

# FIBI074-R3

## Whippany River

Whitehead Road

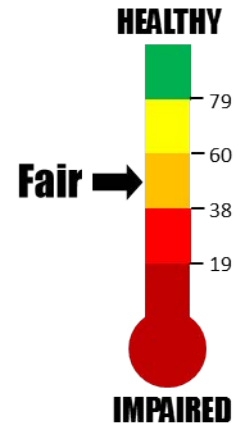
Municipality: Morris Twp

County: Morris

Drainage Area (sq miles): 8.4

Sample Date: 07/08/2013

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	49.53
Metric 2-%Cold Non-tolerant Coolwater	72.82
Metric 3-%Generalist Richness	62.36
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	51.14
Metric 6-%Cyprinidae	12.69
Metric 7-%Dominant 3 Taxa	40.16
Metric 8-%Benthic Insectivore Richness	31.16

### Field Chemistry

Air Temp (°C)	26.9
Water Temperature (°C)	21.38
Dissolved Oxygen (mg/L)	7.61
% Saturation	84.1
pH	5.84
Conductivity (µS/cm)	270

*Northern Fish IBI Score (0-100): 52.48*

*IBI Rating: Fair*

*High Gradient Habitat Score (0-200): 152*

*Habitat Rating: Suboptimal*

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## **Whippany River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
American Brook Lamprey	<i>Lethenteron appendix</i>	43
Tessellated Darter	<i>Etheostoma olmstedii</i>	36
Spottail Shiner	<i>Notropis hudsonius</i>	14
Blacknose Dace	<i>Rhinichthys atratulus</i>	8
Creek Chub	<i>Semotilus atromaculatus</i>	7
White Sucker	<i>Catostomus commersoni</i>	6
Redfin Pickerel	<i>Esox americanus americanus</i>	5
Pumpkinseed	<i>Lepomis gibbosus</i>	5
Brown Trout	<i>Salmo trutta</i>	4
Common Shiner	<i>Luxilus cornutus</i>	3
Eastern Mudminnow	<i>Umbra pygmaea</i>	2
Bluegill	<i>Lepomis macrochirus</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Rainbow Trout	<i>Oncorhynchus mykiss</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Creek Chubsucker	<i>Erimyzon oblongus</i>	1