

FIBI088-R3

Raritan River SB

Arch Street

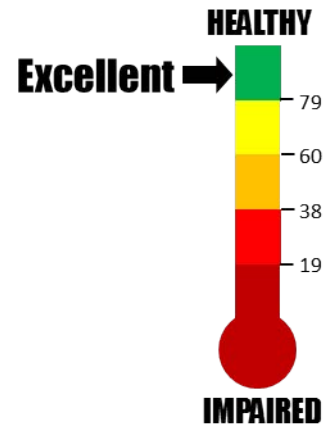
Municipality: High Bridge Boro

County: Hunterdon

Drainage Area (sq miles): 68

Sample Date: 07/30/2014

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	81.14
Metric 2-%Cold Non-tolerant Coolwater	82.16
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	54.35
Metric 5-%Lithophilic Richness	92.20
Metric 6-%Cyprinidae	91.99
Metric 7-%Dominant 3 Taxa	31.12
Metric 8-%Benthic Insectivore Richness	96.33

Field Chemistry

Air Temp (°C)	19.8
Water Temperature (°C)	17.79
Dissolved Oxygen (mg/L)	9.6
% Saturation	101.5
pH	8.08
Conductivity (µS/cm)	327.8

Northern Fish IBI Score (0-100): 78.66

IBI Rating: Excellent

High Gradient Habitat Score (0-200): 150

Habitat Rating: Suboptimal

Summary: The 2014 sampling event at FIBI088 was the highest score for this site and the first time the site scored "excellent". Several wild brown trout, including 3 young-of-the-year were collected from this FW2-TM stream which is a candidate for upgrade to trout production.

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Raritan River SB (above Spruce R

Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	152
American Eel	<i>Anguilla rostrata</i>	138
Blacknose Dace	<i>Rhinichthys atratulus</i>	85
White Sucker	<i>Catostomus commersoni</i>	26
Tessellated Darter	<i>Etheostoma olmstedii</i>	13
Cutlips Minnow	<i>Exoglossum maxillingua</i>	9
Brown Trout	<i>Salmo trutta</i>	7
Smallmouth Bass	<i>Micropterus dolomieu</i>	2
Shield Darter	<i>Percina peltata</i>	1
Common Shiner	<i>Luxilus cornutus</i>	1
Redbreast Sunfish	<i>Lepomis auritus</i>	1