

# FIBI568-R1

## Loantaka Brook

Loantaka Way

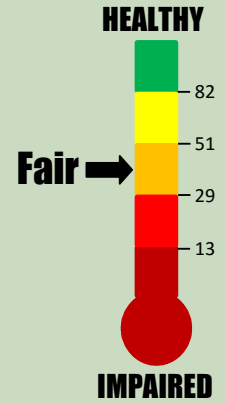
Municipality: Chatham

County: Morris

Drainage Area (sq miles): 3.49

Average Width (m): 5.88

Sample Date: 5 /2 /2018



Site Type: Fixed

Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	26.32
Metric 3 -Percent tolerant fish	92.74
Metric 4 -Proportion of total richness as native	66.67
Metric 5 -Percent native crayfish	75.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	30
Water Temperature (°C)	15.17
Dissolved Oxygen (mg/L)	10.70
% Saturation	106.2
pH	8.05
Conductivity (uS/cm)	1045
Nitrate/Nitrite (mg/L):	1.79
Total Kjeldahl (mg/L):	0.601
Total Phosphorus (mg/L):	0.0713

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***Headwaters IBI Score (0-100):*** ***43.45***

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***IBI Rating:*** ***Fair***

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***High Gradient Habitat Score (0-200):*** ***121***

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

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedi</i>	89
Creek Chub	<i>Semotilus atromaculatus</i>	63
White River Crayfish	<i>Procambarus acutus</i>	12
Pumpkinseed	<i>Lepomis gibbosus</i>	4
White Sucker	<i>Catostomus commersonii</i>	4
Virile Crayfish	<i>Orconectes virilis</i>	4
Redfin Pickerel	<i>Esox americanus americanus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	3
Green Sunfish	<i>Lepomis cyanellus</i>	2
Fathead Minnow	<i>Pimephales promelas</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Creek Chubsucker	<i>Erimyzon oblongus</i>	1