

NJS2016-059-R1

Walnut Brook

South Main Street

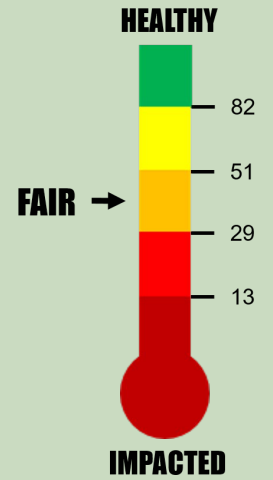
Municipality: Raritan

County: Hunterdon

Drainage Area (sq miles): 3.4

Sample Date: 8 /25/2016

Site Type: Probabilistic



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	89.19
Metric 4 -Proportion of total richness as native	63.64
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	25.4
Water Temperature (°C)	21.31
Dissolved Oxygen (mg/L)	9.22
% Saturation	98.3
pH	7.16
Conductivity (uS/cm)	389.2

Headwaters IBI Score (0-100): ***29.86***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***111***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Virile Crayfish	<i>Orconectes virilis</i>	43
Blacknose Dace	<i>Rhinichthys atratulus</i>	39
Creek Chub	<i>Semotilus atromaculatus</i>	14
Tessellated Darter	<i>Etheostoma olmstedii</i>	6
Green Sunfish	<i>Lepomis cyanellus</i>	5
Common Shiner	<i>Luxilus cornutus</i>	4
Bluegill	<i>Lepomis macrochirus</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	2
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	2
White Sucker	<i>Catostomus commersoni</i>	2
American Eel	<i>Anguilla rostrata</i>	1