

FIBI503-R2

Diamond Brook

Harristown Road

Municipality: Fair Lawn

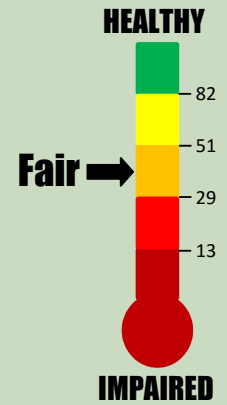
County: Bergen

Drainage Area (sq miles):2.71

Average Width (m): 6.44

Sample Date: 7 /27/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	0.00
Metric 2 - Proportion of vertebrate species as top carnivores	0.00
Metric 3 -Percent tolerant fish	80.71
Metric 4 -Proportion of total richness as native	100.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	31.6
Water Temperature (°C)	19.74
Dissolved Oxygen (mg/L)	7.80
% Saturation	85
pH	7.51
Conductivity (uS/cm)	872.5
Nitrate/Nitrite (mg/L):	3.04
Total Kjeldahl (mg/L):	0.32
Total Phosphorus (mg/L):	0.0582

Headwaters IBI Score (0-100): ***30.12***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***94***

Habitat Rating: ***Marginal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	210
Creek Chub	<i>Semotilus atromaculatus</i>	124
White Sucker	<i>Catostomus commersonii</i>	54
Mummichog	<i>Fundulus heteroclitus</i>	22
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	1