

NJS2016-017-R3

Millstone River

Grovers Mill Rd.

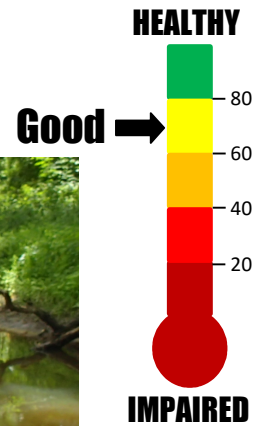
Municipality: Plainsboro

County: Middlesex

Drainage Area (sq miles): 43

Sample Date: 07/15/2016

Site Type: Probabilistic



IBI Metrics

Metric 1 - Native Sp.	85.86
Metric 2 - Benthic Sp	100.00
Metric 3 - Intolerant Sp.	20.44
Metric 4 - %Tolerant Sp.	83.70
Metric 5-%Insectivore Sp.	80.14
Metric 6 -%Piscivorous Sp.	33.69
Metric 7 - Abundance-tolerance	100.00
Metric 8-% DELTs	85.99

Field Chemistry

Air Temp (°C)	29.3
Water Temperature (°C)	24.57
Dissolved Oxygen (mg/L)	6.56
% Saturation	78.6
pH	6.59
Conductivity (µS/cm)	332.1

Southern Fish IBI Score (0-100): 73.73

IBI Rating: Good

Low Gradient Habitat Score (0-200): 148

Habitat Rating: Suboptimal

Summary: The fish community of the Millstone River at NJS2016-017 is indicative of a healthy river. This site received the highest IBI score for larger rivers over 20 square miles. The sample stretch contained clean sand substrate, ample large woody debris, numerous aquatic macrophyte beds, and a good riparian buffer.

NJS2016-017-R3

Millstone River

Common Name	Scientific Name	Abundance
Redbreast Sunfish	<i>Lepomis auritus</i>	120
Tessellated Darter	<i>Etheostoma olmstedii</i>	85
Fallfish	<i>Semotilus corporalis</i>	79
American Eel	<i>Anguilla rostrata</i>	46
Largemouth Bass	<i>Micropterus salmoides</i>	15
Creek Chubsucker	<i>Erimyzon oblongus</i>	13
Chain Pickerel	<i>Esox niger</i>	13
Yellow Perch	<i>Perca flavescens</i>	13
White Sucker	<i>Catostomus commersonii</i>	9
Green Sunfish	<i>Lepomis cyanellus</i>	6
Yellow Bullhead	<i>Ameiurus natalis</i>	4
White Perch	<i>Morone americana</i>	4
Spottail Shiner	<i>Notropis hudsonius</i>	3
Tadpole Madtom	<i>Noturus gyrinus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	3
Pirate Perch	<i>Aphredoderus sayanus</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1