

**Wadable Stream Qualitative Fish Habitat Rating
 for Streams > 10 m wide**

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

Station Summary

Stream Name <i>Milwaukee</i>		Waterbody ID Code <i>15000</i>	SWIMS Station ID <i>10037908</i>	FH Database ID	
Date (MMDDYYYY) <i>09132017</i>	Station Name <i>US GHT/Lakefield Rd, US Cedar Creek</i>				
Latitude - Longitude Determination Method Used <i>Google Maps</i>					Datum Used <i>WGS84</i>
Start Latitude <i>43.294961</i>	Start Longitude <i>-87.943699</i>	End Latitude <i>43.298232</i>	End Longitude <i>-87.940298</i>	County <i>Ozaukee</i>	

Water Characteristics

Time (24-hr clock) <i>0944</i>	Air Temperature (C) <i>21.11^oC</i>	Water Temperature (C) <i>17.94</i>	Conductivity (µs/cm) <i>869</i>	Transparency (cm) <i>115</i>	
Dissolved Oxygen (mg/l) <i>10.37</i>		Dissolved Oxygen % Saturation <i>113.5</i>		pH <i>7.91</i>	<i>tds 556.3</i>
Flow (m ³ /sec) <i>7.07921</i>	Water Level (check one - measure distance if Above or Below Normal): <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below: _____(m) <input type="checkbox"/> Above: _____(m)			Water Clarity: <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	

Channel and Basin Characteristics

Mean Stream Width (m) <i>40m</i>		Station Length (m) <i>460</i>			
Channel Condition: (check one)	<input checked="" type="checkbox"/> Natural	<input type="checkbox"/> > 20-year-old Channelization	<input type="checkbox"/> 10- to 20-year-old Channelization	<input type="checkbox"/> < 10-year-old Channelization	<input type="checkbox"/> Concrete Channel
Percent Channelization <i>0</i>	Sinuosity <i>1.31</i>	Gradient (m/km) <i>0.16</i>	Stream Order <i>5</i>	Basin Area (km ²) <i>1216.36</i>	

Comments / Notes

- Use nearest USGS gauge for flow
 (EC) USGS, MKE river @ Milwaukee

09/13/2017

250 cfs/sec

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Form 3600-532B (R 6/07)

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Rating Item	Excellent	Good	Fair	Poor	Score
Bank Stability % of bank protected by rock or vegetation	No significant bank erosion; ≥ 90% of bank protected; < 10% bare soil	Limited erosion; 70 to 90% of bank protected; 10 - 30% bare soil	Moderate erosion; 50 to 69% of bank protected; 31 - 50% bare soil	Extensive erosion; < 50% of bank protected; > 50% bare soil	12 (8) 4 0 8
Maximum Thalweg Depth Average of the four deepest depths recorded	Stream very deep; ≥ 1.5 m	Stream relatively deep; 1 - 1.5 m	Stream moderately deep; 0.6 - 0.9 m	Stream relatively shallow; < 0.6 m	25 16 (8) 0 8
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	12 (8) 4 0 8
Rocky Substrate % of substrate, by area, that is bedrock, boulder, rubble/cobble, or gravel	Extensive rocky substrate; ≥ 65% of the stream bed	Moderate rocky substrate; 45 - 65% of stream bed	Limited rocky substrate; 15 - 44% of stream bed	Rocky substrate uncommon; < 15% of stream bed	(25) 16 8 0 25
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; ≥ 12% of stream	Cover common, but not extensive; 7 - 12% of stream	Occasional cover, limited to one or two areas; 2 - 6% of stream	Cover rare or absent; limited to < 2% of stream	25 16 (8) 0 8
Total Score					57