

NJS11-121a-R4

Tenakill Brook

High St

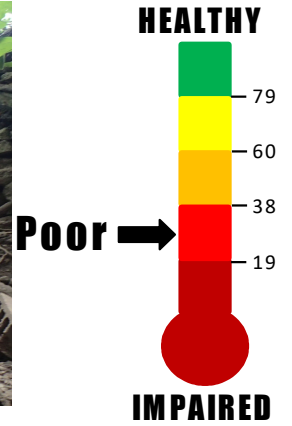
Municipality: Closter Boro

County: Bergen

Drainage Area (sq miles): 9

Sample Date: 8 /30/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	0.00
Metric 2-%Cold Non-tolerant Coolwater	44.38
Metric 3-%Generalist Richness	65.59
Metric 4-Tolerance Index	51.16
Metric 5-%Lithophilic Richness	26.34
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	32.71
Metric 8-%Benthic Insectivore Richness	24.08

Field Chemistry

Air Temp (°C)	29.5
Water Temperature (°C)	22.54
Dissolved Oxygen (mg/L)	6.0
% Saturation	69.9
pH	7.45
Conductivity (µS/cm)	730.7
Total Kjeldahl (mg/L)	0.30
Total Phosphorus (mg/L)	0.05
Nitrate/Nitrite (mg/L)	1.66

Northern Fish IBI Score (0-100): 30.53

IBI Rating: Poor

High Gradient Habitat Score (0-200): 105

Habitat Rating: Marginal

Summary: The cause of the impairment is unknown.

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	103
Green Sunfish	<i>Lepomis cyanellus</i>	68
White Sucker	<i>Catostomus commersonii</i>	31
Yellow Perch	<i>Perca flavescens</i>	29
Yellow Bullhead	<i>Ameiurus natalis</i>	22
Largemouth Bass	<i>Micropterus salmoides</i>	10
Redfin Pickerel	<i>Esox americanus americanus</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	6
Creek Chub	<i>Semotilus atromaculatus</i>	4
Smallmouth Bass	<i>Micropterus dolomieu</i>	1
Common Carp	<i>Cyprinus carpio</i>	1