

# NJS2016-038-R4

## Second River

Montgomery Pl

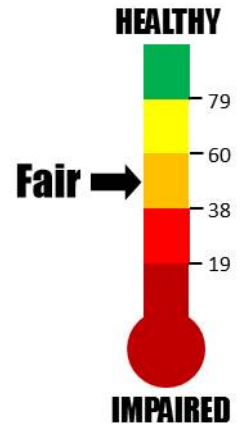
Municipality: Belleville Twp

County: Essex

Drainage Area (sq miles): 9.8

Sample Date: 07/25/2016

Site Type: Probabilistic



### IBI Metrics

Metric 1-%Rheophilic Richness	60.39
Metric 2-%Cold Non-tolerant Coolwater	80.00
Metric 3-%Generalist Richness	0.00
Metric 4-Tolerance Index	66.46
Metric 5-%Lithophilic Richness	57.95
Metric 6-%Cyprinidae	88.19
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	0.00

### Field Chemistry

Air Temp (°C)	31.4
Water Temperature (°C)	23.7
Dissolved Oxygen (mg/L)	9.19
% Saturation	108.3
pH	7.84
Conductivity (µS/cm)	966.3

***Northern Fish IBI Score (0-100): 56.62***

***IBI Rating: Fair***

***High Gradient Habitat Score (0-200): 92***

***Habitat Rating: Marginal***

***Summary:*** Despite the "marginal" habitat rating, high conductivity, and severe channel alteration, the fish community at this Second River site was rated "fair".

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## **Second River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Blacknose Dace	<i>Rhinichthys atratulus</i>	218
American Eel	<i>Anguilla rostrata</i>	40
Pumpkinseed	<i>Lepomis gibbosus</i>	21
Creek Chub	<i>Semotilus atromaculatus</i>	8
Mummichog	<i>Fundulus heteroclitus</i>	3