

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>Onion River</i>	Waterbody ID Code <i>51200</i>	SWIMS Station ID <i>603340</i>	FH Database ID <i>11013</i>	
Date (MMDDYYYY) <i>08 09 2017</i>	Station Name <i>Onion @ Cty E</i>			
Latitude - Longitude Determination Method Used <i>SWIMS</i>				Datum Used <i>NAD 83</i>
Start Latitude <i>43.71025</i>	Start Longitude <i>-87.9917</i>	End Latitude <i>—</i>	End Longitude <i>—</i>	County <i>Shelby</i>
Water Characteristics				
Time (24-hr clock) <i>1317</i>	Air Temperature (C)	Water Temperature (C) <i>16.73</i>	Conductivity (µs/cm) <i>678.8</i>	Transparency (cm) <i>120</i>
Dissolved Oxygen (mg/l) <i>11.85</i>		Dissolved Oxygen % Saturation <i>120.9</i>		pH <i>7.93</i>
Flow (m ³ /sec) <i>—</i>	Water Level (check one - measure distance if Above or Below Normal): <input type="checkbox"/> Normal <input type="checkbox"/> Below: <i>—</i> (m) <input checked="" type="checkbox"/> Above: <i>.1</i> (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>6.5</i>		Station Length (m) <i>228</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>1.68</i>	Gradient (m/km) <i>.25</i>	Stream Order <i>3</i>	Basin Area (km ²) <i>46.17</i>
Comments / Notes <i>TDS = .4342</i>				

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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	
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	
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	
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	
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	
				Total Score	

1325 - 1400 ^{Time}

Wadable Stream Fish Community Evaluation
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Individual Game Fish Data Sheet

Stream Name Onion River Waterbody ID Code 51200 Site Mile 603340 Station No. 2017 08 09
 Date (YYYY MM DD)

Trout, Grass pickerel, Northern pike, Muskellunge, Smallmouth bass, Largemouth bass, Sauger, Walleye are individually weighed and measured.

Species	TL (mm)	Tare	Weight (g)		Scales	DELT	Species	TL (mm)	Tare	Weight (g)		Scales	DELT
			Gross	Total						Gross	Total		
BT	510	050	1675	1590			BT	310		540	380		
	375	160	350	190				255		250	90		
	325	160	500	340				310		530	310		
	445	160	910	740		x		200		180	20		
	250		320	160				300		300	140		
	400		810	650				250		350	190		
	375		250	90				260		370	210		
	355		570	480				220		310	150		
	290		410	250				215		280	120		
	310		310	150				285		390	230		
	240		320	160				260		370	210		
	415		860	700				170		210	50		
	280		410	250				155		145			
	195		175	5				170		143	23		
	240		380	220				215		240			
	360		350	190				270		350			
	300		430	270				245		420			
	325		320	160				250		300			
	240		250	90				255		310			
	270		350	190				195		190			
	255		240	230				160		165			
	230		340	180				165		43			
	305		510	350				170		48			
	235		290	130				145		170			
	230		300	140				120		45			

Comments / Notes 155 73 38

Sculpin - 2155 116 73

White sucker - 4182 3612 134

brook lamprey - 2

brook lamprey - 2

brook lamprey - 146

brook lamprey - 2

120 30
170 180
180 160
145 none 32
160 none 48
160 none 31
190 none 21

