

# FIBI028-R4

## Moore Creek

Pleasant Valley Road

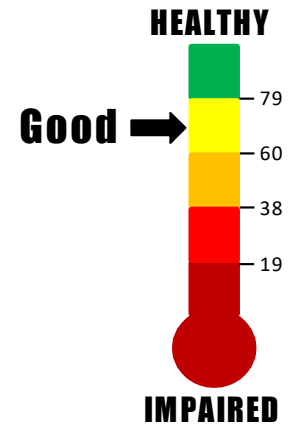
Municipality: Hopewell Twp

County: Mercer

Drainage Area (sq miles): 8

Sample Date: 6/1/2017

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	39.74
Metric 2-%Cold Non-tolerant Coolwater	76.82
Metric 3-%Generalist Richness	48.68
Metric 4-Tolerance Index	67.59
Metric 5-%Lithophilic Richness	55.73
Metric 6-%Cyprinidae	61.38
Metric 7-%Dominant 3 Taxa	88.22
Metric 8-%Benthic Insectivore Richness	61.13

### Field Chemistry

Air Temp (°C)	19.9
Water Temperature (°C)	16.56
Dissolved Oxygen (mg/L)	11.3
% Saturation	115.8
pH	7.8
Conductivity (µS/cm)	196

*Northern Fish IBI Score (0-100): 62.41*

*IBI Rating: Good*

*High Gradient Habitat Score (0-200): 145*

*Habitat Rating: Suboptimal*

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## **Moore Creek**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	547
Tessellated Darter	<i>Etheostoma olmstedi</i>	166
Banded Killifish	<i>Fundulus diaphanus</i>	151
American Eel	<i>Anguilla rostrata</i>	58
Creek Chub	<i>Semotilus atromaculatus</i>	45
Common Shiner	<i>Luxilus cornutus</i>	20
Longnose Dace	<i>Rhinichthys cataractae</i>	16
Bluegill	<i>Lepomis macrochirus</i>	7
White Sucker	<i>Catostomus commersoni</i>	7
Margined Madtom	<i>Noturus insignis</i>	5
Rock Bass	<i>Ambloplites rupestris</i>	3
Green Sunfish	<i>Lepomis cyanellus</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	2