

FIBI535-R1

Cat Tail Brook Tributary

Montgomery Street

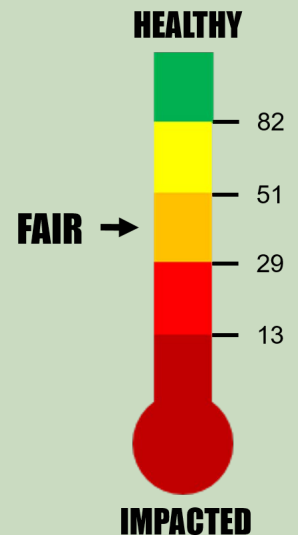
Municipality: Hillsborough

County: Somerset

Drainage Area (sq miles): 1.8

Sample Date: 5/27/2014

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	67.46
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.3
Water Temperature (°C)	16.81
Dissolved Oxygen (mg/L)	6.29
% Saturation	88.7
pH	6.3
Conductivity (uS/cm)	131

Headwaters IBI Score (0-100): **46.19**

IBI Rating: **Fair**

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

Habitat Rating: **Suboptimal**

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Common Name	Scientific Name	Abundance
Creek Chub	<i>Semotilus atromaculatus</i>	149
White Sucker	<i>Catostomus commersoni</i>	87
Blacknose Dace	<i>Rhinichthys atratulus</i>	45
Common Shiner	<i>Luxilus cornutus</i>	40
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	32
Pumpkinseed	<i>Lepomis gibbosus</i>	14
Spinycheek Crayfish	<i>Orconectes limosus</i>	12
American Eel	<i>Anguilla rostrata</i>	10
Bluegill	<i>Lepomis macrochirus</i>	8
Largemouth Bass	<i>Micropterus salmoides</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
Green Frog	<i>Lithobates clamitans</i>	1