

FIBI039-R4r

Vancampens Brook

Depew Rec Site Road, off Old Mine

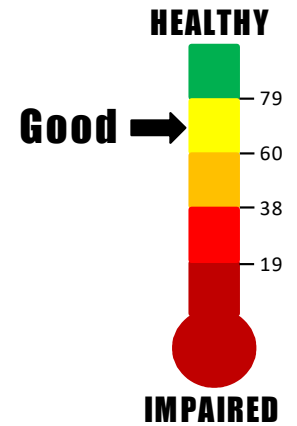
Municipality: Hardwick Twp

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 |

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.

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Vancampens Brook

| 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 |