

# FIBI517-R1

## Beerskill

Shaytown Rd

Municipality: Montague

County: Sussex

Drainage Area (sq miles): 1.5

Sample Date: 8/6/2013

Site Type: Sentinel



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	29.24
Metric 3 -Percent tolerant fish	94.44
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)	20.1
Water Temperature (°C)	14.25
Dissolved Oxygen (mg/L)	8.67
% Saturation	83.8
pH	5.75
Conductivity (uS/cm)	62

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***Headwaters IBI Score (0-100):*** ***87.28***

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***IBI Rating:*** ***Excellent***

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***High Gradient Habitat Score (0-200):*** ***186***

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***Habitat Rating:*** ***Optimal***

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**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 was rated "excellent" in 2013. This site contains a healthy population of sensitive fish, crayfish and salamanders. Beerskill is located in a highly forested watershed and protected within the Stokes State Forest.

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## Beerskill

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Brook Trout	<i>Salvelinus fontinalis</i>	77
Blacknose Dace	<i>Rhinichthys atratulus</i>	68
Slimy Sculpin	<i>Cottus cognatus</i>	30
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	19
American Eel	<i>Anguilla rostrata</i>	10
Green Frog	<i>Lithobates clamitans</i>	6
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	3
Golden Shiner	<i>Notemigonus crysoleucas</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	2
Pickerel Frog	<i>Lithobates palustris</i>	1