

FIBI517-R1r

Beerskill

Shaytown Rd

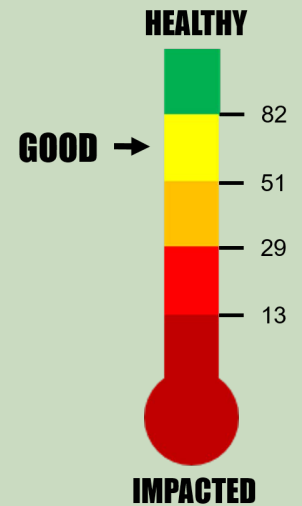
Municipality: Montague

County: Sussex

Drainage Area (sq miles): 1.5

Sample Date: 7/22/2015 Site

Type: Sentinel



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	65.79
Metric 3 -Percent tolerant fish	95.52
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	59.41

Air Temperature (°C)	23.2
Water Temperature (°C)	17.6
Dissolved Oxygen (mg/L)	9.21
% Saturation	99.9
pH	7
Conductivity (uS/cm)	74

Headwaters IBI Score (0-100): ***70.12***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***184***

Habitat Rating: ***Optimal***

Summary: FIBI517 is a sentinel site which is sampled every three years for Headwaters IBI monitoring to evaluate assemblage changes through time and to better understand natural variability. This site was rated "good" in 2015. The Beerskill decreased in score and rating from 2013 to 2015; however, this was mainly due to not capturing any common crayfish in 2015. This site still contains a healthy population of sensitive fish and salamanders. Beerskill is located in a highly forested watershed and protected within the Stokes State Forest.

FIBI517-R1r

Beerskill

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	37
Brook Trout	<i>Salvelinus fontinalis</i>	27
Slimy Sculpin	<i>Cottus cognatus</i>	25
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	21
Green Frog	<i>Lithobates clamitans</i>	10
American Eel	<i>Anguilla rostrata</i>	4
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	3
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	2