

NJS11-132-R3

Third River

Division Street

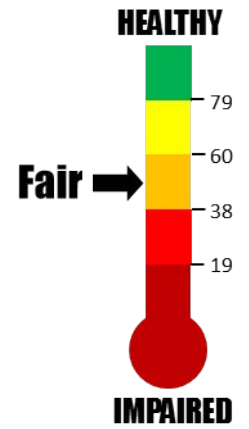
Municipality: Bloomfield Twp

County: Essex

Drainage Area (sq miles): 7.7

Sample Date: 06/12/2013

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	16.81
Metric 2-%Cold Non-tolerant Coolwater	71.49
Metric 3-%Generalist Richness	10.63
Metric 4-Tolerance Index	62.77
Metric 5-%Lithophilic Richness	13.17
Metric 6-%Cyprinidae	53.08
Metric 7-%Dominant 3 Taxa	85.15
Metric 8-%Benthic Insectivore Richness	24.08

Field Chemistry

Air Temp (°C)	
Water Temperature (°C)	18.93
Dissolved Oxygen (mg/L)	9.08
% Saturation	98.9
pH	7.46
Conductivity (µS/cm)	590.2

Northern Fish IBI Score (0-100): 42.15

IBI Rating: Fair

High Gradient Habitat Score (0-200): 112

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	531
Tessellated Darter	<i>Etheostoma olmstedii</i>	188
White Sucker	<i>Catostomus commersoni</i>	129
Mummichog	<i>Fundulus heteroclitus</i>	60
Green Sunfish	<i>Lepomis cyanellus</i>	26
Pumpkinseed	<i>Lepomis gibbosus</i>	23
American Eel	<i>Anguilla rostrata</i>	9
Redbreast Sunfish	<i>Lepomis auritus</i>	7
Golden Shiner	<i>Notemigonus crysoleucas</i>	5
Banded Killifish	<i>Fundulus diaphanus</i>	4
Western Mosquitofish	<i>Gambusia affinis</i>	1