

FIBI080-R4

Rockaway River

Blackwell Street

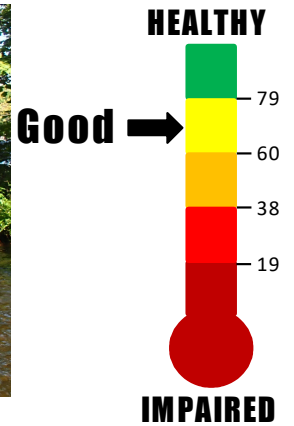
Municipality: Randolph Twp

County: Morris

Drainage Area (sq miles): 51

Sample Date: 8 /29/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	73.22
Metric 4-Tolerance Index	87.46
Metric 5-%Lithophilic Richness	60.37
Metric 6-%Cyprinidae	95.58
Metric 7-%Dominant 3 Taxa	27.54
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	27.7
Water Temperature (°C)	23.00
Dissolved Oxygen (mg/L)	8.0
% Saturation	93.6
pH	7.66
Conductivity (µS/cm)	456.6
Total Kjeldahl (mg/L)	0.23
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	0.46

Northern Fish IBI Score (0-100): 76.30

IBI Rating: Good

High Gradient Habitat Score (0-200): 150

Habitat Rating: Suboptimal

Summary: The 2018 IBI score represents the highest score for FIBI080 in the four rounds of monitoring when scores are compared using the new IBI metrics.

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	96
Tessellated Darter	<i>Etheostoma olmstedi</i>	80
Common Shiner	<i>Luxilus cornutus</i>	39
Blacknose Dace	<i>Rhinichthys atratulus</i>	25
Fallfish	<i>Semotilus corporalis</i>	21
White Sucker	<i>Catostomus commersonii</i>	8
Redbreast Sunfish	<i>Lepomis auritus</i>	7
Margined Madtom	<i>Noturus insignis</i>	4
Smallmouth Bass	<i>Micropterus dolomieu</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1