

# FIBI252-R3

## Monogahela Brook

Marion Avenue

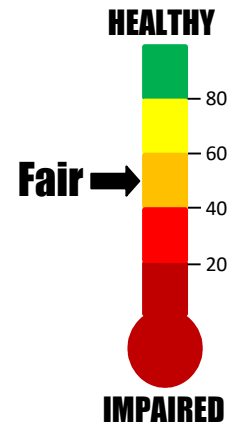
Municipality: Deptford

County: Camden

Drainage Area (sq miles): 3.7

Sample Date: 06/02/2016

Site Type: Fixed



### IBI Metrics

Metric 1 - Native Sp.	79.03
Metric 2 - Benthic Sp	73.23
Metric 3 - Intolerant Sp.	61.80
Metric 4 - %Tolerant Sp.	58.86
Metric 5-%Insectivore Sp.	40.85
Metric 6 -%Piscivorous Sp.	25.70
Metric 7 - Abundance-tolerance	42.81
Metric 8-% DELTs	100.00

### Field Chemistry

Air Temp (°C)	20.6
Water Temperature (°C)	20.89
Dissolved Oxygen (mg/L)	6.58
% Saturation	61.7
pH	6.57
Conductivity (µS/cm)	193.5

***Southern Fish IBI Score (0-100): 60.29***

***IBI Rating: Fair***

***Low Gradient Habitat Score (0-200): 139***

***Habitat Rating: Suboptimal***

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	49
American Eel	<i>Anguilla rostrata</i>	48
Bluegill	<i>Lepomis macrochirus</i>	23
Fallfish	<i>Semotilus corporalis</i>	21
Redfin Pickerel	<i>Esox americanus americanus</i>	14
Bluespotted Sunfish	<i>Enneacanthus gloriosus</i>	11
Eastern Mudminnow	<i>Umbra pygmaea</i>	9
White Sucker	<i>Catostomus commersonii</i>	9
Pumpkinseed	<i>Lepomis gibbosus</i>	9
Common Shiner	<i>Luxilus cornutus</i>	8
Largemouth Bass	<i>Micropterus salmoides</i>	3
Pirate perch	<i>Aphredoderus sayanus</i>	2
Creek Chubsucker	<i>Erimyzon oblongus</i>	1
Channel Catfish	<i>Ictalurus punctatus</i>	1