

FIBI017-R4

Pleasant Run

Locust Road

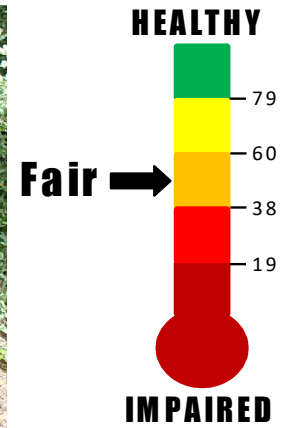
Municipality: Readington Twp

County: Hunterdon

Drainage Area (sq miles): 5

Sample Date: 8 /26/2019

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	33.12
Metric 2-%Cold Non-tolerant Coolwater	45.35
Metric 3-%Generalist Richness	64.18
Metric 4-Tolerance Index	53.59
Metric 5-%Lithophilic Richness	44.58
Metric 6-%Cyprinidae	31.08
Metric 7-%Dominant 3 Taxa	53.37
Metric 8-%Benthic Insectivore Richness	81.51

Field Chemistry

Air Temp (°C)	18.5
Water Temperature (°C)	18.51
Dissolved Oxygen (mg/L)	7.8
% Saturation	82
pH	6.53
Conductivity (µS/cm)	253.2
Total Kjeldahl (mg/L)	0.17
Total Phosphorus (mg/L)	0.08
Nitrate/Nitrite (mg/L)	0.38

Northern Fish IBI Score (0-100): 50.85

IBI Rating: Fair

High Gradient Habitat Score (0-200): 120

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
White Sucker	<i>Catostomus commersonii</i>	277
Blacknose Dace	<i>Rhinichthys atratulus</i>	136
Common Shiner	<i>Luxilus cornutus</i>	128
Tessellated Darter	<i>Etheostoma olmstedi</i>	117
Creek Chub	<i>Semotilus atromaculatus</i>	84
Redbreast Sunfish	<i>Lepomis auritus</i>	60
Longnose Dace	<i>Rhinichthys cataractae</i>	26
American Eel	<i>Anguilla rostrata</i>	23
Spottail Shiner	<i>Notropis hudsonius</i>	18
Banded Killifish	<i>Fundulus diaphanus</i>	14
Margined Madtom	<i>Noturus insignis</i>	6
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Creek Chubsucker	<i>Erimyzon oblongus</i>	1