

FIBI518-R1

Criss Brook

Flatbrook Road

Municipality: Sandyston

County: Sussex

Drainage Area (sq miles): 1.0

Sample Date: 8/14/2013

Site Type: Fixed



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	93.47
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	79.21

Air Temperature (°C)	19.5
Water Temperature (°C)	15.39
Dissolved Oxygen (mg/L)	9.17
% Saturation	91.6
pH	4.89
Conductivity (uS/cm)	45

Headwaters IBI Score (0-100): ***83.65***

IBI Rating: ***Excellent***

High Gradient Habitat Score (0-200): ***167***

Habitat Rating: ***Optimal***

Summary: FIBI518 was rated "excellent" in 2013. This site contains a healthy population of sensitive fish, crayfish and salamanders. Criss Brook is located in a highly forested watershed which is mostly protected within Stokes State Forest.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	132
Brook Trout	<i>Salvelinus fontinalis</i>	48
Slimy Sculpin	<i>Cottus cognatus</i>	40
American Eel	<i>Anguilla rostrata</i>	16
Creek Chub	<i>Semotilus atromaculatus</i>	10
Common Crayfish	<i>Cambarus bartonii bartonii</i>	10
Longnose Dace	<i>Rhinichthys cataractae</i>	5
Sea Lamprey	<i>Petromyzon marinus</i>	4
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	4
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	2