

# FIBI510-R1

## Chambers Brook

end of Frohlin Drive

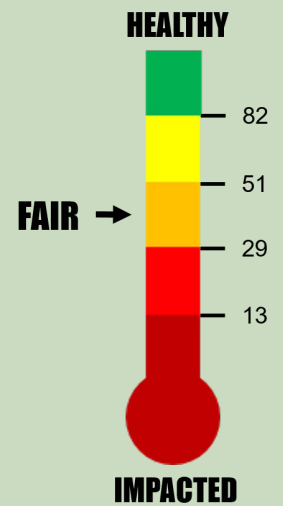
Municipality: Bridgewater

County: Somerset

Drainage Area (sq miles): 1.1

Sample Date: 9/16/2013

Site Type: Validation



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	52.63
Metric 3 -Percent tolerant fish	51.14
Metric 4 -Proportion of total richness as native	63.64
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	16
Water Temperature (°C)	13.88
Dissolved Oxygen (mg/L)	9.17
% Saturation	88.2
pH	6.53
Conductivity (uS/cm)	553

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***Headwaters IBI Score (0-100):*** ***44.57***

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

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

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

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Pumpkinseed	<i>Lepomis gibbosus</i>	337
Blacknose Dace	<i>Rhinichthys atratulus</i>	198
Creek Chub	<i>Semotilus atromaculatus</i>	160
Bluegill	<i>Lepomis macrochirus</i>	93
Green Sunfish	<i>Lepomis cyanellus</i>	55
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	20
Fathead Minnow	<i>Pimephales promelas</i>	17
Brown Bullhead	<i>Ameiurus nebulosus</i>	10
Bullfrog	<i>Lithobates catesbeianus</i>	1
Common Crayfish	<i>Cambarus bartonii bartonii</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1