

FIBI121-R4

Hirshfield Brook

River Rd

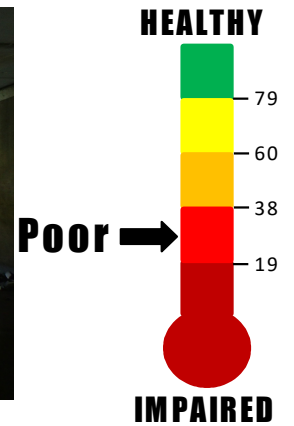
Municipality: New Milford

County: Bergen

Drainage Area (sq miles): 5

Sample Date: 8 /28/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	28.38
Metric 2-%Cold Non-tolerant Coolwater	19.09
Metric 3-%Generalist Richness	13.24
Metric 4-Tolerance Index	20.83
Metric 5-%Lithophilic Richness	20.70
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	11.38
Metric 8-%Benthic Insectivore Richness	37.84

Field Chemistry

Air Temp (°C)	30.3
Water Temperature (°C)	22.18
Dissolved Oxygen (mg/L)	10.1
% Saturation	114.8
pH	7.6
Conductivity (µS/cm)	756.6
Total Kjeldahl (mg/L)	0.21
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	1.98

Northern Fish IBI Score (0-100): 18.93

IBI Rating: Poor

High Gradient Habitat Score (0-200): 93

Habitat Rating: Marginal

Summary: The cause of the impairment is unknown.

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	167
Tessellated Darter	<i>Etheostoma olmstedi</i>	129
White Sucker	<i>Catostomus commersonii</i>	37
Green Sunfish	<i>Lepomis cyanellus</i>	29
Mummichog	<i>Fundulus heteroclitus</i>	16
Pumpkinseed	<i>Lepomis gibbosus</i>	10
Blacknose Dace	<i>Rhinichthys atratulus</i>	3