

FIBI538-R1

Ross Brook

East Spring Street

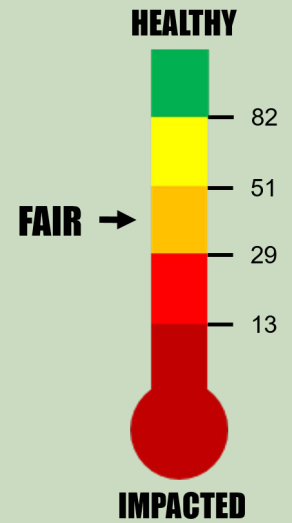
Municipality: Somerville

County: Somerset

Drainage Area (sq miles): 1.3

Sample Date: 6/11/2014

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	96.81
Metric 4 -Proportion of total richness as native	83.33
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	18.7
Water Temperature (°C)	17.79
Dissolved Oxygen (mg/L)	7.94
% Saturation	82.9
pH	6.4
Conductivity (uS/cm)	1008

Headwaters IBI Score (0-100): **30.02**

IBI Rating: **Fair**

High Gradient Habitat Score (0-200): **97**

Habitat Rating: **Marginal**

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	136
Creek Chub	<i>Semotilus atromaculatus</i>	42
Longnose Dace	<i>Rhinichthys cataractae</i>	12
Virile Crayfish	<i>Orconectes virilis</i>	11
Banded Killifish	<i>Fundulus diaphanus</i>	6
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	4