

# FIBI122-R4

## Hohokus Brook

Saddle River County Park

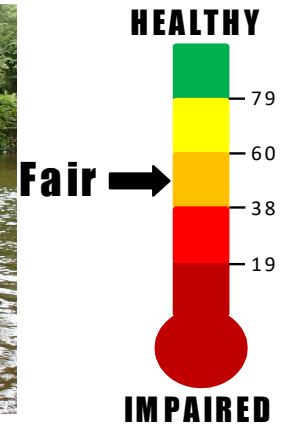
Municipality: Glenn Rock

County: Bergen

Drainage Area (sq miles): 20

Sample Date: 8 /20/2018

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	42.99
Metric 2-%Cold Non-tolerant Coolwater	37.01
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	43.18
Metric 5-%Lithophilic Richness	36.22
Metric 6-%Cyprinidae	5.42
Metric 7-%Dominant 3 Taxa	50.72
Metric 8-%Benthic Insectivore Richness	49.67

### Field Chemistry

Air Temp (°C)	22.1
Water Temperature (°C)	21.05
Dissolved Oxygen (mg/L)	7.8
% Saturation	86.4
pH	7.19
Conductivity (µS/cm)	929.3
Total Kjeldahl (mg/L)	1.14
Total Phosphorus (mg/L)	0.73
Nitrate/Nitrite (mg/L)	4.40

*Northern Fish IBI Score (0-100): 40.20*

*IBI Rating: Fair*

*High Gradient Habitat Score (0-200): 115*

*Habitat Rating: Suboptimal*

**Summary:** Sampling occurred along Saddle River County Park which contained a sewage treatment outfall within the sample reach. The elevated nutrient levels are likely a result of the discharger. Despite the nutrient levels, several minnow species were collected including longnose dace and cutlips minnows.

# **FIBI122-R4**

## **Hohokus Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	191
Bluegill	<i>Lepomis macrochirus</i>	111
American Eel	<i>Anguilla rostrata</i>	111
Pumpkinseed	<i>Lepomis gibbosus</i>	93
Green Sunfish	<i>Lepomis cyanellus</i>	77
White Sucker	<i>Catostomus commersonii</i>	29
Creek Chub	<i>Semotilus atromaculatus</i>	18
Longnose Dace	<i>Rhinichthys cataractae</i>	13
Redfin Pickerel	<i>Esox americanus americanus</i>	13
Blacknose Dace	<i>Rhinichthys atratulus</i>	10
Redbreast Sunfish	<i>Lepomis auritus</i>	10
Spottail Shiner	<i>Notropis hudsonius</i>	3
Cutlips Minnow	<i>Exoglossum maxillingua</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Common Carp	<i>Cyprinus carpio</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	1