

# FIBI017a-R3r

## Rahway River SB

Merill Park

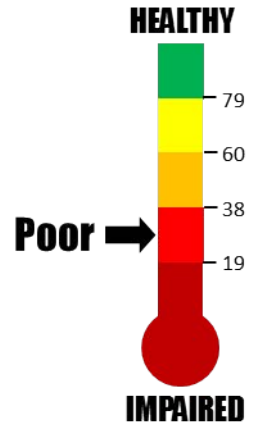
Municipality: Woodbridge Twp

County: Middlesex

Drainage Area (sq miles): 7.2

Sample Date: 08/19/2014

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	7.01
Metric 2-%Cold Non-tolerant Coolwater	14.48
Metric 3-%Generalist Richness	9.40
Metric 4-Tolerance Index	58.54
Metric 5-%Lithophilic Richness	9.66
Metric 6-%Cyprinidae	38.37
Metric 7-%Dominant 3 Taxa	31.95
Metric 8-%Benthic Insectivore Richness	17.66

### Field Chemistry

Air Temp (°C)	26.2
Water Temperature (°C)	19.66
Dissolved Oxygen (mg/L)	7.82
% Saturation	85.7
pH	7.73
Conductivity (µS/cm)	843.7

***Northern Fish IBI Score (0-100): 23.38***

***IBI Rating: Poor***

***High Gradient Habitat Score (0-200): 103***

***Habitat Rating: Marginal***

**Summary:** Conductivity has steadily increases since 2005. Although the stream is considered impaired, the scores indicate a slight improving trend over time. Species collected in 2014 like blacknose dace and redbreast sunfish were either collected in low abundance or were absent from previous sampling events.

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Common Name	Scientific Name	Abundance
Spottail Shiner	<i>Notropis hudsonius</i>	425
Tessellated Darter	<i>Etheostoma olmstedii</i>	218
American Eel	<i>Anguilla rostrata</i>	138
White Sucker	<i>Catostomus commersoni</i>	83
Blacknose Dace	<i>Rhinichthys atratulus</i>	53
Pumpkinseed	<i>Lepomis gibbosus</i>	47
Banded Killifish	<i>Fundulus diaphanus</i>	41
Bluegill	<i>Lepomis macrochirus</i>	36
Redbreast Sunfish	<i>Lepomis auritus</i>	22
Green Sunfish	<i>Lepomis cyanellus</i>	9
Mummichog	<i>Fundulus heteroclitus</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	3
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Golden Shiner	<i>Notemigonus crysoleucas</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1