

# FIBI501-R1r Beattys Brook

Penwell Road

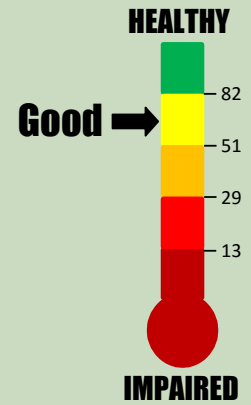
Municipality: Lebanon

County: Hunterdon

Drainage Area (sq miles): 1.58

Sample Date: 5 /15/2017

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	88.11
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)	15.4
Water Temperature (°C)	10.72
Dissolved Oxygen (mg/L)	10.80
% Saturation	98.5
pH	6.64
Conductivity (uS/cm)	155.8
Nitrate/Nitrite (mg/L):	0.815
Total Kjeldahl (mg/L):	0.235
Total Phosphorus (mg/L):	0.0162

***Headwaters IBI Score (0-100): 79.01***

***IBI Rating: Good***

***High Gradient Habitat Score (0-200): 168***

***Habitat Rating: Optimal***

**Summary:** Beattys Brook was rated "Good" in 2014 and 2017. This site contains a healthy population of brook trout.

# **FIBI501-R1r**

## **Beattys Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Brook Trout	<i>Salvelinus fontinalis</i>	88
Blacknose Dace	<i>Rhinichthys atratulus</i>	67
American Eel	<i>Anguilla rostrata</i>	20
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	13
Green Frog	<i>Lithobates clamitans</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	2