

# FIBI043-R3

## Third River

West Passaic Avenue

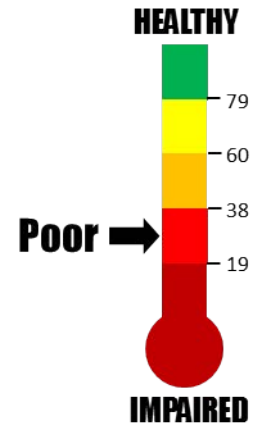
Municipality: Bloomfield Twp

County: Essex

Drainage Area (sq miles): 4.6

Sample Date: 06/17/2013

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	12.83
Metric 2-%Cold Non-tolerant Coolwater	25.53
Metric 3-%Generalist Richness	0.00
Metric 4-Tolerance Index	29.23
Metric 5-%Lithophilic Richness	14.49
Metric 6-%Cyprinidae	4.93
Metric 7-%Dominant 3 Taxa	49.05
Metric 8-%Benthic Insectivore Richness	26.49

### Field Chemistry

Air Temp (°C)	31.8
Water Temperature (°C)	17.19
Dissolved Oxygen (mg/L)	9.07
% Saturation	95.1
pH	7.48
Conductivity (µS/cm)	768.8

***Northern Fish IBI Score (0-100): 20.32***

***IBI Rating: Poor***

***High Gradient Habitat Score (0-200): 106***

***Habitat Rating: Marginal***

Summary: The 2013 score was the lowest IBI score this site has received and is indicative of the numerous habitat and water quality impairments. Almost all the of species collected are generalists feeders and most are tolerant. The NJ Parkway closely borders the left descending bank and therefore the stream has little riparian buffer.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Green Sunfish	<i>Lepomis cyanellus</i>	198
Blacknose Dace	<i>Rhinichthys atratulus</i>	179
Pumpkinseed	<i>Lepomis gibbosus</i>	156
Tessellated Darter	<i>Etheostoma olmstedii</i>	130
White Sucker	<i>Catostomus commersoni</i>	70
Golden Shiner	<i>Notemigonus crysoleucas</i>	16
American Eel	<i>Anguilla rostrata</i>	13
Mummichog	<i>Fundulus heteroclitus</i>	12
Banded Killifish	<i>Fundulus diaphanus</i>	10
Brown Bullhead	<i>Ameiurus nebulosus</i>	6