

NJS2016-047-R1

Chambers Brook Tributary

Industrial Parkway

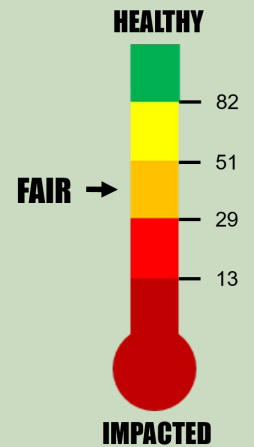
Municipality: Branchburg

County: Somerset

Drainage Area (sq miles): 0.5

Sample Date: 5 /24/2016

Site Type: Probabilistic



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	99.10
Metric 4 -Proportion of total richness as native	87.50
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	19.6
Water Temperature (°C)	15.53
Dissolved Oxygen (mg/L)	9.08
% Saturation	90.9
pH	7.11
Conductivity (uS/cm)	405.2

Headwaters IBI Score (0-100): ***31.10***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***136***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	193
Creek Chub	<i>Semotilus atromaculatus</i>	96
Tessellated Darter	<i>Etheostoma olmstedii</i>	54
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	49
Virile Crayfish	<i>Orconectes virilis</i>	14
White Sucker	<i>Catostomus commersoni</i>	3
Pickerel Frog	<i>Lithobates palustris</i>	2
Green Frog	<i>Lithobates clamitans</i>	2