

NJS2016-016-R1

Sparta Junction Brook

Houses Corner Road

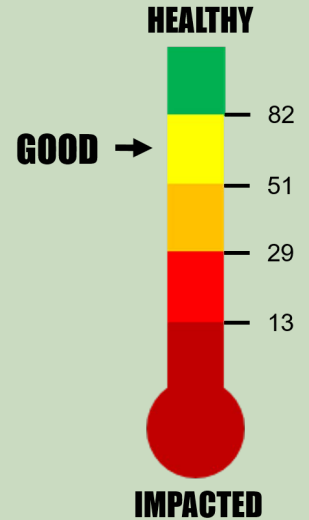
Municipality: Sparta

County: Sussex

Drainage Area (sq miles): 3.2

Sample Date: 7 /14/2016

Site Type: Probabilistic



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	26.32
Metric 3 -Percent tolerant fish	85.76
Metric 4 -Proportion of total richness as native	90.91
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	31.1
Water Temperature (°C)	22.79
Dissolved Oxygen (mg/L)	8.04
% Saturation	95.1
pH	7.85
Conductivity (uS/cm)	884.4

Headwaters IBI Score (0-100): 56.05

IBI Rating: Good

High Gradient Habitat Score (0-200): 132

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	105
Tessellated Darter	<i>Etheostoma olmstedi</i>	91
White Sucker	<i>Catostomus commersoni</i>	36
Creek Chub	<i>Semotilus atromaculatus</i>	30
Spinycheek Crayfish	<i>Orconectes limosus</i>	24
Redfin Pickerel	<i>Esox americanus americanus</i>	13
Longnose Dace	<i>Rhinichthys cataractae</i>	3
Margined Madtom	<i>Noturus insignis</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	2
Bluegill	<i>Lepomis macrochirus</i>	1