

FIBI519-R2

Jackson Brook

off Indian Falls Road

Municipality: Mine Hill

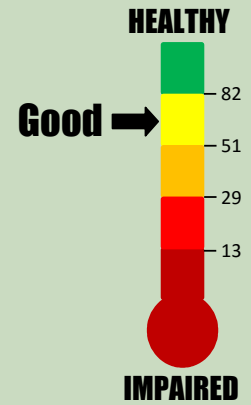
County: Morris

Drainage Area (sq miles):1.51

Average Width (m): 6.16

Sample Date: 6 /28/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	52.63
Metric 3 -Percent tolerant fish	89.49
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	25.5
Water Temperature (°C)	18.60
Dissolved Oxygen (mg/L)	8.75
% Saturation	95.7
pH	6.87
Conductivity (uS/cm)	386.2
Nitrate/Nitrite (mg/L):	0.818
Total Kjeldahl (mg/L):	0.478
Total Phosphorus (mg/L):	0.0322

Headwaters IBI Score (0-100): ***59.80***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***152***

Habitat Rating: ***Suboptimal***

Summary: Jackson Brook improved to "Good" in 2018 from a previous rating of "Fair" in 2013.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	295
Creek Chub	<i>Semotilus atromaculatus</i>	70
White Sucker	<i>Catostomus commersonii</i>	42
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	35
Brown Trout	<i>Salmo trutta</i>	9
Common Crayfish	<i>Cambarus bartonii bartonii</i>	3