

NJPB-181-R1r Shabakunk Creek

Bull Run Road

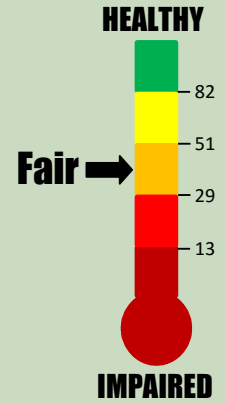
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 2.94

Sample Date: 8 /16/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	47.85
Metric 3 -Percent tolerant fish	82.72
Metric 4 -Proportion of total richness as native	66.67
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	32.2
Water Temperature (°C)	22.00
Dissolved Oxygen (mg/L)	8.45
% Saturation	95.6
pH	7.33
Conductivity (uS/cm)	540.1
Nitrate/Nitrite (mg/L):	0.65
Total Kjeldahl (mg/L):	0.81
Total Phosphorus (mg/L):	0.0441

Headwaters IBI Score (0-100): ***32.87***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***113***

Habitat Rating: ***Suboptimal***

Summary: Shabakunk Creek was rated "fair" in 2014 and 2017.

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Shabakunk Creek

Common Name	Scientific Name	Abundance
Virile Crayfish	<i>Orconectes virilis</i>	161
Blacknose Dace	<i>Rhinichthys atratulus</i>	102
Tessellated Darter	<i>Etheostoma olmstedii</i>	58
Creek Chub	<i>Semotilus atromaculatus</i>	54
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	37
White Sucker	<i>Catostomus commersoni</i>	32
Largemouth Bass	<i>Micropterus salmoides</i>	10
Bluegill	<i>Lepomis macrochirus</i>	7
Banded Killifish	<i>Fundulus diaphanus</i>	7
American Eel	<i>Anguilla rostrata</i>	5
Green Sunfish	<i>Lepomis cyanellus</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	1