## FIBI225-R2r2 Lahaway Creek

**Meir Road** 

Municipality: Upper Freehold Twp

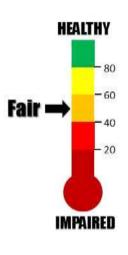
**County: Monmouth** 

**Drainage Area (sq miles):** 13

Sample Date: 07/23/2014

**Site Type: Sentinel** 





## **IBI Metrics**

Metric 1 - Native Sp.	75.62
Metric 2 - Benthic Sp	61.84
Metric 3 - Intolerant Sp.	40.78
Metric 4 - %Tolerant Sp.	54.16
Metric 5-%Insectivore Sp.	46.69
Metric 6 -%Piscivorous Sp.	23.44
Metric 7 - Abundance-tolerance	30.77
Metric 8-% DELTs	100.00

## **Field Chemistry**

Air Temp (°C)	27.7
Water Temperature (°C)	23.3
Dissolved Oxygen (mg/L)	7.4
% Saturation	86.9
рН	6.49
Conductivity (µS/cm)	131.8

*Southern Fish IBI Score* (0-100): 54.16

IBI Rating: Fair

Low Gradient Habitat Score (0-200): 149

Habitat Rating: Suboptimal

**Summary:** FIBI225 is one of two sentinel sites in the Inner Coastal Plain which has been sampled 4 times since 2008. These sites are monitored on a routine basis every other year to assess environmental change, as well as natural variability. 2014 was the first time the site did not receive a score in the 70's and a subsequent "good" rating. In the first three sampling events both American brook lamprey and sea lamprey were collected, but in this 2014 event only one American brook lamprey was collected. In addition, the relative abundance of tolerant species increased while the number of insectivore species decline when compared to previous events.

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<b>Common Name</b>	Scientific Name	Abundance	
American Eel	Anguilla rostrata	59	
Fallfish	Semotilus corporalis	26	
Tessellated Darter	Etheostoma olmstedi	18	
Brown Bullhead	Ameiurus nebulosus	11	
Largemouth Bass	Micropterus salmoides	10	
Redbreast Sunfish	Lepomis auritus	10	
Satinfin Shiner	Cyprinella analostana	8	
Bluegill	Lepomis macrochirus	7	
Common Shiner	Luxilus cornutus	4	
White Sucker	Catostomus commersoni	3	
Eastern Mudminnow	Umbra pygmaea	1	
Creek Chub	Semotilus atromaculatus	1	
Chain Pickerel	Esox niger	1	
American Brook Lamprey	Lethenteron appendix	1	
Black Crappie	Pomoxis nigromaculatus	1	