

# FIBI557-R1

## Catfish Brook

James St.

Municipality: Harding

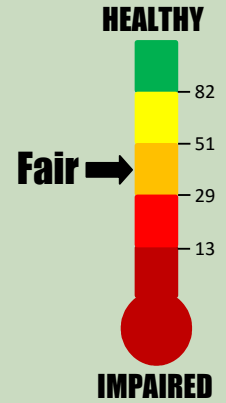
County: Morris

Drainage Area (sq miles):2.85

Average Width (m): 4.26

Sample Date: 5 /7 /2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	37.59
Metric 3 -Percent tolerant fish	70.83
Metric 4 -Proportion of total richness as native	66.67
Metric 5 -Percent native crayfish	58.97
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	19.3
Water Temperature (°C)	12.93
Dissolved Oxygen (mg/L)	10.22
% Saturation	96.6
pH	7.02
Conductivity (uS/cm)	757.1
Nitrate/Nitrite (mg/L):	0.966
Total Kjeldahl (mg/L):	0.323
Total Phosphorus (mg/L):	0.0375

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<b><i>Headwaters IBI Score (0-100):</i></b>	<b><i>39.01</i></b>
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<b><i>IBI Rating:</i></b>	<b><i>Fair</i></b>
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<b><i>High Gradient Habitat Score (0-200):</i></b>	<b><i>129</i></b>
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<b><i>Habitat Rating:</i></b>	<b><i>Suboptimal</i></b>
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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Eastern Mudminnow	<i>Umbra pygmaea</i>	42
Tessellated Darter	<i>Etheostoma olmstedii</i>	34
Pumpkinseed	<i>Lepomis gibbosus</i>	32
White River Crayfish	<i>Procambarus acutus</i>	23
Virile Crayfish	<i>Orconectes virilis</i>	16
Redfin Pickerel	<i>Esox americanus americanus</i>	14
Green Sunfish	<i>Lepomis cyanellus</i>	5
Bluegill	<i>Lepomis macrochirus</i>	3
Blacknose Dace	<i>Rhinichthys atratulus</i>	2