

FIBI095a-R4

Passaic River

Scherman-Hoffman Wildlife Sanct

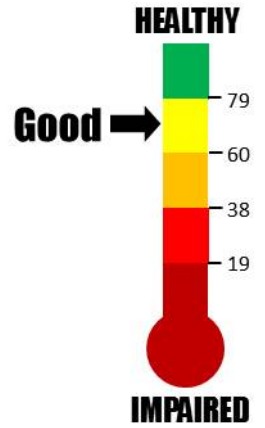
Municipality: Harding Twp

County: Morris

Drainage Area (sq miles): 4.8

Sample Date: 06/07/2016

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	68.66
Metric 2-%Cold Non-tolerant Coolwater	82.66
Metric 3-%Generalist Richness	73.22
Metric 4-Tolerance Index	100.00
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	58.04
Metric 7-%Dominant 3 Taxa	80.24
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	24.9
Water Temperature (°C)	18.79
Dissolved Oxygen (mg/L)	8.56
% Saturation	93.4
pH	7.39
Conductivity (µS/cm)	270.5

Northern Fish IBI Score (0-100): 72.43

IBI Rating: Good

High Gradient Habitat Score (0-200): 171

Habitat Rating: Optimal

Summary: The sentinel station on the Passaic River was relocated several hundred meters upstream from the previous monitoring location (FIBI095). The 2016 IBI score at FIBI095a was similar to prior scores at the downstream location (FIBI095).

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	173
Creek Chub	<i>Semotilus atromaculatus</i>	103
Rainbow Trout	<i>Oncorhynchus mykiss</i>	71
Longnose Dace	<i>Rhinichthys cataractae</i>	35
Bluegill	<i>Lepomis macrochirus</i>	30
White Sucker	<i>Catostomus commersonii</i>	30
Tessellated Darter	<i>Etheostoma olmstedi</i>	27
Brown Trout	<i>Salmo trutta</i>	20
Common Shiner	<i>Luxilus cornutus</i>	12
Largemouth Bass	<i>Micropterus salmoides</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Redfin Pickerel	<i>Esox americanus americanus</i>	1