

# FIBI236-R3

## NB Cooper River

Park Blvd

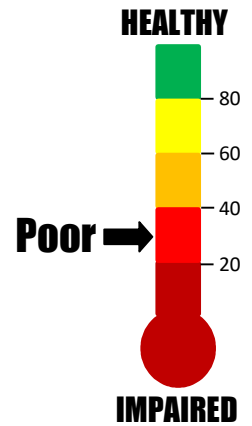
Municipality: Cherry Hill

County: Camden

Drainage Area (sq miles): 11

Sample Date: 06/01/2016

Site Type: Fixed



### IBI Metrics

Metric 1 - Native Sp.	56.88
Metric 2 - Benthic Sp	29.93
Metric 3 - Intolerant Sp.	0.00
Metric 4 - %Tolerant Sp.	59.28
Metric 5-%Insectivore Sp.	7.54
Metric 6 -%Piscivorous Sp.	31.45
Metric 7 - Abundance-tolerance	53.85
Metric 8-% DELTs	66.06

### Field Chemistry

Air Temp (°C)	25.9
Water Temperature (°C)	19.78
Dissolved Oxygen (mg/L)	6.83
% Saturation	78.3
pH	6.82
Conductivity (µS/cm)	338.1

***Southern Fish IBI Score (0-100): 38.12***

***IBI Rating: Poor***

***Low Gradient Habitat Score (0-200): 117***

***Habitat Rating: Suboptimal***

**Summary:** Impairments to the fish community at FIBI236 on the NB Cooper River are unclear. The habitat was rated "sub-optimal" and lacked adequate riparian buffer and had numerous sediment bars throughout the stretch, but there were no other obvious signs of impairment. Scores for this site declined from "fair" in 2009 during development/validation sampling. Species like swallowtail shiner, an insect feeding minnow, were relatively abundant in 2009, but we not collected in 2016.

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<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
American Eel	<i>Anguilla rostrata</i>	91
Blueback Herring	<i>Alosa aestivalis</i>	76
Tessellated Darter	<i>Etheostoma olmstedii</i>	26
White Perch	<i>Morone americana</i>	25
Spottail Shiner	<i>Notropis hudsonius</i>	20
Pumpkinseed	<i>Lepomis gibbosus</i>	8
Eastern Mudminnow	<i>Umbra pygmaea</i>	4
Bluegill	<i>Lepomis macrochirus</i>	3
White Sucker	<i>Catostomus commersonii</i>	3
Green Sunfish	<i>Lepomis cyanellus</i>	2
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1