

# FIBI077-R3

## Pequannock River

Paterson-Hamburg Turnpike

Municipality: Riverdale Twp

County: Morris

Drainage Area (sq miles): 83

Sample Date: 07/23/2012

Site Type: Sentinel



### IBI Metrics

Metric 1-%Rheophilic Richness	73.61
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	64.18
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	78.02
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	95.99
Metric 8-%Benthic Insectivore Richness	40.75

### Field Chemistry

Air Temp (°C)	27.8
Water Temperature (°C)	20.69
Dissolved Oxygen (mg/L)	9.08
% Saturation	101.9
pH	6.91
Conductivity (µS/cm)	293

*Northern Fish IBI Score (0-100): 81.57*

*IBI Rating: Excellent*

*High Gradient Habitat Score (0-200): 154*

*Habitat Rating: Suboptimal*

# **FIBI077-R3**

## **Pequannock River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	136
Cutlips Minnow	<i>Exoglossum maxillingua</i>	39
Creek Chub	<i>Semotilus atromaculatus</i>	37
Tessellated Darter	<i>Etheostoma olmstedii</i>	20
Smallmouth Bass	<i>Micropterus dolomieu</i>	19
Brown Trout	<i>Salmo trutta</i>	14
White Sucker	<i>Catostomus commersoni</i>	13
Common Shiner	<i>Luxilus cornutus</i>	12
Green Sunfish	<i>Lepomis cyanellus</i>	7
Yellow Perch	<i>Perca flavescens</i>	5
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Brook Trout	<i>Salvelinus fontinalis</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1