

FIBI103a-R4

Third River

Harrison St

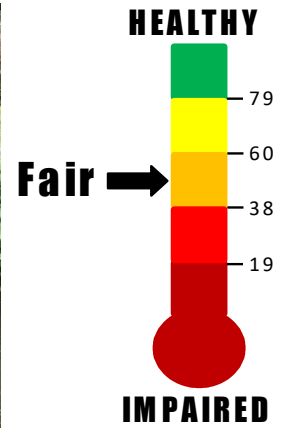
Municipality: Nutley

County: Essex

Drainage Area (sq miles): 10

Sample Date: 6 /11/2018

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	48.63
Metric 2-%Cold Non-tolerant Coolwater	67.98
Metric 3-%Generalist Richness	22.84
Metric 4-Tolerance Index	58.64
Metric 5-%Lithophilic Richness	24.15
Metric 6-%Cyprinidae	12.92
Metric 7-%Dominant 3 Taxa	30.09
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	20.1
Water Temperature (°C)	16.79
Dissolved Oxygen (mg/L)	8.6
% Saturation	87.3
pH	7.55
Conductivity (µS/cm)	932.2
Total Kjeldahl (mg/L)	0.31
Total Phosphorus (mg/L)	0.11
Nitrate/Nitrite (mg/L)	2.34

Northern Fish IBI Score (0-100): 38.67

IBI Rating: Fair

High Gradient Habitat Score (0-200): 110

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedi</i>	348
Blacknose Dace	<i>Rhinichthys atratulus</i>	156
Mummichog	<i>Fundulus heteroclitus</i>	131
American Eel	<i>Anguilla rostrata</i>	70
Redbreast Sunfish	<i>Lepomis auritus</i>	23
White Sucker	<i>Catostomus commersonii</i>	21