

# FIBI570-R1

## Mill Brook

Fords Rd

Municipality: Randolph

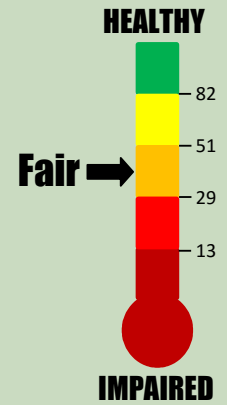
County: Morris

Drainage Area (sq miles): 2.43

Average Width (m): 6.70

Sample Date: 9/5/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	32.89
Metric 3 -Percent tolerant fish	71.58
Metric 4 -Proportion of total richness as native	77.78
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	24
Water Temperature (°C)	18.91
Dissolved Oxygen (mg/L)	8.91
% Saturation	96.3
pH	6.86
Conductivity (uS/cm)	690.8
Nitrate/Nitrite (mg/L):	2.39
Total Kjeldahl (mg/L):	0.124
Total Phosphorus (mg/L):	0.0142

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***Headwaters IBI Score (0-100):*** ***41.49***

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

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***High Gradient Habitat Score (0-200):*** ***140***

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

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Brown Trout	<i>Salmo trutta</i>	69
Blacknose Dace	<i>Rhinichthys atratulus</i>	54
Pumpkinseed	<i>Lepomis gibbosus</i>	43
Creek Chub	<i>Semotilus atromaculatus</i>	37
White Sucker	<i>Catostomus commersonii</i>	19
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	16
Redbreast Sunfish	<i>Lepomis auritus</i>	5
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	5
Virile Crayfish	<i>Orconectes virilis</i>	3