

FIBI544-R1

Fiddlers Creek

Fiddlers Creek Rd

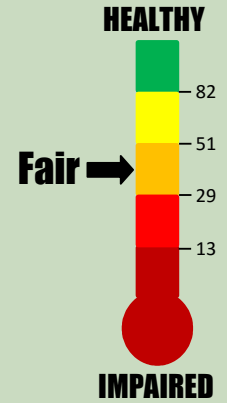
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 1.97

Sample Date: 5 /10/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	16.45
Metric 3 -Percent tolerant fish	87.80
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	0.54
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	18.3
Water Temperature (°C)	11.48
Dissolved Oxygen (mg/L)	10.90
% Saturation	99
pH	7.03
Conductivity (uS/cm)	166.7
Nitrate/Nitrite (mg/L):	0.155
Total Kjeldahl (mg/L):	0.19
Total Phosphorus (mg/L):	0.0279

Headwaters IBI Score (0-100): ***42.47***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***139***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	242
Blacknose Dace	<i>Rhinichthys atratulus</i>	199
Virile Crayfish	<i>Orconectes virilis</i>	183
Tessellated Darter	<i>Etheostoma olmstedii</i>	103
Common Shiner	<i>Luxilus cornutus</i>	88
American Eel	<i>Anguilla rostrata</i>	52
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	41
Banded Killifish	<i>Fundulus diaphanus</i>	15
Green Sunfish	<i>Lepomis cyanellus</i>	10
White Sucker	<i>Catostomus commersoni</i>	8
Creek Chubsucker	<i>Erimyzon oblongus</i>	4
Pickerel Frog	<i>Lithobates palustris</i>	3
Bluegill	<i>Lepomis macrochirus</i>	3
Green Frog	<i>Lithobates clamitans</i>	2
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	1
Bullfrog	<i>Lithobates catesbeianus</i>	1
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
Margined Madtom	<i>Noturus insignis</i>	1