

# FIBI204-R3

## Swedes Run

Garwood Rd.

Municipality: Moorestown

County: Burlington

Drainage Area (sq miles): 2.8

Sample Date: 06/08/2015

Site Type: Fixed



### IBI Metrics

Metric 1 - Native Sp.	74.55
Metric 2 - Benthic Sp	42.38
Metric 3 - Intolerant Sp.	66.37
Metric 4 - %Tolerant Sp.	38.21
Metric 5-%Insectivore Sp.	45.52
Metric 6 -%Piscivorous Sp.	4.61
Metric 7 - Abundance-tolerance	48.16
Metric 8-% DELTs	100.00

### Field Chemistry

Air Temp (°C)	20
Water Temperature (°C)	17.93
Dissolved Oxygen (mg/L)	7.88
% Saturation	82.9
pH	7.01
Conductivity (µS/cm)	407.7

***Southern Fish IBI Score (0-100): 52.48***

***IBI Rating: Fair***

***Low Gradient Habitat Score (0-200): 154***

***Habitat Rating: Suboptimal***

**Summary:** The abundance of green sunfish could be an indication the fish community is declining, despite the "fair" rating. Green sunfish outnumbered all three native sunfish (redbreast, pumpkinseed, and bluespotted) combined and will likely continue to take over the fish community. Specific conductance has increased since 2008 and is likely a result of the high impervious cover (17%) in the surrounding watershed or road salting which could be impacting the resident fish community.

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## **Swedes Run**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Green Sunfish	<i>Lepomis cyanellus</i>	94
American Eel	<i>Anguilla rostrata</i>	74
Redbreast Sunfish	<i>Lepomis auritus</i>	59
Tessellated Darter	<i>Etheostoma olmstedii</i>	43
Swallowtail Shiner	<i>Notropis procne</i>	22
Banded Killifish	<i>Fundulus diaphanus</i>	20
Pumpkinseed	<i>Lepomis gibbosus</i>	11
Bluegill	<i>Lepomis macrochirus</i>	8
Largemouth Bass	<i>Micropterus salmoides</i>	4
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	3
White Sucker	<i>Catostomus commersoni</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Redfin Pickerel	<i>Esox americanus americanus</i>	1