

FIBI525-R1

Willoughby Brook

off Buffalo Hollow Road

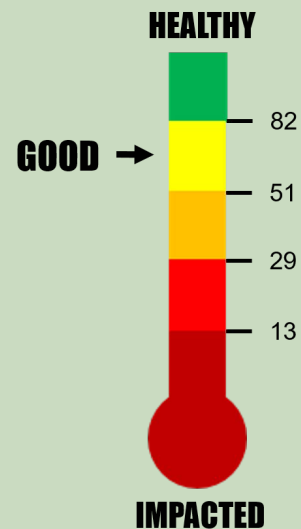
Municipality: Lebanon

County: Hunterdon

Drainage Area (sq miles): 1.1

Sample Date: 9/11/2013

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	100.00
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	59.41

Air Temperature (°C)	28.3
Water Temperature (°C)	18.45
Dissolved Oxygen (mg/L)	9.05
% Saturation	98
pH	7.59
Conductivity (uS/cm)	203.7

Headwaters IBI Score (0-100): **73.79**

IBI Rating: **Good**

High Gradient Habitat Score (0-200): **154**

Habitat Rating: **Suboptimal**

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	97
Brook Trout	<i>Salvelinus fontinalis</i>	36
Brown Trout	<i>Salmo trutta</i>	19
Creek Chub	<i>Semotilus atromaculatus</i>	13
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	6
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	1