

FIBI033-R3r

Pohatcong Creek

State Route 31

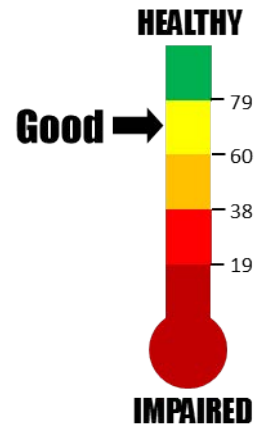
Municipality: Washington Twp

County: Warren

Drainage Area (sq miles): 10

Sample Date: 09/12/2013

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	42.66
Metric 2-%Cold Non-tolerant Coolwater	57.23
Metric 3-%Generalist Richness	76.58
Metric 4-Tolerance Index	82.75
Metric 5-%Lithophilic Richness	50.71
Metric 6-%Cyprinidae	86.95
Metric 7-%Dominant 3 Taxa	80.07
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	26.7
Water Temperature (°C)	20.57
Dissolved Oxygen (mg/L)	8.37
% Saturation	94.6
pH	7.2
Conductivity (µS/cm)	185.3

Northern Fish IBI Score (0-100): 66.24

IBI Rating: Good

High Gradient Habitat Score (0-200): 152

Habitat Rating: Suboptimal

Summary: FIBI033 is a sentinel site sampled on a frequent basis to assess environmental change and natural variability in the fish community. The collection of wild trout species has fluctuated at this site over time and as a result several metrics have declined slightly, including %Rheophilic Richness, %Cold Non-tolerant Coolwater sp., and %Lithophilic Richness.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	297
Common Shiner	<i>Luxilus cornutus</i>	203
White Sucker	<i>Catostomus commersoni</i>	141
Satinfin Shiner	<i>Cyprinella analostana</i>	125
Cutlips Minnow	<i>Exoglossum maxillingua</i>	83
Fallfish	<i>Semotilus corporalis</i>	74
Spottail Shiner	<i>Notropis hudsonius</i>	53
Tessellated Darter	<i>Etheostoma olmsted</i>	40
Redbreast Sunfish	<i>Lepomis auritus</i>	37
Longnose Dace	<i>Rhinichthys cataractae</i>	23
American Eel	<i>Anguilla rostrata</i>	22
Brown Trout	<i>Salmo trutta</i>	12
Bluegill	<i>Lepomis macrochirus</i>	5
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Creek Chub	<i>Semotilus atromaculatus</i>	4
Chain Pickerel	<i>Esox niger</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Margined Madtom	<i>Noturus insignis</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1