

FIBI584-R1 Hickory Run

Hickory Run Rd

Municipality: Lebanon Twp

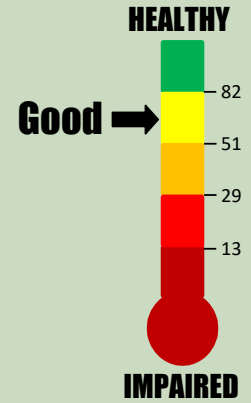
County: Hunterdon

Drainage Area (sq miles): 1.13

Average Width (m): 3.28

Sample Date: 7 /10/2019

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	100.00
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	100.00

Air Temperature (°C)	30.6
Water Temperature (°C)	17.35
Dissolved Oxygen (mg/L)	9.53
% Saturation	98.9
pH	6.39
Conductivity (uS/cm)	158.6
Nitrate/Nitrite (mg/L):	0.88
Total Kjeldahl (mg/L):	0.174
Total Phosphorus (mg/L):	0.0244

Headwaters IBI Score (0-100): ***78.22***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***173***

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Brook Trout	<i>Salvelinus fontinalis</i>	131
Blacknose Dace	<i>Rhinichthys atratulus</i>	24
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Common Crayfish	<i>Cambarus bartonii bartonii</i>	4
Bluegill	<i>Lepomis macrochirus</i>	3
Creek Chub	<i>Semotilus atromaculatus</i>	1