

# FIBI225-R3

## Lahaway Creek

Meir Road

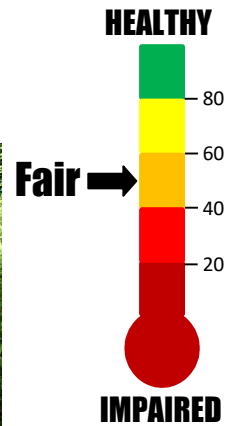
Municipality: Upper Freehold Twp

County: Monmouth

Drainage Area (sq miles): 13

Sample Date: 08/17/2016

Site Type: Sentinel



### IBI Metrics

Metric 1 - Native Sp.	82.28
Metric 2 - Benthic Sp	61.84
Metric 3 - Intolerant Sp.	40.78
Metric 4 - %Tolerant Sp.	66.87
Metric 5-%Insectivore Sp.	58.61
Metric 6 -%Piscivorous Sp.	11.96
Metric 7 - Abundance-tolerance	42.47
Metric 8-% DELTs	100.00

### Field Chemistry

Air Temp (°C)	27.1
Water Temperature (°C)	25.96
Dissolved Oxygen (mg/L)	7.01
% Saturation	85.4
pH	6.51
Conductivity (µS/cm)	138.5

***Southern Fish IBI Score (0-100): 58.10***

***IBI Rating: Fair***

***Low Gradient Habitat Score (0-200): 153***

***Habitat Rating: Suboptimal***

**Summary:** The scores and ratings for this sentinel site on Lahaway Creek (FIBI225) have dropped recently from "good" in the first three years of sampling to "fair" the last two sampling events. Sea lamprey have not been collected since 2012, which impacts both the benthic and intolerant species metrics. In addition, fallfish were the most abundant fish species in early samples, but have declined recently.

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	50
Fallfish	<i>Semotilus corporalis</i>	50
Tessellated Darter	<i>Etheostoma olmstedii</i>	34
Common Shiner	<i>Luxilus cornutus</i>	10
Redbreast Sunfish	<i>Lepomis auritus</i>	9
American Brook Lamprey	<i>Lethenteron appendix</i>	7
White Sucker	<i>Catostomus commersonii</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	5
Satinfin Shiner	<i>Cyprinella analostana</i>	5
Chain Pickerel	<i>Esox niger</i>	2
Bluegill	<i>Lepomis macrochirus</i>	2
Brown Bullhead	<i>Ameiurus nebulosus</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Eastern Mudminnow	<i>Umbra pygmaea</i>	1
White Catfish	<i>Ameiurus catus</i>	1