

FIBI120-R4

Melapardis Brook

W Pleasant Ave

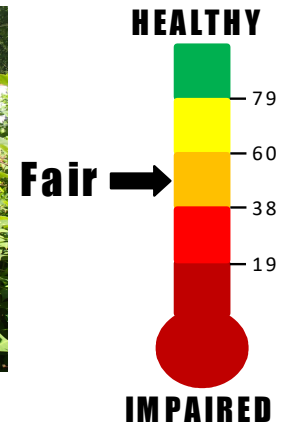
Municipality: Hanover

County: Morris

Drainage Area (sq miles): 5

Sample Date: 8 /9 /2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	38.59
Metric 2-%Cold Non-tolerant Coolwater	89.65
Metric 3-%Generalist Richness	39.63
Metric 4-Tolerance Index	88.46
Metric 5-%Lithophilic Richness	36.22
Metric 6-%Cyprinidae	80.80
Metric 7-%Dominant 3 Taxa	41.07
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	28.7
Water Temperature (°C)	25.42
Dissolved Oxygen (mg/L)	7.5
% Saturation	91.9
pH	7.42
Conductivity (µS/cm)	453.9
Total Kjeldahl (mg/L)	0.61
Total Phosphorus (mg/L)	0.12
Nitrate/Nitrite (mg/L)	0.19

Northern Fish IBI Score (0-100): 57.32

IBI Rating: Fair

High Gradient Habitat Score (0-200): 138

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	137
Blacknose Dace	<i>Rhinichthys atratulus</i>	104
Creek Chub	<i>Semotilus atromaculatus</i>	67
Tessellated Darter	<i>Etheostoma olmstedii</i>	54
Spottail Shiner	<i>Notropis hudsonius</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	6
White Sucker	<i>Catostomus commersonii</i>	4
Yellow Bullhead	<i>Ameiurus natalis</i>	4
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Common Carp	<i>Cyprinus carpio</i>	2
Bluegill	<i>Lepomis macrochirus</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1