

NJS2016-038-R4r

Second River

Montgomery Pl

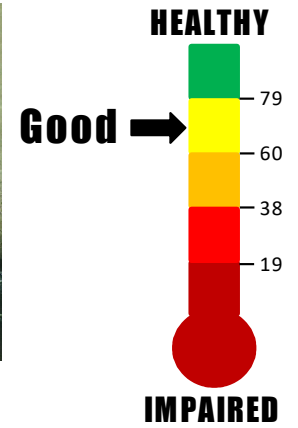
Municipality: Belleville Twp

County: Essex

Drainage Area (sq miles): 10

Sample Date: 7 /11/2018

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	78.78
Metric 2-%Cold Non-tolerant Coolwater	94.36
Metric 3-%Generalist Richness	6.05
Metric 4-Tolerance Index	79.14
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	100.00
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	0.00

Field Chemistry

Air Temp (°C)	26.5
Water Temperature (°C)	21.88
Dissolved Oxygen (mg/L)	8.1
% Saturation	92.2
pH	7.44
Conductivity (µS/cm)	1133
Total Kjeldahl (mg/L)	0.25
Total Phosphorus (mg/L)	0.14
Nitrate/Nitrite (mg/L)	2.31

Northern Fish IBI Score (0-100): 66.35

IBI Rating: Good

High Gradient Habitat Score (0-200): 96

Habitat Rating: Marginal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	424
American Eel	<i>Anguilla rostrata</i>	43
Creek Chub	<i>Semotilus atromaculatus</i>	9
Mummichog	<i>Fundulus heteroclitus</i>	4