

FIBI039-R4r

Vancampens Brook

Depew Rec Site Road, off Old Mine

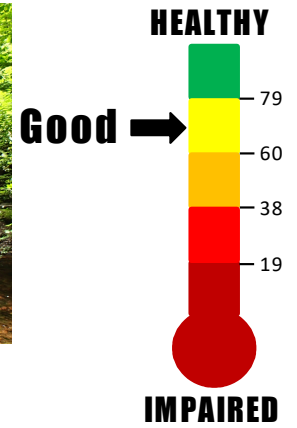
Municipality: Hardwick Twp

County: Warren

Drainage Area (sq miles): 8

Sample Date: 6/15/2017

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	49.93
Metric 2-%Cold Non-tolerant Coolwater	74.95
Metric 3-%Generalist Richness	83.91
Metric 4-Tolerance Index	86.70
Metric 5-%Lithophilic Richness	79.03
Metric 6-%Cyprinidae	60.55
Metric 7-%Dominant 3 Taxa	81.00
Metric 8-%Benthic Insectivore Richness	72.25

Field Chemistry

Air Temp (°C)	22.9
Water Temperature (°C)	17.16
Dissolved Oxygen (mg/L)	9.1
% Saturation	95.4
pH	7.2
Conductivity (µS/cm)	80.4
Total Kjeldahl (mg/L)	0.04
Total Phosphorus (mg/L)	0.02
Nitrate/Nitrite (mg/L)	0.07

Northern Fish IBI Score (0-100): 73.54

IBI Rating: Good

High Gradient Habitat Score (0-200): 174

Habitat Rating: Optimal

Summary: Wild rainbow trout were collected in 4 of the 5 previous sampling years and native brook trout were collected in 3 of the previous 5 years of sampling, but neither species were collected in 2017 (see Table below).

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	136
American Eel	<i>Anguilla rostrata</i>	52
Brown Trout	<i>Salmo trutta</i>	44
Longnose Dace	<i>Rhinichthys cataractae</i>	20
Creek Chub	<i>Semotilus atromaculatus</i>	9
White Sucker	<i>Catostomus commersoni</i>	8
Cutlips Minnow	<i>Exoglossum maxillingua</i>	6
Margined Madtom	<i>Noturus insignis</i>	4
Sea Lamprey	<i>Petromyzon marinus</i>	2
Rock Bass	<i>Ambloplites rupestris</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1

Year	Species		
	Wild Brown Trout	Wild Rainbow Trout	Native Brook Trout
2011	34*	1	4
2013	98*	4*	3
2015	58*	1	0
2017	44*	0	0

*Denotes young-of-the-year trout present