

FIBI550-R1

Schooleys Mountain Brook

Schooleys Mountain Rd

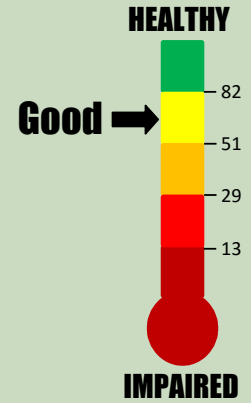
Municipality: Washington

County: Morris

Drainage Area (sq miles): 1.34

Sample Date: 5 /11/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	32.89
Metric 3 -Percent tolerant fish	85.72
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	100.00

Air Temperature (°C)	14
Water Temperature (°C)	9.88
Dissolved Oxygen (mg/L)	10.80
% Saturation	96.6
pH	7.05
Conductivity (uS/cm)	337.4
Nitrate/Nitrite (mg/L):	0.868
Total Kjeldahl (mg/L):	0.357
Total Phosphorus (mg/L):	0.0213

Headwaters IBI Score (0-100): **80.88**

IBI Rating: **Good**

High Gradient Habitat Score (0-200): **164**

Habitat Rating: **Optimal**

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	152
Brook Trout	<i>Salvelinus fontinalis</i>	86
American Eel	<i>Anguilla rostrata</i>	30
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Pumpkinseed	<i>Lepomis gibbosus</i>	8
Common Crayfish	<i>Cambarus bartonii bartonii</i>	2
Green Frog	<i>Lithobates clamitans</i>	1
Creek Chub	<i>Semotilus atromaculatus</i>	1
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	1