

# FIBI404a-R1

## Blue Brook

Skytop Dr

Municipality: Berkeley Heights Twp

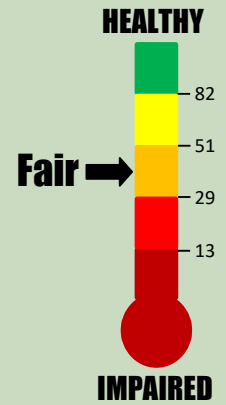
County: Union

Drainage Area (sq miles): 2.99

Average Width (m): 4.20

Sample Date: 8/15/2019

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	21.93
Metric 3 -Percent tolerant fish	77.96
Metric 4 -Proportion of total richness as native	92.86
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	22.8
Water Temperature (°C)	19.70
Dissolved Oxygen (mg/L)	8.46
% Saturation	92.1
pH	6.93
Conductivity (uS/cm)	542.5
Nitrate/Nitrite (mg/L):	0.418
Total Kjeldahl (mg/L):	0.164
Total Phosphorus (mg/L):	0.0265

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***Headwaters IBI Score (0-100):*** ***48.79***

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***IBI Rating:*** ***Fair***

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***High Gradient Habitat Score (0-200):*** ***134***

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***Habitat Rating:*** ***Suboptimal***

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedi</i>	124
Blacknose Dace	<i>Rhinichthys atratulus</i>	51
White Sucker	<i>Catostomus commersonii</i>	43
Creek Chub	<i>Semotilus atromaculatus</i>	16
Spinycheek Crayfish	<i>Faxonius limosus</i>	14
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	10
Common Crayfish	<i>Cambarus bartonii bartonii</i>	6
American Eel	<i>Anguilla rostrata</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	5
Eastern Mudminnow	<i>Umbra pygmaea</i>	4
Chain Pickerel	<i>Esox niger</i>	3
Bluegill	<i>Lepomis macrochirus</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Rainbow Trout	<i>Oncorhynchus mykiss</i>	1
Golden Shiner	<i>Notemigonus crysoleucas</i>	1