

FIBI117-R4

Prescott Brook

Payne Road

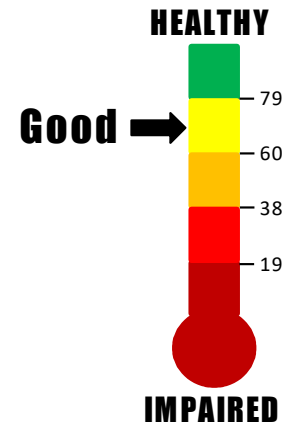
Municipality: CLINTON TWP

County: Hunterdon

Drainage Area (sq miles): 8

Sample Date: 10/2 /2019

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	75.12
Metric 2-%Cold Non-tolerant Coolwater	70.54
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	61.14
Metric 5-%Lithophilic Richness	54.33
Metric 6-%Cyprinidae	55.41
Metric 7-%Dominant 3 Taxa	53.44
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	18.4
Water Temperature (°C)	16.49
Dissolved Oxygen (mg/L)	8.3
% Saturation	84.5
pH	7.21
Conductivity (µS/cm)	353.4
Total Kjeldahl (mg/L)	0.06
Total Phosphorus (mg/L)	0.02
Nitrate/Nitrite (mg/L)	1.26

Northern Fish IBI Score (0-100): 61.58

IBI Rating: Good

High Gradient Habitat Score (0-200): 126

Habitat Rating: Suboptimal

Summary: This small stream was heavily choked with vines and vegetation including several invasive plants (autumn olive, mile-a-minute, and multiflora rose). Despite adequate shade, the substrate was covered in moderate periphyton growth throughout the stretch.

FIBI117-R4

Prescott Brook

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	201
White Sucker	<i>Catostomus commersonii</i>	155
Creek Chub	<i>Semotilus atromaculatus</i>	118
Tessellated Darter	<i>Etheostoma olmstedii</i>	103
Longnose Dace	<i>Rhinichthys cataractae</i>	44
American Eel	<i>Anguilla rostrata</i>	17
Green Sunfish	<i>Lepomis cyanellus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2