

NJS11-267-R3

Chestnut Branch

Main Street

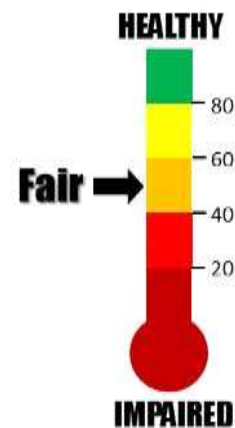
Municipality: Mantua Twp County:

Gloucester

Drainage Area (sq miles): 6.5

Sample Date: 06/16/2015

Site Type: Probabilistic



IBI Metrics

Metric 1 - Native Sp.	81.16
Metric 2 - Benthic Sp	34.77
Metric 3 - Intolerant Sp.	2.34
Metric 4 - %Tolerant Sp.	52.32
Metric 5-%Insectivore Sp.	40.03
Metric 6 -%Piscivorous Sp.	3.79
Metric 7 - Abundance-tolerance	46.15
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	28.4
Water Temperature (°C)	24.33
Dissolved Oxygen (mg/L)	6.72
% Saturation	80.7
pH	7.1
Conductivity (µS/cm)	307.7

Southern Fish IBI Score (0-100): 45.07

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 149

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	89
Tessellated Darter	<i>Etheostoma olmstedii</i>	64
Redbreast Sunfish	<i>Lepomis auritus</i>	28
Fallfish	<i>Semotilus corporalis</i>	18
White Sucker	<i>Catostomus commersoni</i>	14
Bluegill	<i>Lepomis macrochirus</i>	8
Pumpkinseed	<i>Lepomis gibbosus</i>	7
White Catfish	<i>Ameiurus catus</i>	5
Satinfin Shiner	<i>Cyprinella analostana</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	3
Brown Bullhead	<i>Ameiurus nebulosus</i>	3
Spottail Shiner	<i>Notropis hudsonius</i>	2
Eastern Mudminnow	<i>Umbra pygmaea</i>	2
Swallowtail Shiner	<i>Notropis procne</i>	1