

FIBI098-R4

Preakness Brook

Preakness Avenue

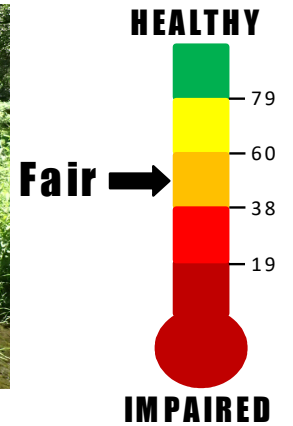
Municipality: Wayne Twp

County: Passaic

Drainage Area (sq miles): 6

Sample Date: 6 /12/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	80.48
Metric 2-%Cold Non-tolerant Coolwater	76.05
Metric 3-%Generalist Richness	28.95
Metric 4-Tolerance Index	68.80
Metric 5-%Lithophilic Richness	52.69
Metric 6-%Cyprinidae	66.29
Metric 7-%Dominant 3 Taxa	33.60
Metric 8-%Benthic Insectivore Richness	48.16

Field Chemistry

Air Temp (°C)	20.2
Water Temperature (°C)	15.89
Dissolved Oxygen (mg/L)	9.9
% Saturation	98.6
pH	7.78
Conductivity (µS/cm)	887
Total Kjeldahl (mg/L)	0.23
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	1.26

Northern Fish IBI Score (0-100): 56.88

IBI Rating: Fair

High Gradient Habitat Score (0-200): 122

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	283
White Sucker	<i>Catostomus commersonii</i>	137
Blacknose Dace	<i>Rhinichthys atratulus</i>	137
Tessellated Darter	<i>Etheostoma olmstedii</i>	86
Creek Chub	<i>Semotilus atromaculatus</i>	41
Fallfish	<i>Semotilus corporalis</i>	18
Bluegill	<i>Lepomis macrochirus</i>	5
Mummichog	<i>Fundulus heteroclitus</i>	2
Green Sunfish	<i>Lepomis cyanellus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1