

FIBI009a-R4

Whippany River

Granbly Park

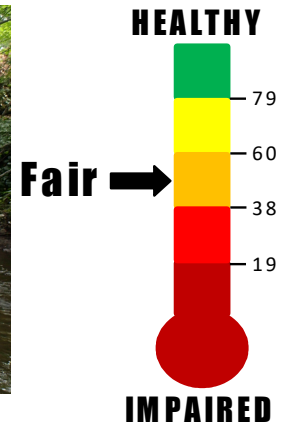
Municipality: Morristown

County: Morris

Drainage Area (sq miles): 28

Sample Date: 8 /21/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	32.22
Metric 2-%Cold Non-tolerant Coolwater	65.88
Metric 3-%Generalist Richness	39.63
Metric 4-Tolerance Index	88.82
Metric 5-%Lithophilic Richness	24.15
Metric 6-%Cyprinidae	46.27
Metric 7-%Dominant 3 Taxa	52.62
Metric 8-%Benthic Insectivore Richness	22.08

Field Chemistry

Air Temp (°C)	21.7
Water Temperature (°C)	20.11
Dissolved Oxygen (mg/L)	8.2
% Saturation	89.8
pH	7.31
Conductivity (µS/cm)	555.3
Total Kjeldahl (mg/L)	0.38
Total Phosphorus (mg/L)	0.06
Nitrate/Nitrite (mg/L)	1.28

Northern Fish IBI Score (0-100): 46.46

IBI Rating: Fair

High Gradient Habitat Score (0-200): 125

Habitat Rating: Suboptimal

Summary: FIBI009a is located approximately half a mile upstream of FIBI009 on the Whippany River in Morristown, NJ. The 2018 score at the upstream station (FIBI009a) was significantly higher than sampling from prior years at the downstream location (FIBI009).

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	82
Blacknose Dace	<i>Rhinichthys atratulus</i>	45
Spottail Shiner	<i>Notropis hudsonius</i>	30
Redbreast Sunfish	<i>Lepomis auritus</i>	29
Common Carp	<i>Cyprinus carpio</i>	13
Yellow Bullhead	<i>Ameiurus natalis</i>	11
Green Sunfish	<i>Lepomis cyanellus</i>	11
Largemouth Bass	<i>Micropterus salmoides</i>	6
Creek Chub	<i>Semotilus atromaculatus</i>	5
Redfin Pickerel	<i>Esox americanus americanus</i>	4
White Sucker	<i>Catostomus commersonii</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1