

# FIBI020-R4

## Rahway River

Rahway River Parkway

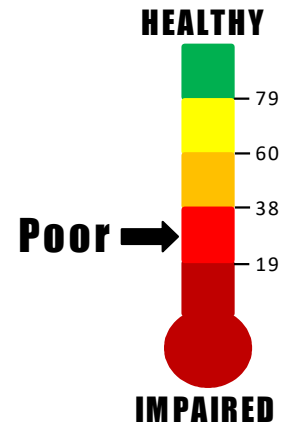
Municipality: Cranford Twp

County: Union

Drainage Area (sq miles): 31

Sample Date: 9 /12/2019

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	24.54
Metric 2-%Cold Non-tolerant Coolwater	56.21
Metric 3-%Generalist Richness	26.79
Metric 4-Tolerance Index	43.88
Metric 5-%Lithophilic Richness	8.52
Metric 6-%Cyprinidae	8.85
Metric 7-%Dominant 3 Taxa	39.72
Metric 8-%Benthic Insectivore Richness	15.58

### Field Chemistry

Air Temp (°C)	28.1
Water Temperature (°C)	21.50
Dissolved Oxygen (mg/L)	6.5
% Saturation	73.2
pH	7.5
Conductivity (µS/cm)	850.2
Total Kjeldahl (mg/L)	0.23
Total Phosphorus (mg/L)	0.08
Nitrate/Nitrite (mg/L)	1.49

*Northern Fish IBI Score (0-100): 28.01*

*IBI Rating: Poor*

*High Gradient Habitat Score (0-200): 116*

*Habitat Rating: Suboptimal*

**Summary:** Results are consistent with the previous three rounds of monitoring.

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## **Rahway River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	172
American Eel	<i>Anguilla rostrata</i>	50
White Sucker	<i>Catostomus commersonii</i>	38
Green Sunfish	<i>Lepomis cyanellus</i>	36
Pumpkinseed	<i>Lepomis gibbosus</i>	23
Banded Killifish	<i>Fundulus diaphanus</i>	18
Bluegill	<i>Lepomis macrochirus</i>	16
Largemouth Bass	<i>Micropterus salmoides</i>	9
Golden Shiner	<i>Notemigonus crysoleucas</i>	7
Blacknose Dace	<i>Rhinichthys atratulus</i>	6
Yellow Bullhead	<i>Ameiurus natalis</i>	3
Mummichog	<i>Fundulus heteroclitus</i>	3
Spottail Shiner	<i>Notropis hudsonius</i>	2
Western Mosquitofish	<i>Gambusia affinis</i>	1
Goldfish	<i>Carassius auratus</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Black Crappie	<i>Pomoxis nigromaculatus</i>	1