

# FIBI076-R3

## Pohatcong Creek

Edison Road

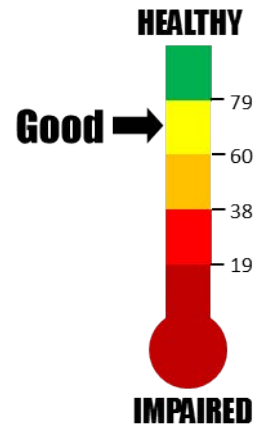
Municipality: Franklin Twp

County: Warren

Drainage Area (sq miles): 33

Sample Date: 07/24/2012

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	53.08
Metric 2-%Cold Non-tolerant Coolwater	59.75
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	77.27
Metric 6-%Cyprinidae	60.20
Metric 7-%Dominant 3 Taxa	47.81
Metric 8-%Benthic Insectivore Richness	88.30

### Field Chemistry

Air Temp (°C)	34.3
Water Temperature (°C)	22.64
Dissolved Oxygen (mg/L)	10.08
% Saturation	119.2
pH	7.46
Conductivity (µS/cm)	270

***Northern Fish IBI Score (0-100): 73.30***

***IBI Rating: Good***

***High Gradient Habitat Score (0-200): 144***

***Habitat Rating: Suboptimal***

**Summary:** Several young-of-the-year brown trout were collected from this FW2-TMC1 which indicates natural trout reproduction and makes this section of Pohatcong Creek a candidate for upgrade to trout production.

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## **Pohatcong Creek**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Cutlips Minnow	<i>Exoglossum maxillingua</i>	106
Tessellated Darter	<i>Etheostoma olmstedii</i>	93
American Eel	<i>Anguilla rostrata</i>	43
White Sucker	<i>Catostomus commersoni</i>	36
Blacknose Dace	<i>Rhinichthys atratulus</i>	30
Creek Chub	<i>Semotilus atromaculatus</i>	19
Redbreast Sunfish	<i>Lepomis auritus</i>	14
Sea Lamprey	<i>Petromyzon marinus</i>	8
Brown Trout	<i>Salmo trutta</i>	8
Shield Darter	<i>Percina peltata</i>	8
Rock Bass	<i>Ambloplites rupestris</i>	7
Margined Madtom	<i>Noturus insignis</i>	7
Longnose Dace	<i>Rhinichthys cataractae</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	3
Common Shiner	<i>Luxilus cornutus</i>	2