

# FIBI452-R1

## Stony Brook UNT

Coursen Road

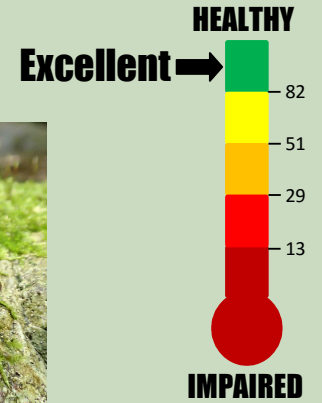
Municipality: Sandyston

County: Sussex

Drainage Area (sq miles): 0.74

Sample Date: 9 /5 /2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	87.72
Metric 3 -Percent tolerant fish	96.41
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	4.95

Air Temperature (°C)	23.6
Water Temperature (°C)	15.81
Dissolved Oxygen (mg/L)	9.06
% Saturation	93.6
pH	6.64
Conductivity (uS/cm)	41
Nitrate/Nitrite (mg/L):	0.093
Total Kjeldahl (mg/L):	0.458
Total Phosphorus (mg/L):	0.0919

***Headwaters IBI Score (0-100):*** ***81.51***

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

***High Gradient Habitat Score (0-200):*** ***166***

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

**Summary:**

FIBI452 was rated "Excellent" in 2017. During this sampling event an adult northern spring salamander, a species of special concern in NJ, was collected. This site is located in a heavily forested watershed within Stokes State Forest.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	50
Green Frog	<i>Lithobates clamitans</i>	23
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	12
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	7
Brook Trout	<i>Salvelinus fontinalis</i>	6
Common Crayfish	<i>Cambarus bartonii bartonii</i>	5
American Eel	<i>Anguilla rostrata</i>	2
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	2
Red-spotted Newt	<i>Notophthalmus viridescens viridescens</i>	1
Northern Spring Salamander	<i>Gyrinophilus porphyriticus porphyriticus</i>	1