

FIBI114-R4

Pohatcong Creek

Creek Road

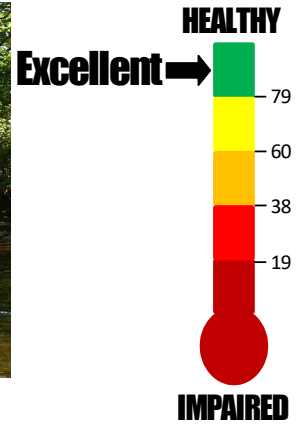
Municipality: Pohatcong Twp

County: Warren

Drainage Area (sq miles): 57

Sample Date: 8 /25/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	72.87
Metric 2-%Cold Non-tolerant Coolwater	93.14
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	81.61
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	97.31
Metric 7-%Dominant 3 Taxa	92.23
Metric 8-%Benthic Insectivore Richness	88.30

Field Chemistry

Air Temp (°C)	20.5
Water Temperature (°C)	16.69
Dissolved Oxygen (mg/L)	9.5
% Saturation	96.9
pH	7.72
Conductivity (µS/cm)	385.8
Total Kjeldahl (mg/L)	0.19
Total Phosphorus (mg/L)	0.06
Nitrate/Nitrite (mg/L)	2.93

Northern Fish IBI Score (0-100): 87.24

IBI Rating: Excellent

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>	316
American Eel	<i>Anguilla rostrata</i>	80
Tessellated Darter	<i>Etheostoma olmstedi</i>	78
Cutlips Minnow	<i>Exoglossum maxillingua</i>	57
White Sucker	<i>Catostomus commersoni</i>	42
Longnose Dace	<i>Rhinichthys cataractae</i>	26
Sea Lamprey	<i>Petromyzon marinus</i>	13
Brown Trout	<i>Salmo trutta</i>	10
Shield Darter	<i>Percina peltata</i>	9
Spottail Shiner	<i>Notropis hudsonius</i>	2
Green Sunfish	<i>Lepomis cyanellus</i>	1
Smallmouth Bass	<i>Micropterus dolomieu</i>	1