

FIBI013-R3r

Heathcote Brook

Mapleton Road

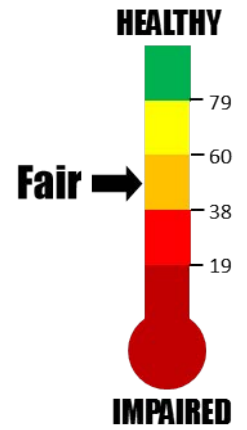
Municipality: South Brunswick Twp

County: Middlesex

Drainage Area (sq miles): 9.6

Sample Date: 06/06/2014

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	51.34
Metric 2-%Cold Non-tolerant Coolwater	24.39
Metric 3-%Generalist Richness	74.21
Metric 4-Tolerance Index	50.07
Metric 5-%Lithophilic Richness	34.09
Metric 6-%Cyprinidae	2.03
Metric 7-%Dominant 3 Taxa	61.06
Metric 8-%Benthic Insectivore Richness	46.75

Field Chemistry

Air Temp (°C)	18.5
Water Temperature (°C)	16.69
Dissolved Oxygen (mg/L)	7.33
% Saturation	75.6
pH	6.56
Conductivity (µS/cm)	451.2

Northern Fish IBI Score (0-100): 42.99

IBI Rating: Fair

High Gradient Habitat Score (0-200): 146

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	73
Tessellated Darter	<i>Etheostoma olmstedii</i>	44
Chain Pickerel	<i>Esox niger</i>	23
Eastern Mudminnow	<i>Umbra pygmaea</i>	19
Longnose Dace	<i>Rhinichthys cataractae</i>	18
Green Sunfish	<i>Lepomis cyanellus</i>	13
Bluegill	<i>Lepomis macrochirus</i>	12
Pirate Perch	<i>Aphredoderus sayanus</i>	11
Fallfish	<i>Semotilus corporalis</i>	11
Redbreast Sunfish	<i>Lepomis auritus</i>	10
Pumpkinseed	<i>Lepomis gibbosus</i>	7
White Sucker	<i>Catostomus commersoni</i>	6
Redfin Pickerel	<i>Esox americanus americanus</i>	4
Creek Chubsucker	<i>Erimyzon oblongus</i>	3
Blacknose Dace	<i>Rhinichthys atratulus</i>	3
Common Shiner	<i>Luxilus cornutus</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	1