

# FIBI041-R4

## Shabakunk Creek

End of 4th Street

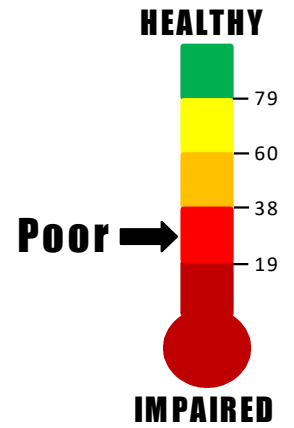
Municipality: Ewing Twp

County: Mercer

Drainage Area (sq miles): 6

Sample Date: 7/11/2017

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	9.14
Metric 2-%Cold Non-tolerant Coolwater	40.04
Metric 3-%Generalist Richness	17.67
Metric 4-Tolerance Index	70.63
Metric 5-%Lithophilic Richness	22.29
Metric 6-%Cyprinidae	26.74
Metric 7-%Dominant 3 Taxa	56.99
Metric 8-%Benthic Insectivore Richness	20.38

### Field Chemistry

Air Temp (°C)	24.6
Water Temperature (°C)	22.41
Dissolved Oxygen (mg/L)	6.3
% Saturation	71.9
pH	7.07
Conductivity (µS/cm)	451.8

*Northern Fish IBI Score (0-100): 32.99*

*IBI Rating: Poor*

*High Gradient Habitat Score (0-200): 114*

*Habitat Rating: Suboptimal*

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## **Shabakunk Creek**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	60
Creek Chub	<i>Semotilus atromaculatus</i>	37
Spottail Shiner	<i>Notropis hudsonius</i>	34
Redbreast Sunfish	<i>Lepomis auritus</i>	34
White Sucker	<i>Catostomus commersoni</i>	25
Blacknose Dace	<i>Rhinichthys atratulus</i>	15
American Eel	<i>Anguilla rostrata</i>	13
Brown Bullhead	<i>Ameiurus nebulosus</i>	4
Bluegill	<i>Lepomis macrochirus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Banded Killifish	<i>Fundulus diaphanus</i>	3
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1