

# FIBI077-R4

## Pequannock River

Paterson-Hamburg Turnpike

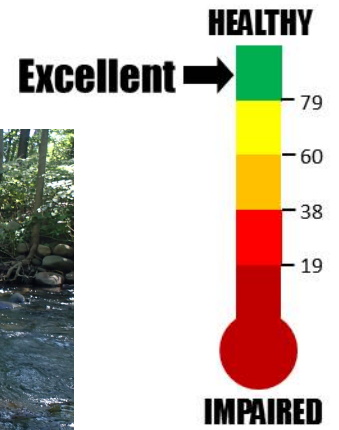
Municipality: Riverdale Twp

County: Morris

Drainage Area (sq miles): 83

Sample Date: 08/24/2016

Site Type: Sentinel



### IBI Metrics

Metric 1-%Rheophilic Richness	78.32
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	73.22
Metric 4-Tolerance Index	95.70
Metric 5-%Lithophilic Richness	84.52
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	93.44
Metric 8-%Benthic Insectivore Richness	44.15

### Field Chemistry

Air Temp (°C)	28.6
Water Temperature (°C)	19.03
Dissolved Oxygen (mg/L)	9.22
% Saturation	98.3
pH	7.46
Conductivity (µS/cm)	389.2

***Northern Fish IBI Score (0-100): 83.67***

***IBI Rating: Excellent***

***High Gradient Habitat Score (0-200): 150***

***Habitat Rating: Suboptimal***

***Summary:*** The Pequannock River FIBI077 has been one of the most consistent sites in the network, as scores have differed by just a few points in the five years of sampling.

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## **Pequannock River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	187
Creek Chub	<i>Semotilus atromaculatus</i>	85
Common Shiner	<i>Luxilus cornutus</i>	28
Cutlips Minnow	<i>Exoglossum maxillingua</i>	25
Bluegill	<i>Lepomis macrochirus</i>	21
Smallmouth Bass	<i>Micropterus dolomieu</i>	19
Brown Trout	<i>Salmo trutta</i>	15
White Sucker	<i>Catostomus commersonii</i>	14
Tessellated Darter	<i>Etheostoma olmstedii</i>	14
Redbreast Sunfish	<i>Lepomis auritus</i>	5
Fallfish	<i>Semotilus corporalis</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	1