

FIBI033-R4r

Pohatcong Creek

State Route 31

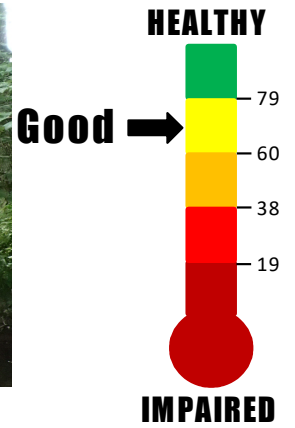
Municipality: Washington Twp

County: Warren

Drainage Area (sq miles): 10

Sample Date: 7 /13/2018

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	61.05
Metric 2-%Cold Non-tolerant Coolwater	62.07
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	83.57
Metric 5-%Lithophilic Richness	67.61
Metric 6-%Cyprinidae	80.53
Metric 7-%Dominant 3 Taxa	72.70
Metric 8-%Benthic Insectivore Richness	70.64

Field Chemistry

Air Temp (°C)	18.1
Water Temperature (°C)	19.28
Dissolved Oxygen (mg/L)	8.2
% Saturation	88.5
pH	6.89
Conductivity (µS/cm)	206.8
Total Kjeldahl (mg/L)	0.14
Total Phosphorus (mg/L)	0.02
Nitrate/Nitrite (mg/L)	0.74

Northern Fish IBI Score (0-100): 74.77

IBI Rating: Good

High Gradient Habitat Score (0-200): 148

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	275
Common Shiner	<i>Luxilus cornutus</i>	178
White Sucker	<i>Catostomus commersonii</i>	139
Cutlips Minnow	<i>Exoglossum maxillingua</i>	103
Tessellated Darter	<i>Etheostoma olmstedii</i>	46
Redbreast Sunfish	<i>Lepomis auritus</i>	33
Satinfin Shiner	<i>Cyprinella analostana</i>	32
American Eel	<i>Anguilla rostrata</i>	23
Longnose Dace	<i>Rhinichthys cataractae</i>	22
Fallfish	<i>Semotilus corporalis</i>	20
Spottail Shiner	<i>Notropis hudsonius</i>	14
Sea Lamprey	<i>Petromyzon marinus</i>	8
Creek Chub	<i>Semotilus atromaculatus</i>	6
Brown Trout	<i>Salmo trutta</i>	5
Margined Madtom	<i>Noturus insignis</i>	4