

# FIBI068-R4

## Russia Brook

Dover-Milton Rd

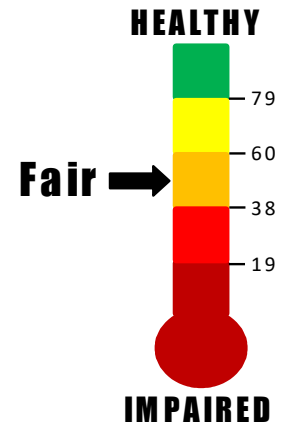
Municipality: Jefferson Twp

County: Morris

Drainage Area (sq miles): 12

Sample Date: 7 /2 /2018

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	50.68
Metric 2-%Cold Non-tolerant Coolwater	71.18
Metric 3-%Generalist Richness	39.63
Metric 4-Tolerance Index	82.59
Metric 5-%Lithophilic Richness	36.22
Metric 6-%Cyprinidae	33.70
Metric 7-%Dominant 3 Taxa	59.17
Metric 8-%Benthic Insectivore Richness	22.08

### Field Chemistry

Air Temp (°C)	28.7
Water Temperature (°C)	21.56
Dissolved Oxygen (mg/L)	7.6
% Saturation	87.4
pH	7.25
Conductivity (µS/cm)	310.8
Total Kjeldahl (mg/L)	0.17
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	0.89

*Northern Fish IBI Score (0-100): 49.41*

*IBI Rating: Fair*

*High Gradient Habitat Score (0-200): 129*

*Habitat Rating: Suboptimal*

# **FIBI068-R4**

## **Russia Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	84
Blacknose Dace	<i>Rhinichthys atratulus</i>	62
Redbreast Sunfish	<i>Lepomis auritus</i>	31
Fallfish	<i>Semotilus corporalis</i>	21
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	20
White Sucker	<i>Catostomus commersonii</i>	16
Eastern Mudminnow	<i>Umbra pygmaea</i>	6
Creek Chub	<i>Semotilus atromaculatus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2
Chain Pickerel	<i>Esox niger</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1