

FIBI060-R4

Musquapsink Creek

Harrington Avenue

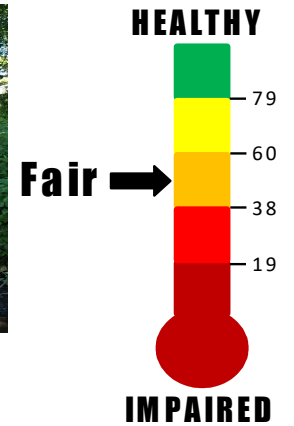
Municipality: Westwood Boro

County: Bergen

Drainage Area (sq miles): 7

Sample Date: 7 /9 /2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	19.07
Metric 2-%Cold Non-tolerant Coolwater	69.76
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	86.06
Metric 5-%Lithophilic Richness	28.98
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	0.00
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	25.7
Water Temperature (°C)	19.93
Dissolved Oxygen (mg/L)	7.5
% Saturation	81.3
pH	7.32
Conductivity (µS/cm)	894.9
Total Kjeldahl (mg/L)	0.33
Total Phosphorus (mg/L)	0.25
Nitrate/Nitrite (mg/L)	2.92

Northern Fish IBI Score (0-100): 39.16

IBI Rating: Fair

High Gradient Habitat Score (0-200): 103

Habitat Rating: Marginal

Summary: The 2018 round 4 IBI score at FIBI060 classifies the site as non-impaired for aquatic life use and represents the highest score in the four rounds of sampling at this site. FIBI060 received impaired scores/ratings in rounds 2 and 3.

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	231
Largemouth Bass	<i>Micropterus salmoides</i>	47
Redbreast Sunfish	<i>Lepomis auritus</i>	30
White Sucker	<i>Catostomus commersonii</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	2
Yellow Perch	<i>Perca flavescens</i>	1
Longnose Dace	<i>Rhinichthys cataractae</i>	1
American Eel	<i>Anguilla rostrata</i>	1
Creek Chub	<i>Semotilus atromaculatus</i>	1