

FIBI002-R4

Furnace Brook

Pequest WMA/RR Tunnel

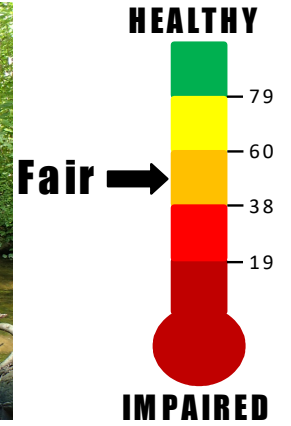
Municipality: White Twp

County: Warren

Drainage Area (sq miles): 8

Sample Date: 6 /26/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	39.85
Metric 2-%Cold Non-tolerant Coolwater	50.93
Metric 3-%Generalist Richness	48.68
Metric 4-Tolerance Index	50.70
Metric 5-%Lithophilic Richness	33.44
Metric 6-%Cyprinidae	42.27
Metric 7-%Dominant 3 Taxa	62.36
Metric 8-%Benthic Insectivore Richness	61.13

Field Chemistry

Air Temp (°C)	25.9
Water Temperature (°C)	20.16
Dissolved Oxygen (mg/L)	8.3
% Saturation	92
pH	7.53
Conductivity (µS/cm)	227.6
Total Kjeldahl (mg/L)	0.60
Total Phosphorus (mg/L)	0.08
Nitrate/Nitrite (mg/L)	0.17

Northern Fish IBI Score (0-100): 48.67

IBI Rating: Fair

High Gradient Habitat Score (0-200): 147

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	44
Blacknose Dace	<i>Rhinichthys atratulus</i>	42
Creek Chub	<i>Semotilus atromaculatus</i>	18
Tessellated Darter	<i>Etheostoma olmstedii</i>	13
Longnose Dace	<i>Rhinichthys cataractae</i>	5
Redbreast Sunfish	<i>Lepomis auritus</i>	5
White Sucker	<i>Catostomus commersoni</i>	5
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Bluegill	<i>Lepomis macrochirus</i>	2
Creek Chubsucker	<i>Erimyzon oblongus</i>	1
Sea Lamprey	<i>Petromyzon marinus</i>	1
Golden Shiner	<i>Notemigonus crysoleucas</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1