

NJPB-108-R3

Rahway River SB

Chain O Hills Road

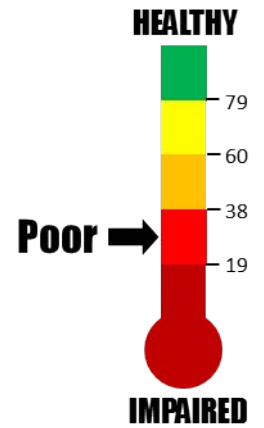
Municipality: Woodbridge Twp

County: Middlesex

Drainage Area (sq miles): 7.2

Sample Date: 07/17/2013

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	13.15
Metric 2-%Cold Non-tolerant Coolwater	38.78
Metric 3-%Generalist Richness	6.05
Metric 4-Tolerance Index	35.80
Metric 5-%Lithophilic Richness	12.07
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	27.81
Metric 8-%Benthic Insectivore Richness	22.08

Field Chemistry

Air Temp (°C)	41.4
Water Temperature (°C)	27.08
Dissolved Oxygen (mg/L)	Not Working
% Saturation	Not Working
pH	7.43
Conductivity (µS/cm)	835.7

Northern Fish IBI Score (0-100): 19.47

IBI Rating: Poor

High Gradient Habitat Score (0-200): 94

Habitat Rating: Marginal

Summary: The sampling stretch for this probabilistic site (NJPB-108) overlapped with the fixed station (FIBI017a) reach. Numerous habitat and water chemistry impairments were noted at this site including high conductance, lack of riffle habitat, bank erosion, large amounts of broken glass and concrete in the stream, and a lack of adequate riparian buffer.

NJPB-108-R3

Rahway River SB

Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	193
American Eel	<i>Anguilla rostrata</i>	109
White Sucker	<i>Catostomus commersoni</i>	62
Pumpkinseed	<i>Lepomis gibbosus</i>	39
Banded Killifish	<i>Fundulus diaphanus</i>	33
Blacknose Dace	<i>Rhinichthys atratulus</i>	30
Mummichog	<i>Fundulus heteroclitus</i>	6
Redbreast Sunfish	<i>Lepomis auritus</i>	4
Golden Shiner	<i>Notemigonus crysoleucas</i>	3
Spottail Shiner	<i>Notropis hudsonius</i>	3
Green Sunfish	<i>Lepomis cyanellus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	2