

FIBI211-R3

Lahaway Creek

Holmes Mill Road

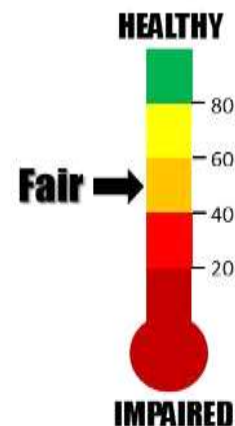
Municipality: Upper Freehold Twp

County: Monmouth

Drainage Area (sq miles): 21

Sample Date: 07/08/2015

Site Type: Fixed



IBI Metrics

Metric 1 - Native Sp.	78.19
Metric 2 - Benthic Sp	57.21
Metric 3 - Intolerant Sp.	32.26
Metric 4 - %Tolerant Sp.	60.23
Metric 5-%Insectivore Sp.	40.96
Metric 6 -%Piscivorous Sp.	1.77
Metric 7 - Abundance-tolerance	74.58
Metric 8-% DELTs	100.00

Field Chemistry

Air Temp (°C)	24.31
Water Temperature (°C)	
Dissolved Oxygen (mg/L)	7.09
% Saturation	84.6
pH	6.98
Conductivity (µS/cm)	167.9

Southern Fish IBI Score (0-100): 55.65

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 149

Habitat Rating: Suboptimal

Summary: Despite ample large woody debris and root wads which provide excellent cover for predatory fish species, few were collected in 2011 or 2015, resulting in a low score for the %-piscivore metric. The stream is typically turbid and has a higher percentage of fines sediments which likely remain in suspension. These turbid conditions likely impact the feeding ability of top predatory fish.

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	109
Fallfish	<i>Semotilus corporalis</i>	64
Tessellated Darter	<i>Etheostoma olmstedi</i>	59
Spottail Shiner	<i>Notropis hudsonius</i>	32
Common Shiner	<i>Luxilus cornutus</i>	30
White Sucker	<i>Catostomus commersoni</i>	22
Brown Bullhead	<i>Ameiurus nebulosus</i>	9
Satinfin Shiner	<i>Cyprinella analostana</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	7
Redbreast Sunfish	<i>Lepomis auritus</i>	4
Blacknose Dace	<i>Rhinichthys atratulus</i>	4
Eastern Mudminnow	<i>Umbra pygmaea</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	2
Bluegill	<i>Lepomis macrochirus</i>	1