

# FIBI214-R3

## Assunpink Creek

Route 539

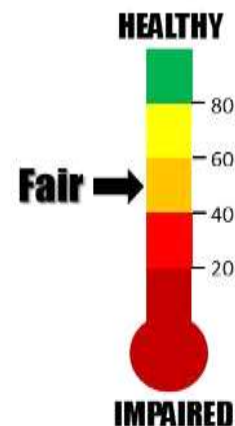
Municipality: Washington Twp

County: Monmouth

Drainage Area (sq miles): 11

Sample Date: 08/03/2015

Site Type: Fixed



### IBI Metrics

Metric 1 - Native Sp.	49.91
Metric 2 - Benthic Sp	62.92
Metric 3 - Intolerant Sp.	0.00
Metric 4 - %Tolerant Sp.	95.93
Metric 5-%Insectivore Sp.	17.76
Metric 6 -%Piscivorous Sp.	25.64
Metric 7 - Abundance-tolerance	59.20
Metric 8-% DELTs	68.03

### Field Chemistry

Air Temp (°C)	29.8
Water Temperature (°C)	21.74
Dissolved Oxygen (mg/L)	6.2
% Saturation	70.7
pH	6.47
Conductivity (µS/cm)	146

***Southern Fish IBI Score (0-100): 47.42***

***IBI Rating: Fair***

***Low Gradient Habitat Score (0-200): 145***

***Habitat Rating: Suboptimal***

**Summary:** Several intolerant species including bluespotted sunfish and tadpole madtom were collected from this station in 2007, but were not found in 2015 and therefore impacted the Intolerant Species metric and overall score.

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## **Assunpink Creek**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Tessellated Darter	<i>Etheostoma olmstedii</i>	64
Brown Bullhead	<i>Ameiurus nebulosus</i>	30
Yellow Bullhead	<i>Ameiurus natalis</i>	30
Eastern Mudminnow	<i>Umbra pygmaea</i>	18
Golden Shiner	<i>Notemigonus crysoleucas</i>	17
Redfin Pickerel	<i>Esox americanus americanus</i>	8
Largemouth Bass	<i>Micropterus salmoides</i>	7
Bluegill	<i>Lepomis macrochirus</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	2
Creek Chubsucker	<i>Erimyzon oblongus</i>	1