

# FIBI528-R1 Trout Brook Tributary

Foundry Road

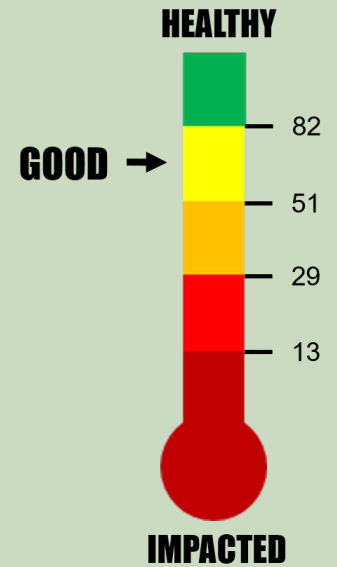
Municipality: Stillwater

County: Sussex

Drainage Area (sq miles): 0.7

Sample Date: 5/14/2013

Site Type: Validation



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	49.34
Metric 3 -Percent tolerant fish	88.51
Metric 4 -Proportion of total richness as native	94.12
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	12.7
Water Temperature (°C)	12.61
Dissolved Oxygen (mg/L)	9.09
% Saturation	84.7
pH	5.51
Conductivity (uS/cm)	56

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***Headwaters IBI Score (0-100): 72.00***

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***IBI Rating: Good***

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***High Gradient Habitat Score (0-200): 171***

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***Habitat Rating: Optimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	116
Golden Shiner	<i>Notemigonus crysoleucas</i>	89
Creek Chub	<i>Semotilus atromaculatus</i>	38
Pumpkinseed	<i>Lepomis gibbosus</i>	24
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	15
Brown Bullhead	<i>Ameiurus nebulosus</i>	12
Eastern Mudminnow	<i>Umbra pygmaea</i>	12
Green Frog	<i>Lithobates clamitans</i>	11
American Eel	<i>Anguilla rostrata</i>	10
Common Crayfish	<i>Cambarus bartonii bartonii</i>	8
Bullfrog	<i>Lithobates catesbeianus</i>	4
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Margined Madtom	<i>Noturus insignis</i>	3
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	2
Red-spotted Newt	<i>Notophthalmus viridescens viridescens</i>	2
Creek Chubsucker	<i>Erimyzon oblongus</i>	1