

FIBI556-R1

Canoe Brook

East Mount Pleasant Ave

Municipality: Livingston

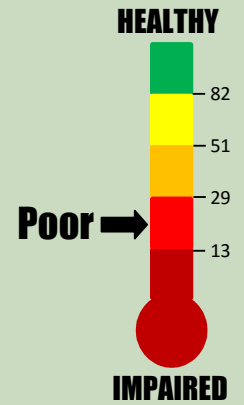
County: Essex

Drainage Area (sq miles):2.51

Average Width (m): 3.95

Sample Date: 6 /25/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	88.73
Metric 4 -Proportion of total richness as native	71.43
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.5
Water Temperature (°C)	19.82
Dissolved Oxygen (mg/L)	7.26
% Saturation	79.6
pH	7.2
Conductivity (uS/cm)	822.1
Nitrate/Nitrite (mg/L):	0.578
Total Kjeldahl (mg/L):	0.373
Total Phosphorus (mg/L):	0.0644

Headwaters IBI Score (0-100): **26.69**

IBI Rating: **Poor**

High Gradient Habitat Score (0-200): **96**

Habitat Rating: **Marginal**

FIBI556-R1

Canoe Brook

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	157
Creek Chub	<i>Semotilus atromaculatus</i>	122
White Sucker	<i>Catostomus commersonii</i>	17
Green Sunfish	<i>Lepomis cyanellus</i>	14
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	1