

FIBI591-R1

Chambers Brook Trib

Harlan School Rd

Municipality: Branchburg Twp

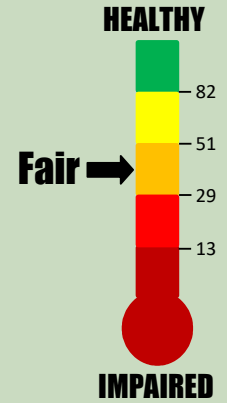
County: Somerset

Drainage Area (sq miles): 2.29

Average Width (m): 6.78

Sample Date: 5/7/2019

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	29.24
Metric 3 -Percent tolerant fish	96.22
Metric 4 -Proportion of total richness as native	81.82
Metric 5 -Percent native crayfish	93.75
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	24.4
Water Temperature (°C)	13.11
Dissolved Oxygen (mg/L)	10.84
% Saturation	101
pH	6.73
Conductivity (uS/cm)	206.3
Nitrate/Nitrite (mg/L):	2.22
Total Kjeldahl (mg/L):	0.351
Total Phosphorus (mg/L):	0.103

Headwaters IBI Score (0-100): ***50.17***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***122***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedi</i>	94
Bluegill	<i>Lepomis macrochirus</i>	57
Spinycheek Crayfish	<i>Faxonius limosus</i>	30
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	13
American Eel	<i>Anguilla rostrata</i>	5
Redfin Pickerel	<i>Esox americanus americanus</i>	4
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Virile Crayfish	<i>Faxonius virilis</i>	2
Creek Chub	<i>Semotilus atromaculatus</i>	1
White Sucker	<i>Catostomus commersonii</i>	1
Blacknose Dace	<i>Rhinichthys atratulus</i>	1