

NJPB-181-R1

Shabakunk Creek

Bull Run Road

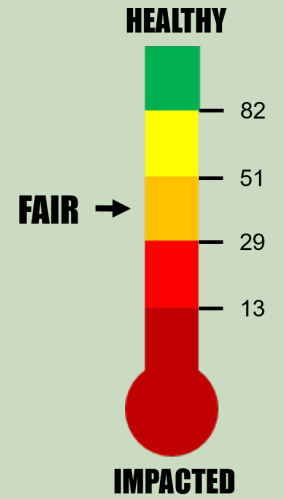
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 2.9

Sample Date: 8/7/2014

Site Type: Probabilistic



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	83.06
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)	25
Water Temperature (°C)	18.85
Dissolved Oxygen (mg/L)	6.82
% Saturation	73.3
pH	5.97
Conductivity (uS/cm)	675

Headwaters IBI Score (0-100): ***29.04***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***107***

Habitat Rating: ***Marginal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	172
Virile Crayfish	<i>Orconectes virilis</i>	131
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	65
Creek Chub	<i>Semotilus atromaculatus</i>	64
White Sucker	<i>Catostomus commersoni</i>	31
Tessellated Darter	<i>Etheostoma olmstedii</i>	30
Bluegill	<i>Lepomis macrochirus</i>	19
Pumpkinseed	<i>Lepomis gibbosus</i>	11
Banded Killifish	<i>Fundulus diaphanus</i>	8
Green Sunfish	<i>Lepomis cyanellus</i>	3
American Eel	<i>Anguilla rostrata</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Pickerel Frog	<i>Lithobates palustris</i>	1