

# FIBI583-R1

## Cuckels Brook

Frog Hollow Rd

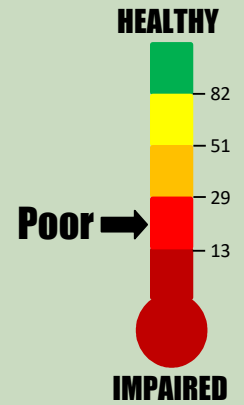
Municipality: Bridgewater Twp

County: Somerset

Drainage Area (sq miles): 1.63

Average Width (m): 4.69

Sample Date: 7 /3 /2019



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	60.81
Metric 4 -Proportion of total richness as native	60.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	28.4
Water Temperature (°C)	22.24
Dissolved Oxygen (mg/L)	6.43
% Saturation	73.3
pH	6.79
Conductivity (uS/cm)	1089
Nitrate/Nitrite (mg/L):	0.568
Total Kjeldahl (mg/L):	0.293
Total Phosphorus (mg/L):	0.0765

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***Headwaters IBI Score (0-100):*** ***20.13***

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***IBI Rating:*** ***Poor***

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***High Gradient Habitat Score (0-200):*** ***115***

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***Habitat Rating:*** ***Suboptimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Creek Chub	<i>Semotilus atromaculatus</i>	66
Banded Killifish	<i>Fundulus diaphanus</i>	21
Blacknose Dace	<i>Rhinichthys atratulus</i>	20
Fathead Minnow	<i>Pimephales promelas</i>	14
Green Sunfish	<i>Lepomis cyanellus</i>	10
White Sucker	<i>Catostomus commersonii</i>	9
Oriental Weatherfish	<i>Misgurnus anguillicaudatus</i>	9
American Eel	<i>Anguilla rostrata</i>	3
Common Carp	<i>Cyprinus carpio</i>	1
Tessellated Darter	<i>Etheostoma olmstedii</i>	1