

FIBI077-R3r

Pequannock River

Paterson-Hamburg Turnpike

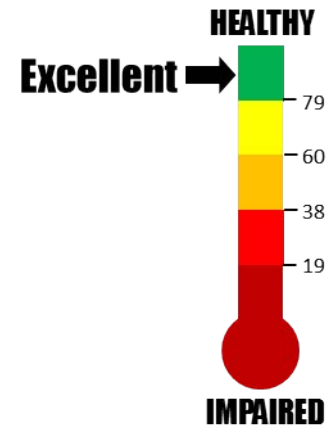
Municipality: Riverdale Twp

County: Morris

Drainage Area (sq miles): 83

Sample Date: 07/08/2014

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	89.20
Metric 3-%Generalist Richness	73.22
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	96.59
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	62.53
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	30.7
Water Temperature (°C)	21.54
Dissolved Oxygen (mg/L)	9.21
% Saturation	106
pH	7.63
Conductivity (µS/cm)	394.3

Northern Fish IBI Score (0-100): 83.21

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 161

Habitat Rating: Optimal

Summary: FIBI077 is a sentinel site sampled on a frequent basis to assess environmental change and natural variability in the fish community. FIBI077 is one of the most consistent IBI stations with IBI scores differing by just a few points each year of sampling.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	67
Cutlips Minnow	<i>Exoglossum maxillingua</i>	65
Creek Chub	<i>Semotilus atromaculatus</i>	22
Brown Trout	<i>Salmo trutta</i>	20
Tessellated Darter	<i>Etheostoma olmstedii</i>	11
Smallmouth Bass	<i>Micropterus dolomieu</i>	5
White Sucker	<i>Catostomus commersoni</i>	4
Common Shiner	<i>Luxilus cornutus</i>	3
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Green Sunfish	<i>Lepomis cyanellus</i>	1
Fallfish	<i>Semotilus corporalis</i>	1
Brook Trout	<i>Salvelinus fontinalis</i>	1