

# FIBI069-R4

## Troy Brook

Beaverwyck Road

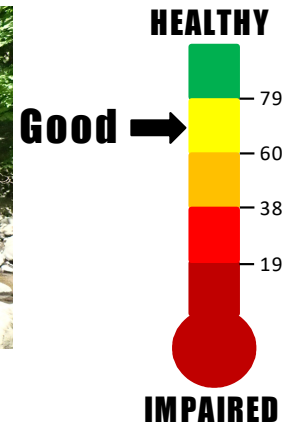
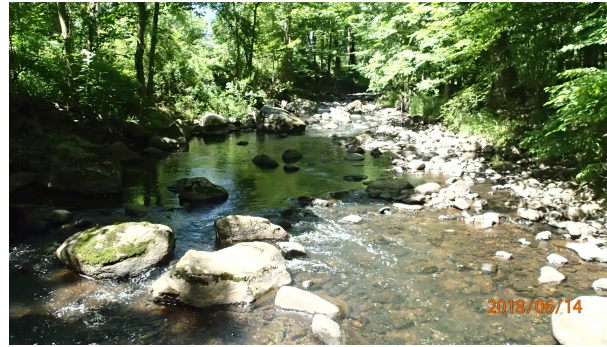
Municipality: Parsippany-Troy Hills Twp

County: Morris

Drainage Area (sq miles): 10

Sample Date: 6 /14/2018

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	60.39
Metric 2-%Cold Non-tolerant Coolwater	83.49
Metric 3-%Generalist Richness	36.28
Metric 4-Tolerance Index	74.26
Metric 5-%Lithophilic Richness	43.47
Metric 6-%Cyprinidae	73.67
Metric 7-%Dominant 3 Taxa	61.00
Metric 8-%Benthic Insectivore Richness	52.98

### Field Chemistry

Air Temp (°C)	21.8
Water Temperature (°C)	18.48
Dissolved Oxygen (mg/L)	8.9
% Saturation	95.1
pH	7.84
Conductivity (µS/cm)	943.1
Total Kjeldahl (mg/L)	0.28
Total Phosphorus (mg/L)	0.05
Nitrate/Nitrite (mg/L)	0.24

***Northern Fish IBI Score (0-100): 60.69***

***IBI Rating: Good***

***High Gradient Habitat Score (0-200): 140***

***Habitat Rating: Suboptimal***

***Summary:*** The 2018 IBI score represents the highest score for FIBI069 in the four rounds of monitoring when scores are compared using the new IBI metrics.

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## **Troy Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	200
Creek Chub	<i>Semotilus atromaculatus</i>	136
Tessellated Darter	<i>Etheostoma olmstedii</i>	70
White Sucker	<i>Catostomus commersonii</i>	64
Chain Pickerel	<i>Esox niger</i>	12
Green Sunfish	<i>Lepomis cyanellus</i>	9
Redfin Pickerel	<i>Esox americanus americanus</i>	5
Eastern Mudminnow	<i>Umbra pygmaea</i>	4
Bluegill	<i>Lepomis macrochirus</i>	2
Longnose Dace	<i>Rhinichthys cataractae</i>	1