

FIBI223-R3

Barkers Brook UNT

Saylors Pond Road

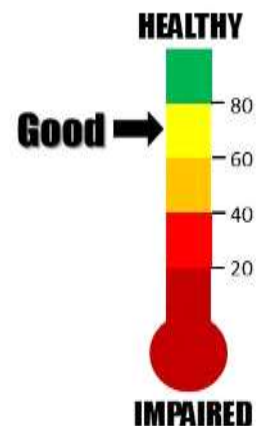
Municipality: Springfield Twp

County: Burlington

Drainage Area (sq miles): 2.4

Sample Date: 06/23/2015

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	55.75
Metric 2 - Benthic Sp	100.00
Metric 3 - Intolerant Sp.	68.87
Metric 4 - %Tolerant Sp.	79.49
Metric 5-%Insectivore Sp.	22.38
Metric 6 -%Piscivorous Sp.	3.23
Metric 7 - Abundance-tolerance	78.93
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	28.7
Water Temperature (°C)	23.05
Dissolved Oxygen (mg/L)	7.52
% Saturation	87.9
pH	6.73
Conductivity (µS/cm)	113.3

Southern Fish IBI Score (0-100): 63.58

IBI Rating: Good

Low Gradient Habitat Score (0-200): 131

Habitat Rating: Suboptimal

Summary: Despite the low overall species richness which is typical for smaller sized streams, the fish community at Barkers Brook UNT is healthy. Since 2008 the score has differed by only one point.

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	187
Pirate Perch	<i>Aphredoderus sayanus</i>	34
White Sucker	<i>Catostomus commersoni</i>	30
American Eel	<i>Anguilla rostrata</i>	26
Creek Chubsucker	<i>Erimyzon oblongus</i>	6
Tadpole Madtom	<i>Noturus gyrinus</i>	6
Chain Pickerel	<i>Esox niger</i>	3