

**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>Turtle Creek</i>		Waterbody ID Code <i>790300</i>	SWIMS Station ID <i>10010874</i>	FH Database ID <i>128483</i>
Date (MMDDYYYY) <i>08082017</i>	Station Name <i>Turtle Creek @ Hofstrom / ORiley</i>			
Latitude - Longitude Determination Method Used <i>Google Maps</i>				Datum Used <i>WGS 84</i>
Start Latitude <i>42.595639</i>	Start Longitude <i>-88.788355</i>	End Latitude <i>42.597608</i>	End Longitude <i>-88.784334</i>	County <i>Walworth</i>

**Water Characteristics**

Time (24-hr clock) <i>0951</i>	Air Temperature (C) _____	Water Temperature (C) <i>18.92</i>	Conductivity (µs/cm) <i>792.8</i>	Transparency (cm) <i>59</i>
Dissolved Oxygen (mg/l) <i>7.69</i>		Dissolved Oxygen % Saturation <i>84.5</i>	pH <i>7.32</i>	
Flow (m³/sec) <i>4.502</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 checked="" type="checkbox"/> Turbid <input checked="" type="checkbox"/> Stained	

**Channel and Basin Characteristics**

Mean Stream Width (m) <i>&gt;10</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>1.63</i>	Gradient (m/km) <i>.06</i>	Stream Order <i>4</i>	Basin Area (km²) <i>294.58</i>	

Comments / Notes

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Rating Item	Excellent	Good	Fair	Poor	Score
<b>Bank Stability</b> % 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
<b>Maximum Thalweg Depth</b> 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
<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 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	4
<b>Rocky Substrate</b> % 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	8
<b>Cover for Fish</b> % 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	25
<b>Total Score</b>					65