

FIBI213-R3

Ivanhoe Brook

Millers Mill Road

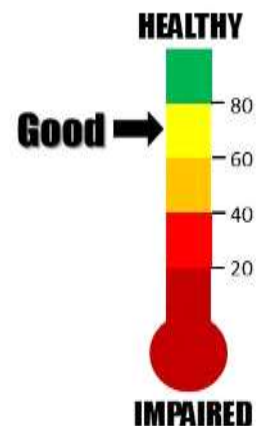
Municipality: Upper Freehold Twp

County: Monmouth

Drainage Area (sq miles): 3.6

Sample Date: 07/02/2015

Site Type: Sentinel



IBI Metrics

Metric 1 - Native Sp.	85.92
Metric 2 - Benthic Sp	100.00
Metric 3 - Intolerant Sp.	62.26
Metric 4 - %Tolerant Sp.	80.32
Metric 5-%Insectivore Sp.	66.16
Metric 6 -%Piscivorous Sp.	48.23
Metric 7 - Abundance-tolerance	44.48
Metric 8-% DELTs	81.96

Field Chemistry

Air Temp (°C)	22
Water Temperature (°C)	18.73
Dissolved Oxygen (mg/L)	8.44
% Saturation	90.2
pH	6.03
Conductivity (µS/cm)	188.9

Southern Fish IBI Score (0-100): 71.17

IBI Rating: Good

Low Gradient Habitat Score (0-200): 147

Habitat Rating: Suboptimal

Summary: Despite a high IBI score and a "good" rating, two young-of-the-year northern snakehead were collected from this sentinel site. These invasive species pose a threat to the native fish community of Ivanhoe Brook and nearby tributaries.

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Common Name	Scientific Name	Abundance
Fallfish	<i>Semotilus corporalis</i>	34
Pumpkinseed	<i>Lepomis gibbosus</i>	24
Brown Bullhead	<i>Ameiurus nebulosus</i>	20
Tessellated Darter	<i>Etheostoma olmstedii</i>	17
White Sucker	<i>Catostomus commersoni</i>	16
Chain Pickerel	<i>Esox niger</i>	14
American Eel	<i>Anguilla rostrata</i>	11
Largemouth Bass	<i>Micropterus salmoides</i>	9
Eastern Mudminnow	<i>Umbra pygmaea</i>	6
Bluegill	<i>Lepomis macrochirus</i>	3
Creek Chubsucker	<i>Erimyzon oblongus</i>	3
Creek Chub	<i>Semotilus atromaculatus</i>	2
Northern Snakehead	<i>Channa argus</i>	2
American Brook Lamprey	<i>Lethenteron appendix</i>	1
Golden Shiner	<i>Notemigonus crysoleucas</i>	1