

FIBI073-R4

Rockaway River SB

Windy Acres Road

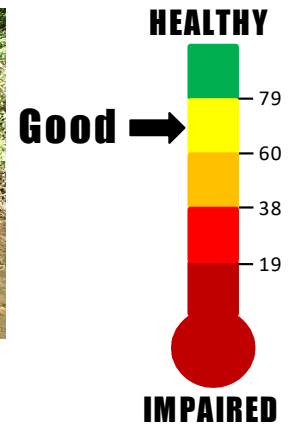
Municipality: Clinton Twp

County: Hunterdon

Drainage Area (sq miles): 6

Sample Date: 8 /22/2019

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	71.14
Metric 2-%Cold Non-tolerant Coolwater	87.03
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	80.10
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	68.55
Metric 7-%Dominant 3 Taxa	54.50
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	28.2
Water Temperature (°C)	19.96
Dissolved Oxygen (mg/L)	9.0
% Saturation	98.5
pH	7.56
Conductivity (µS/cm)	410.6
Total Kjeldahl (mg/L)	0.19
Total Phosphorus (mg/L)	0.05
Nitrate/Nitrite (mg/L)	1.52

Northern Fish IBI Score (0-100): 69.55

IBI Rating: Good

High Gradient Habitat Score (0-200): 162

Habitat Rating: Optimal

Summary: Although the fish IBI rating is "Good" and the habitat scored "Optimal", overall fish richness and diversity were relatively low.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	164
Longnose Dace	<i>Rhinichthys cataractae</i>	140
Tessellated Darter	<i>Etheostoma olmstedi</i>	86
White Sucker	<i>Catostomus commersonii</i>	48
Creek Chub	<i>Semotilus atromaculatus</i>	27
Brown Trout	<i>Salmo trutta</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1