

**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>10030322</i>	FH Database ID
Date (MMDDYYYY) <i>07262017</i>	Station Name <i>Menomonee River Mill Park</i>			
Latitude - Longitude Determination Method Used <i>Google Maps</i>				Datum Used <i>WGS84</i>
Start Latitude <i>43.024457</i>	Start Longitude <i>-87.962574</i>	End Latitude <i>43.026108</i>	End Longitude <i>-87.966341</i>	County <i>Milwaukee</i>

Water Characteristics

Time (24-hr clock) <i>9:39</i>	Air Temperature (C) <i>20.56</i>	Water Temperature (C) <i>21.09</i>	Conductivity (µs/cm) <i>1322</i>	Transparency (cm) <i>90</i>
Dissolved Oxygen (mg/l) <i>10.20</i>		Dissolved Oxygen % Saturation <i>114.0</i>	pH <i>7.77</i>	
Flow (m³/sec) <i>0.509</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>10</i>	Station Length (m) <i>400</i>				
Channel Condition: (check one)	<input type="checkbox"/> Natural	<input checked="" 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	Sinuosity <i>1.38</i>	Gradient (m/km) <i>0.31</i>	Stream Order <i>4</i>	Basin Area (km²) <i>347.47</i>	

Comments / Notes

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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	0
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	16
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	8
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	16
Total Score					65