

FIBI208-R3

Menantico Creek

Rt. 49

Municipality: Millville

County: Cumberland

Drainage Area (sq miles): 27

Sample Date: 08/31/2015

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	49.82
Metric 2 - Benthic Sp	88.62
Metric 3 - Intolerant Sp.	28.70
Metric 4 - %Tolerant Sp.	24.42
Metric 5-%Insectivore Sp.	30.60
Metric 6 -%Piscivorous Sp.	4.44
Metric 7 - Abundance-tolerance	27.76
Metric 8-% DELTs	89.61

Field Chemistry

Air Temp (°C)	36.9
Water Temperature (°C)	19.02
Dissolved Oxygen (mg/L)	7.86
% Saturation	84.9
pH	6.36
Conductivity (µS/cm)	144.3

Southern Fish IBI Score (0-100): 43.00

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 143

Habitat Rating: Suboptimal

Summary: The IBI score and rating declined from 65 "good" in 2011 to the current score of 43 "fair". The number of intolerant species declined, as bluespotted sunfish and tadpole madtom were not collected in 2015. The 2015 habitat assessment noted fewer aquatic macrophyte beds than in previous surveys.

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	200
Redbreast Sunfish	<i>Lepomis auritus</i>	30
Tessellated Darter	<i>Etheostoma olmstedii</i>	22
Pirate Perch	<i>Aphredoderus sayanus</i>	13
Eastern Mudminnow	<i>Umbra pygmaea</i>	6
Pumpkinseed	<i>Lepomis gibbosus</i>	4
Chain Pickerel	<i>Esox niger</i>	4
Sea Lamprey	<i>Petromyzon marinus</i>	3
Creek Chubsucker	<i>Erimyzon oblongus</i>	1