

FIBI541-R2

Woodsville Brook

State Route 31

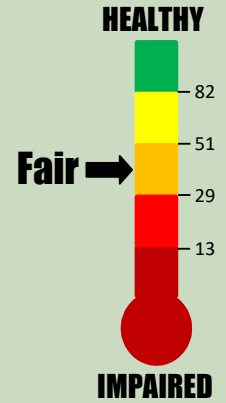
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 1.90

Average Width (m): 5.10

Sample Date: 7 /19/2019



Site Type: Fixed

Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	47.85
Metric 3 -Percent tolerant fish	69.97
Metric 4 -Proportion of total richness as native	75.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	26.1
Water Temperature (°C)	23.35
Dissolved Oxygen (mg/L)	7.50
% Saturation	87.7
pH	6.66
Conductivity (uS/cm)	210.4
Nitrate/Nitrite (mg/L):	0.997
Total Kjeldahl (mg/L):	0.213
Total Phosphorus (mg/L):	0.0395

Headwaters IBI Score (0-100): ***43.25***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***131***

Habitat Rating: ***Suboptimal***

Summary: Woodsville Brook was rated "poor" in 2014. The rating in 2019 increased to "fair" due to increases in the number of intolerant vertebrate species and the proportion of vertebrate species as top carnivores.

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Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	60
Virile Crayfish	<i>Faxonius virilis</i>	52
Blacknose Dace	<i>Rhinichthys atratulus</i>	37
Green Sunfish	<i>Lepomis cyanellus</i>	28
Pumpkinseed	<i>Lepomis gibbosus</i>	11
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	9
White Sucker	<i>Catostomus commersonii</i>	4
Tessellated Darter	<i>Etheostoma olmstedii</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Margined Madtom	<i>Noturus insignis</i>	2
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	1
Spottail Shiner	<i>Notropis hudsonius</i>	1