

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

Form 3600-532B (R 6/07)

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

Station Summary

Stream Name <i>Menomonee River</i>		Waterbody ID Code <i>16000</i>	SWIMS Station ID <i>10011261</i>	FH Database ID <i>129089</i>
Date (MMDDYYYY) <i>07/19/2017</i>	Station Name <i>127th St (Frontier Park)</i>			
Latitude - Longitude Determination Method Used <i>SWIMS</i>				Datum Used <i>NAD 1983</i>
Start Latitude <i>43.11302</i>	Start Longitude <i>-88.07069</i>	End Latitude <i>43.1115</i>	End Longitude <i>-88.07403</i>	County <i>Milwaukee</i>

Water Characteristics

Time (24-hr clock) <i>1440</i>	Air Temperature (C)	Water Temperature (C) <i>24.68</i>	Conductivity (µs/cm) <i>1062</i>	Transparency (cm) <i>70</i>
Dissolved Oxygen (mg/l)	Dissolved Oxygen % Saturation		pH <i>7.90</i>	
Flow (m ³ /sec) <i>24.0</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 type="checkbox"/> Clear <input type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained

Channel and Basin Characteristics

Mean Stream Width (m) <i>13.5</i>	Station Length (m) <i>400</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>1.69</i>	Gradient (m/km) <i>.45</i>	Stream Order <i>4</i>	Basin Area (km ²) <i>153.05</i>	

Comments / Notes

TDS = .6794

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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 12	Limited erosion; 70 to 90% of bank protected; 10 - 30% bare soil 8	Moderate erosion; 50 to 69% of bank protected; 31 - 50% bare soil 4	Extensive erosion; < 50% of bank protected; > 50% bare soil 0	12
Maximum Thalweg Depth Average of the four deepest depths recorded	Stream very deep; ≥ 1.5 m 25	Stream relatively deep; 1 - 1.5 m 16	Stream moderately deep; 0.6 - 0.9 m 8	Stream relatively shallow; < 0.6 m 0	25
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 12	Diverse habitats; bends and riffles present, but not abundant; ratio 10 to 14 8	Habitat diversity low; occasional riffles or bends, ratio 15 to 25 4	Habitat monotonous; riffles or bends rare; generally continuous run habitat; ratio > 25 0	12
Rocky Substrate % of substrate, by area, that is bedrock, boulder, rubble/cobble, or gravel	Extensive rocky substrate; ≥ 65% of the stream bed 25	Moderate rocky substrate; 45 - 65% of stream bed 16	Limited rocky substrate; 15 - 44% of stream bed 8	Rocky substrate uncommon; < 15% of stream bed 0	25
Cover for Fish % of the stream area with cover	Cover/shelter for fish abundant; ≥ 12% of stream 25	Cover common, but not extensive; 7 - 12% of stream 16	Occasional cover, limited to one or two areas; 2 - 6% of stream 8	Cover rare or absent; limited to < 2% of stream 0	8
Total Score					82