

FIBI116-R4

Beaver Brook

Old Highway 22

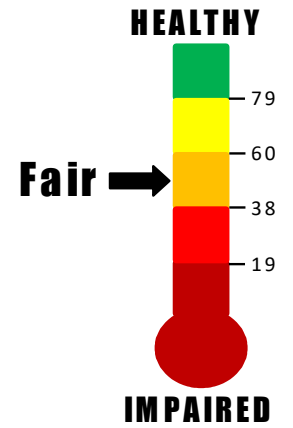
Municipality: CLINTON TWP

County: Hunterdon

Drainage Area (sq miles): 7

Sample Date: 9 /6 /2019

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	48.63
Metric 2-%Cold Non-tolerant Coolwater	56.09
Metric 3-%Generalist Richness	47.27
Metric 4-Tolerance Index	53.52
Metric 5-%Lithophilic Richness	52.69
Metric 6-%Cyprinidae	17.81
Metric 7-%Dominant 3 Taxa	42.53
Metric 8-%Benthic Insectivore Richness	48.16

Field Chemistry

Air Temp (°C)	16.6
Water Temperature (°C)	16.72
Dissolved Oxygen (mg/L)	9.2
% Saturation	94.3
pH	6.83
Conductivity (µS/cm)	577.3
Total Kjeldahl (mg/L)	0.16
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	2.13

Northern Fish IBI Score (0-100): 45.84

IBI Rating: Fair

High Gradient Habitat Score (0-200): 126

Habitat Rating: Suboptimal

FIBI116-R4

Beaver Brook

Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	61
White Sucker	<i>Catostomus commersonii</i>	52
American Eel	<i>Anguilla rostrata</i>	25
Longnose Dace	<i>Rhinichthys cataractae</i>	25
Blacknose Dace	<i>Rhinichthys atratulus</i>	23
Creek Chub	<i>Semotilus atromaculatus</i>	13
Brown Trout	<i>Salmo trutta</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	1
Fathead Minnow	<i>Pimephales promelas</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1