

FIBI075-R3

Pequannock River

State Route 23

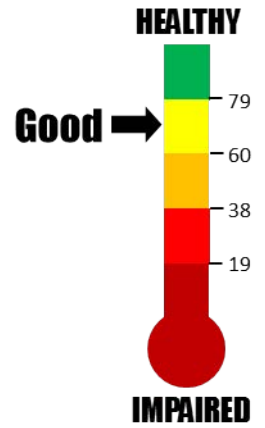
Municipality: Jefferson Twp

County: Morris

Drainage Area (sq miles): 19

Sample Date: 07/15/2013

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	48.90
Metric 2-%Cold Non-tolerant Coolwater	96.98
Metric 3-%Generalist Richness	42.03
Metric 4-Tolerance Index	75.11
Metric 5-%Lithophilic Richness	62.09
Metric 6-%Cyprinidae	97.47
Metric 7-%Dominant 3 Taxa	83.41
Metric 8-%Benthic Insectivore Richness	37.84

Field Chemistry

Air Temp (°C)	28.6
Water Temperature (°C)	23.86
Dissolved Oxygen (mg/L)	9.06
% Saturation	107.5
pH	7.77
Conductivity (µS/cm)	243.4

Northern Fish IBI Score (0-100): 67.98

IBI Rating: Good

High Gradient Habitat Score (0-200): 150

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	283
Creek Chub	<i>Semotilus atromaculatus</i>	93
White Sucker	<i>Catostomus commersoni</i>	76
Tessellated Darter	<i>Etheostoma olmstedii</i>	50
Common Shiner	<i>Luxilus cornutus</i>	49
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	1