

# FIBI016-R3r

## Pike Run

Harlingen Road

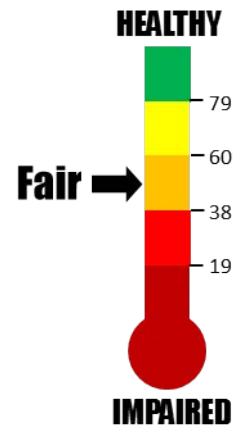
Municipality: Montgomery Twp

County: Somerset

Drainage Area (sq miles): 14

Sample Date: 07/24/2014

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	29.09
Metric 2-%Cold Non-tolerant Coolwater	63.77
Metric 3-%Generalist Richness	66.51
Metric 4-Tolerance Index	67.10
Metric 5-%Lithophilic Richness	36.22
Metric 6-%Cyprinidae	29.47
Metric 7-%Dominant 3 Taxa	43.02
Metric 8-%Benthic Insectivore Richness	39.74

### Field Chemistry

Air Temp (°C)	24.2
Water Temperature (°C)	22.4
Dissolved Oxygen (mg/L)	9.34
% Saturation	108.3
pH	7.96
Conductivity (µS/cm)	441.3

***Northern Fish IBI Score (0-100): 46.87***

***IBI Rating: Fair***

***High Gradient Habitat Score (0-200): 112***

***Habitat Rating: Suboptimal***

**Summary:** Despite the "fair" rating in 2014, there were numerous signs of impairment. Most of the fish collected were from younger age classes with fewer adults, indicating an imbalance in age structure possibly due to a die off. The substrate was covered by silt and dead periphyton, while the aquatic macrophyte beds present in previous surveys were either dead or not present. In addition, a strong smell of sewage was noted while sampling. This is one of only 3 locations in the IBI network where bridle shiner are collected, so this stretch is important to protecting this rare sensitive minnow species.

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## **Pike Run**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	178
White Sucker	<i>Catostomus commersoni</i>	43
Longnose Dace	<i>Rhinichthys cataractae</i>	40
American Eel	<i>Anguilla rostrata</i>	33
Creek Chub	<i>Semotilus atromaculatus</i>	20
Spottail Shiner	<i>Notropis hudsonius</i>	19
Satinfin Shiner	<i>Cyprinella analostana</i>	15
Swallowtail Shiner	<i>Notropis procne</i>	10
Bridle Shiner	<i>Notropis bifrenatus</i>	9
Banded Killifish	<i>Fundulus diaphanus</i>	8
Bluegill	<i>Lepomis macrochirus</i>	6
Redfin Pickerel	<i>Esox americanus americanus</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	3
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Common Shiner	<i>Luxilus cornutus</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Blacknose Dace	<i>Rhinichthys atratulus</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1
Creek Chubsucker	<i>Erimyzon oblongus</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1