

FIBI547-R1

Stony Brook

Stonybrook Rd.

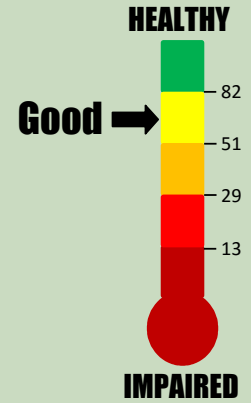
Municipality: Knowlton

County: Warren

Drainage Area (sq miles): 3.02

Sample Date: 7 /21/2017

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	98.39
Metric 4 -Proportion of total richness as native	90.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	9.90

Air Temperature (°C)	22.8
Water Temperature (°C)	20.28
Dissolved Oxygen (mg/L)	8.39
% Saturation	93.5
pH	6.83
Conductivity (uS/cm)	115
Nitrate/Nitrite (mg/L):	0.244
Total Kjeldahl (mg/L):	0.105
Total Phosphorus (mg/L):	0.0178

Headwaters IBI Score (0-100): ***81.00***

IBI Rating: ***Good***

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

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	129
Creek Chub	<i>Semotilus atromaculatus</i>	42
Common Crayfish	<i>Cambarus bartonii bartonii</i>	18
Brook Trout	<i>Salvelinus fontinalis</i>	12
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Brown Trout	<i>Salmo trutta</i>	8
White Sucker	<i>Catostomus commersoni</i>	3
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	1
Green Frog	<i>Lithobates clamitans</i>	1
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	1