

FIBI577-R1 Watnong Brook

Sunderland Rd

Municipality: Denville

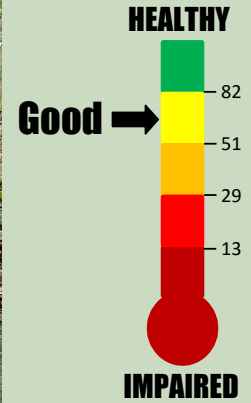
County: Morris

Drainage Area (sq miles): 0.79

Average Width (m): 3.85

Sample Date: 5 /4 /2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.8
Water Temperature (°C)	15.24
Dissolved Oxygen (mg/L)	10.21
% Saturation	103
pH	6.92
Conductivity (uS/cm)	519.9
Nitrate/Nitrite (mg/L):	1.26
Total Kjeldahl (mg/L):	0.169
Total Phosphorus (mg/L):	0.00963

Headwaters IBI Score (0-100): ***61.11***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***153***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Slimy Sculpin	<i>Cottus cognatus</i>	247
Blacknose Dace	<i>Rhinichthys atratulus</i>	172
Creek Chub	<i>Semotilus atromaculatus</i>	39
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	16
Common Crayfish	<i>Cambarus bartonii bartonii</i>	4
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	2
Green Frog	<i>Lithobates clamitans</i>	1