

NJS2016-004-R1

Stony Brook Tributary

Mountain Church Road

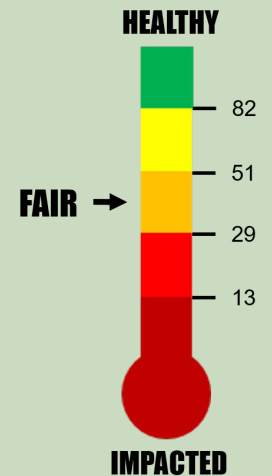
Municipality: Hopewell

County: Mercer

Drainage Area (sq miles): 0.3 Sample

Date: 5 /23/2016

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	89.59
Metric 4 -Proportion of total richness as native	85.71
Metric 5 -Percent native crayfish	5.71
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.7
Water Temperature (°C)	12.87
Dissolved Oxygen (mg/L)	6.92
% Saturation	65.99
pH	6.38
Conductivity (uS/cm)	103.6

Headwaters IBI Score (0-100): ***30.17***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***133***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Virile Crayfish	<i>Orconectes virilis</i>	33
Creek Chub	<i>Semotilus atromaculatus</i>	9
Green Frog	<i>Lithobates clamitans</i>	7
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	3
Pickerel Frog	<i>Lithobates palustris</i>	2
Common Crayfish	<i>Cambarus bartonii bartonii</i>	2
American Eel	<i>Anguilla rostrata</i>	1