

FIBI039-R4r2

Vancampens Brook

Depew Rec Site Road, off Old Mine

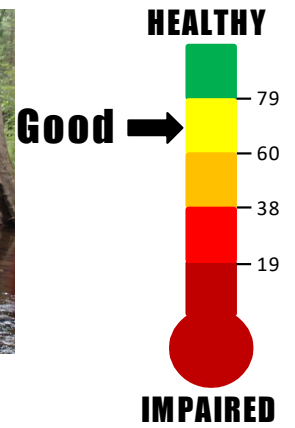
Municipality: Hardwick Twp

County: Warren

Drainage Area (sq miles): 8

Sample Date: 8 /27/2019

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	56.62
Metric 2-%Cold Non-tolerant Coolwater	72.33
Metric 3-%Generalist Richness	90.02
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	77.27
Metric 6-%Cyprinidae	47.37
Metric 7-%Dominant 3 Taxa	75.96
Metric 8-%Benthic Insectivore Richness	70.64

Field Chemistry

Air Temp (°C)	15.7
Water Temperature (°C)	15.75
Dissolved Oxygen (mg/L)	9.4
% Saturation	94.6
pH	6.87
Conductivity (µS/cm)	93.3
Total Kjeldahl (mg/L)	0.04
Total Phosphorus (mg/L)	0.01
Nitrate/Nitrite (mg/L)	0.12

Northern Fish IBI Score (0-100): 73.78

IBI Rating: Good

High Gradient Habitat Score (0-200): 186

Habitat Rating: Optimal

Summary: Results are consistent over time at this sentinel site, as scores differed by just 0.24 points since 2017.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	86
Brown Trout	<i>Salmo trutta</i>	64
American Eel	<i>Anguilla rostrata</i>	42
Margined Madtom	<i>Noturus insignis</i>	27
Cutlips Minnow	<i>Exoglossum maxillingua</i>	22
Fallfish	<i>Semotilus corporalis</i>	20
Longnose Dace	<i>Rhinichthys cataractae</i>	20
White Sucker	<i>Catostomus commersonii</i>	10
Common Shiner	<i>Luxilus cornutus</i>	2
Bluegill	<i>Lepomis macrochirus</i>	2
Creek Chub	<i>Semotilus atromaculatus</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Sea Lamprey	<i>Petromyzon marinus</i>	1
Shield Darter	<i>Percina peltata</i>	1