

FIBI501-R1

Beattys Brook

off Penwell Road

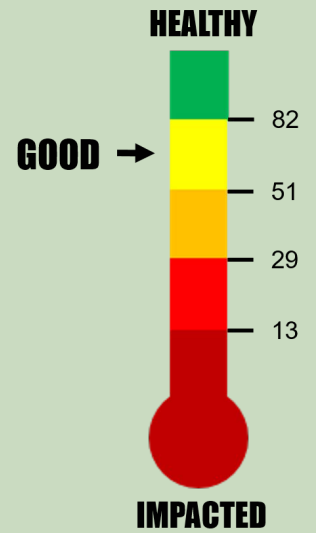
Municipality: Lebanon

County: Hunterdon

Drainage Area (sq miles): 1.6

Sample Date: 7/26/2013

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	87.72
Metric 3 -Percent tolerant fish	81.01
Metric 4 -Proportion of total richness as native	85.71
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	45.10

Air Temperature (°C)	20.4
Water Temperature (°C)	16.17
Dissolved Oxygen (mg/L)	9.3
% Saturation	93.7
pH	5.37
Conductivity (uS/cm)	156

Headwaters IBI Score (0-100): ***77.70***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***170***

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	63
Brook Trout	<i>Salvelinus fontinalis</i>	41
American Eel	<i>Anguilla rostrata</i>	25
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	15
Common Crayfish	<i>Cambarus bartonii bartonii</i>	9
Brown Trout	<i>Salmo trutta</i>	8
Green Frog	<i>Lithobates clamitans</i>	1