

FIBI564-R1

Hirschfield Brook

Glen Ave

Municipality: Dumont

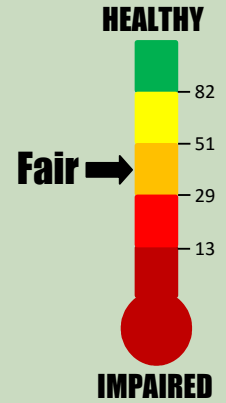
County: Bergen

Drainage Area (sq miles): 3.67

Average Width (m): 7.70

Sample Date: 5 /30/2018

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	29.68
Metric 4 -Proportion of total richness as native	72.73
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	20.2
Water Temperature (°C)	18.85
Dissolved Oxygen (mg/L)	6.75
% Saturation	71.6
pH	7.36
Conductivity (uS/cm)	818.8
Nitrate/Nitrite (mg/L):	2.34
Total Kjeldahl (mg/L):	0.45
Total Phosphorus (mg/L):	0.0629

Headwaters IBI Score (0-100): ***33.73***

IBI Rating: ***Fair***

High Gradient Habitat Score (0-200): ***119***

Habitat Rating: ***Suboptimal***

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	218
Blacknose Dace	<i>Rhinichthys atratulus</i>	79
Tessellated Darter	<i>Etheostoma olmstedi</i>	63
Green Sunfish	<i>Lepomis cyanellus</i>	40
White Sucker	<i>Catostomus commersonii</i>	22
Spinycheek Crayfish	<i>Orconectes limosus</i>	16
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	11
Pumpkinseed	<i>Lepomis gibbosus</i>	11
Banded Killifish	<i>Fundulus diaphanus</i>	2
Goldfish	<i>Carassius auratus</i>	2
Fathead Minnow	<i>Pimephales promelas</i>	1