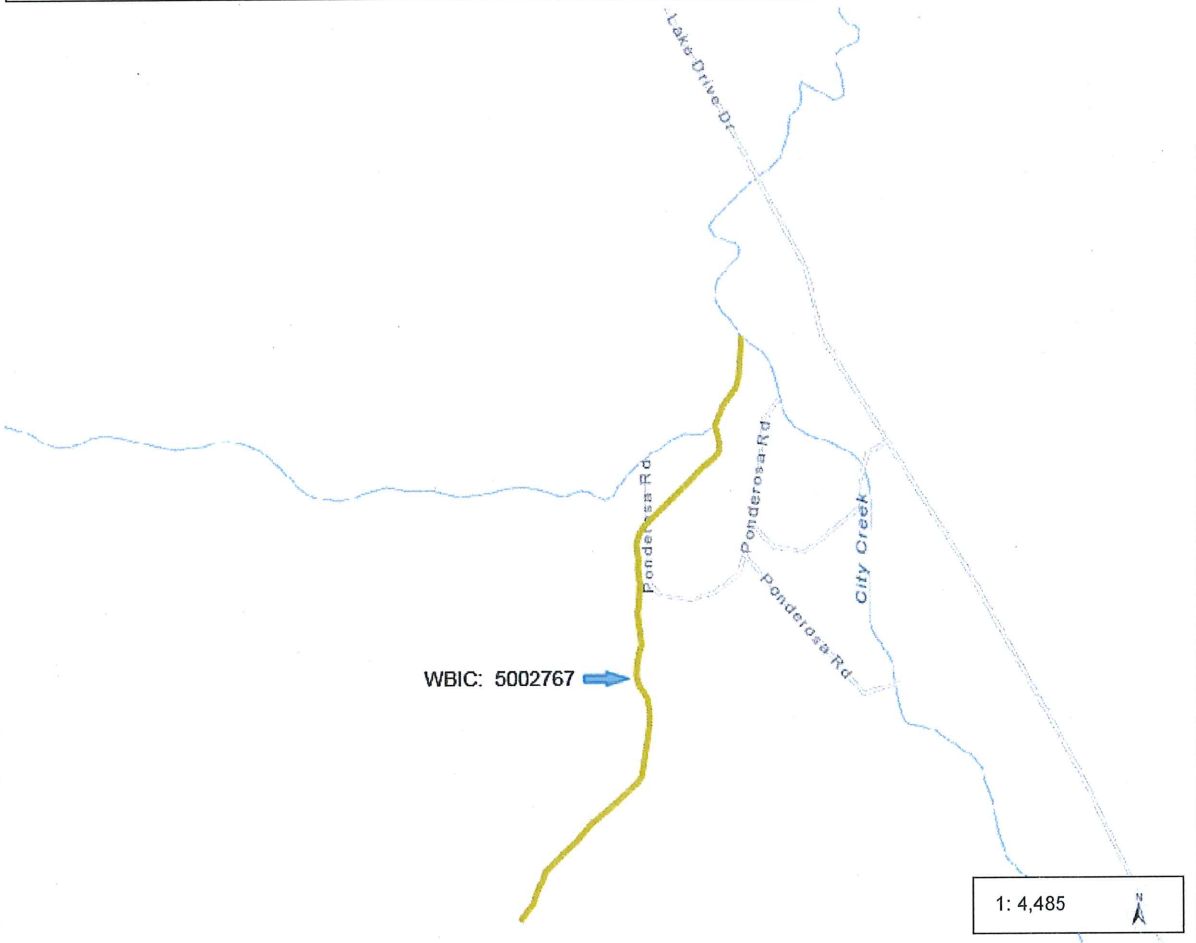
Signed: _____ Date: 11/10/15
Fisheries Biologist

Approved: Michael T. Vogelsang Date: 11/10/15
Fish Team Supervisor

Michael T. Vogelsang Date: 11/10/15
District Fisheries Supervisor

_____ Date: _____
District Water Leader

Ashland County, WBIC:5002767, .14 Miles



Legend

- Rivers and Streams
- Open Water

1: 4,485

Notes

Pond outlet barrier below Jokinen Road (Ponderosa Road) downstream to the confluence with City Creek (T44N R2W S8)

0.1 0 0.07 0.1 Miles

NAD_1983_HARN_Wisconsin_TM

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

Station ID: 72431246
Survey ID: 32509827 9
Visit ID: 704122

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Instructions: Bold fields must be completed.

* Identical habitat specs. as Unnamed trib discussed below

Station Summary

Stream Name	Waterbody ID Code	SWIMS Station ID	FH Database ID
City Creek T44N, R4W Sec 8	293100	10039073	72431246

Date (MMDDYYYY)	Station Name
08/30/2012	Lake Dr. crossing closest to town + 5002707

Latitude - Longitude Determination Method Used: Handheld GPS — **Datum Used:** WGS 84

Start Latitude	Start Longitude	End Latitude	End Longitude	County
N46.30856°	W090.64516°	N46.30810°	W090.64501	Ashland

Water Characteristics

Time (24-hr clock)	Air Temperature (C)	Water Temperature (C)	Conductivity (µs/cm)	Transparency (cm)
13:30	~80°F	61°F		

Dissolved Oxygen (mg/l)	Dissolved Oxygen % Saturation	pH

Flow (m³/sec):

Water Level (check one - measure distance if Above or Below Normal): ☐ Normal ☒ Below: ~0.10 (m) ☐ Above: _____ (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)	Percent Channelization	Sinuosity	Gradient (m/km)	Stream Order	Basin Area (km²)
>3m; ~2m				3	

Sampling Description

Sampling Type (check one): ☒ CPE ☐ Depletion ☐ Mark-Recapture ☐ Other - Specify: _____

Station Length (m)	Start Time (24-hr clock)	Finish Time (24-hr clock)
~76m (consult w/ BRWA) 0.04722	13:30	13:40:29

Type of Pass (check one): ☒ Upstream Only ☐ Upstream, then Downstream ☐ Other - Specify: _____

Gear Description

Gear (indicate number of each type used): 1 Backpack Shockers ____ Stream Shockers ____ Mini-Boom Shockers

Number of Anodes per Unit: 1

Person(s) Who Collected Data (Full Names): Eslinger, Julio

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

- Start @ riffle by BRWA water temp probe 10:29 shock time. Volts = 360 Amps = 0.7
- End @ confluence w/ unnamed Creek (GPS says ~76m start to finish; BRWA says ~89m start to finish)
  - Brush/sand dam good ending spot
- This stream stretch appears very flashy during high flow events, evident by bank erosion + debris blown high up upon fences.
- Habitat appears good overall (Qualitative Score = 63; see back) but is impacted by close proximity to Lake Drive. Good gravel stretches present.
- * Brush/sand dam noted above appears to have been illegally dumped to alter stream during high flows. Took picture w/ camera phone. No
- * Unnamed Creek (end of City Creek Station) was surveyed Class 2 Trout coldwater IBI = 90.
- * See Fish Data Sheet ⇒ Coldwater IBI = 50 (purchased)

Rating Item	Excellent	Good	Fair	Poor	Score
Riparian Buffer Width (m) 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	10
Bank Erosion 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	10
Pool Area % 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	3
Width:Depth Ratio 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
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 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	10
Fine Sediments % 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
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 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	63

Unnamed tributary to City Creek, WBIC 5002767

Iron/Ashland Trout Classification CPEs

Waterbody Name	WBIC	Year	Catch/Hr	Catch/Mi
UNNAMED SINGLE-LINE STREAM T44N-R2W-S8	5002767	2012	16.36	49.76