

FIBI069-R3

Troy Brook

Beaverwyck Road

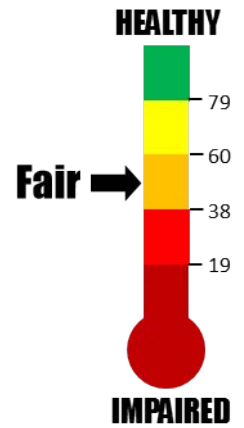
Municipality: Parsippany-Troy Hills Twp

County: Morris

Drainage Area (sq miles): 9.8

Sample Date: 07/09/2013

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	17.48
Metric 2-%Cold Non-tolerant Coolwater	56.73
Metric 3-%Generalist Richness	39.63
Metric 4-Tolerance Index	53.97
Metric 5-%Lithophilic Richness	24.15
Metric 6-%Cyprinidae	54.64
Metric 7-%Dominant 3 Taxa	61.93
Metric 8-%Benthic Insectivore Richness	22.08

Field Chemistry

Air Temp (°C)	28.6
Water Temperature (°C)	22.17
Dissolved Oxygen (mg/L)	8.59
% Saturation	98.9
pH	7.87
Conductivity (µS/cm)	721.5

Northern Fish IBI Score (0-100): 41.33

IBI Rating: Fair

High Gradient Habitat Score (0-200): 133

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	51
Blacknose Dace	<i>Rhinichthys atratulus</i>	50
Creek Chub	<i>Semotilus atromaculatus</i>	39
Common Carp	<i>Cyprinus carpio</i>	39
White Sucker	<i>Catostomus commersoni</i>	32
Green Sunfish	<i>Lepomis cyanellus</i>	11
Bluegill	<i>Lepomis macrochirus</i>	10
Largemouth Bass	<i>Micropterus salmoides</i>	6
Black Crappie	<i>Pomoxis nigromaculatus</i>	2
Redbreast Sunfish	<i>Lepomis auitus</i>	1
Western Mosquitofish	<i>Gambusia affinis</i>	1
Yellow Perch	<i>Perca flavescens</i>	1