

FIBI048-R4r2

Buckhorn Creek

Reeder Road

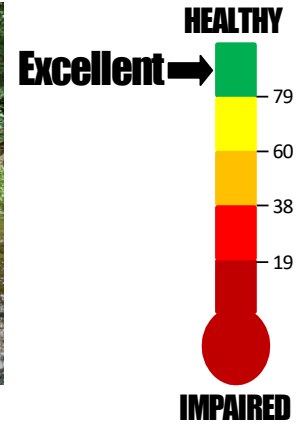
Municipality: Harmony Twp

County: Warren

Drainage Area (sq miles): 8

Sample Date: 8 /22/2018

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	68.47
Metric 2-%Cold Non-tolerant Coolwater	89.68
Metric 3-%Generalist Richness	79.68
Metric 4-Tolerance Index	78.35
Metric 5-%Lithophilic Richness	66.87
Metric 6-%Cyprinidae	90.75
Metric 7-%Dominant 3 Taxa	94.60
Metric 8-%Benthic Insectivore Richness	61.13

Field Chemistry

Air Temp (°C)	29
Water Temperature (°C)	20.03
Dissolved Oxygen (mg/L)	8.9
% Saturation	97.4
pH	7.69
Conductivity (µS/cm)	163.5
Total Kjeldahl (mg/L)	0.33
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	0.45

Northern Fish IBI Score (0-100): 78.69

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 152

Habitat Rating: Suboptimal

Summary: Despite the excellent IBI score and rating, several key sensitive species like wild brown trout and northern hogsucker have been in a state of decline and were absent from this 2018 survey.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	232
Fallfish	<i>Semotilus corporalis</i>	75
Creek Chub	<i>Semotilus atromaculatus</i>	39
American Eel	<i>Anguilla rostrata</i>	30
Longnose Dace	<i>Rhinichthys cataractae</i>	21
Tessellated Darter	<i>Etheostoma olmstedi</i>	19
White Sucker	<i>Catostomus commersonii</i>	12
Green Sunfish	<i>Lepomis cyanellus</i>	8
Margined Madtom	<i>Noturus insignis</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	3
Smallmouth Bass	<i>Micropterus dolomieu</i>	1
Common Shiner	<i>Luxilus cornutus</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1