

FIBI111-R4

Pophandusing Brook

Independence St.

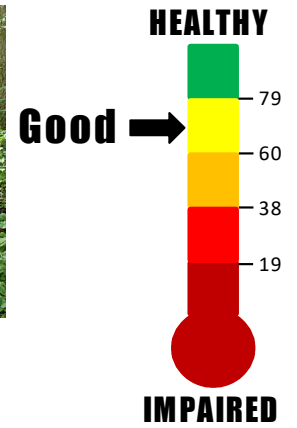
Municipality: Belvidere Twp

County: Warren

Drainage Area (sq miles): 5

Sample Date: 7/18/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	68.48
Metric 2-%Cold Non-tolerant Coolwater	74.89
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	71.23
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	77.92
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	33.11

Field Chemistry

Air Temp (°C)	25.1
Water Temperature (°C)	19.41
Dissolved Oxygen (mg/L)	8.8
% Saturation	96
pH	7.86
Conductivity (µS/cm)	369.5
Total Kjeldahl (mg/L)	0.13
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	1.11

Northern Fish IBI Score (0-100): 69.31

IBI Rating: Good

High Gradient Habitat Score (0-200): 138

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	332
American Eel	<i>Anguilla rostrata</i>	61
Creek Chub	<i>Semotilus atromaculatus</i>	43
White Sucker	<i>Catostomus commersoni</i>	35
Longnose Dace	<i>Rhinichthys cataractae</i>	29
Brown Trout	<i>Salmo trutta</i>	8
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Sea Lamprey	<i>Petromyzon marinus</i>	1