

# FIBI045-R3

## Beaver Dam Brook

Park Avenue

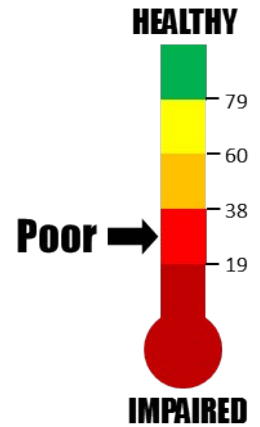
Municipality: Lincoln Park Boro

County: Morris

Drainage Area (sq miles): 13

Sample Date: 06/26/2013

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	0.00
Metric 2-%Cold Non-tolerant Coolwater	22.72
Metric 3-%Generalist Richness	39.63
Metric 4-Tolerance Index	66.57
Metric 5-%Lithophilic Richness	24.15
Metric 6-%Cyprinidae	0.00
Metric 7-%Dominant 3 Taxa	26.32
Metric 8-%Benthic Insectivore Richness	22.08

### Field Chemistry

Air Temp (°C)	29.5
Water Temperature (°C)	20.61
Dissolved Oxygen (mg/L)	6.99
% Saturation	78.4
pH	6.98
Conductivity (µS/cm)	426.5

***Northern Fish IBI Score (0-100): 25.18***

***IBI Rating: Poor***

***High Gradient Habitat Score (0-200): 99***

***Habitat Rating: Marginal***

**Summary:** The "poor" rating for Beaver Dam Brook is partly a result of channelization and hydromodification. The right descending bank is mostly gabion and numerous sediment bars have formed throughout the stretch. Shopping carts and other debris/garbage are littered throughout the stream.

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## **Beaver Dam Brook**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
Redfin Pickerel	<i>Esox americanus americanus</i>	94
Tessellated Darter	<i>Etheostoma olmstedii</i>	57
Green Sunfish	<i>Lepomis cyanellus</i>	42
Bluegill	<i>Lepomis macrochirus</i>	28
White Sucker	<i>Catostomus commersoni</i>	10
Creek Chub	<i>Semotilus atromaculatus</i>	8
Yellow Bullhead	<i>Ameiurus natalis</i>	4
Eastern Mudminnow	<i>Umbra pygmaea</i>	4
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	3
Western Mosquitofish	<i>Gambusia affinis</i>	1
Rock Bass	<i>Ambloplites rupestris</i>	1