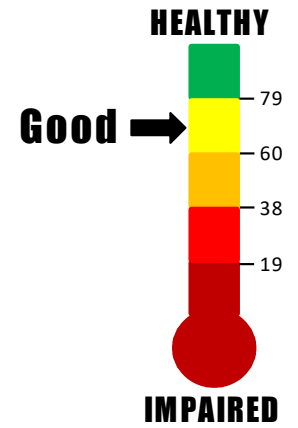


FIBI028-R4 **Moore Creek**

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
Total Kjeldahl (mg/L)	0.22
Total Phosphorus (mg/L)	0.02
Nitrate/Nitrite (mg/L)	0.14

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

Common Name	Scientific Name	Abundance
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