

# FIBI580-R1

## Baldwins Creek

Rt. 31

Municipality: Hopewell Twp

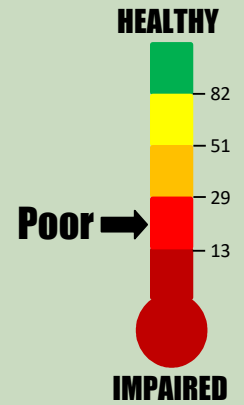
County: Mercer

Drainage Area (sq miles): 2.02

Average Width (m): 4.73

Sample Date: 8 /21/2019

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	21.93
Metric 3 -Percent tolerant fish	52.58
Metric 4 -Proportion of total richness as native	69.23
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	29.9
Water Temperature (°C)	24.21
Dissolved Oxygen (mg/L)	3.44
% Saturation	40.9
pH	7.13
Conductivity (uS/cm)	367.6
Nitrate/Nitrite (mg/L):	0.241
Total Kjeldahl (mg/L):	0.358
Total Phosphorus (mg/L):	0.16

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***Headwaters IBI Score (0-100):*** ***23.96***

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***IBI Rating:*** ***Poor***

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***High Gradient Habitat Score (0-200):*** ***115***

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***Habitat Rating:*** ***Suboptimal***

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## **Baldwins Creek**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Pumpkinseed	<i>Lepomis gibbosus</i>	99
Creek Chub	<i>Semotilus atromaculatus</i>	63
Bluegill	<i>Lepomis macrochirus</i>	49
Brown Bullhead	<i>Ameiurus nebulosus</i>	36
Green Sunfish	<i>Lepomis cyanellus</i>	33
Virile Crayfish	<i>Faxonius virilis</i>	26
Blacknose Dace	<i>Rhinichthys atratulus</i>	14
White Sucker	<i>Catostomus commersonii</i>	12
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	8
Largemouth Bass	<i>Micropterus salmoides</i>	8
Spottail Shiner	<i>Notropis hudsonius</i>	1
Green Frog	<i>Lithobates clamitans</i>	1
Golden Shiner	<i>Notemigonus crysoleucas</i>	1