

FIBI589-R1

Black Brook

Van Syckles Rd

Municipality: Union Twp

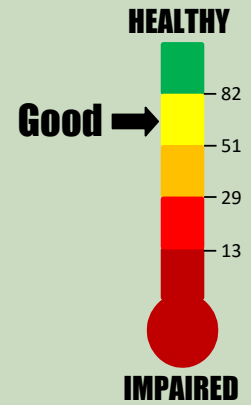
County: Hunterdon

Drainage Area (sq miles): 1.63

Average Width (m): 4.73

Sample Date: 7 /2 /2019

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	37.59
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	75.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	26.2
Water Temperature (°C)	17.10
Dissolved Oxygen (mg/L)	9.63
% Saturation	99.3
pH	6.36
Conductivity (uS/cm)	154.5
Nitrate/Nitrite (mg/L):	0.515
Total Kjeldahl (mg/L):	0.177
Total Phosphorus (mg/L):	0.0326

Headwaters IBI Score (0-100): ***57.65***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***155***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	27
Creek Chub	<i>Semotilus atromaculatus</i>	14
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	14
Common Crayfish	<i>Cambarus bartonii bartonii</i>	11
Longnose Dace	<i>Rhinichthys cataractae</i>	5
Brown Trout	<i>Salmo trutta</i>	5
Bluegill	<i>Lepomis macrochirus</i>	1
Tessellated Darter	<i>Etheostoma olmstedii</i>	1