

FIBI098-R3

Preakness Brook

Preakness Avenue

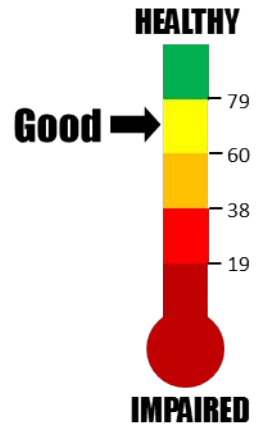
Municipality: Wayne Twp

County: Passaic

Drainage Area (sq miles): 6.1

Sample Date: 06/19/2013

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	58.98
Metric 2-%Cold Non-tolerant Coolwater	82.50
Metric 3-%Generalist Richness	42.03
Metric 4-Tolerance Index	77.25
Metric 5-%Lithophilic Richness	41.40
Metric 6-%Cyprinidae	82.96
Metric 7-%Dominant 3 Taxa	56.09
Metric 8-%Benthic Insectivore Richness	37.84

Field Chemistry

Air Temp (°C)	21.9
Water Temperature (°C)	18.63
Dissolved Oxygen (mg/L)	8.98
% Saturation	96.3
pH	7.51
Conductivity (µS/cm)	470.8

Northern Fish IBI Score (0-100): 59.88

IBI Rating: Good

High Gradient Habitat Score (0-200): 124

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	141
Blacknose Dace	<i>Rhinichthys atratulus</i>	134
Creek Chub	<i>Semotilus atromaculatus</i>	83
White Sucker	<i>Catostomus commersoni</i>	35
Tessellated Darter	<i>Etheostoma olmstedii</i>	23
Pumpkinseed	<i>Lepomis gibbosus</i>	15
Bluegill	<i>Lepomis macrochirus</i>	10
Fallfish	<i>Semotilus corporalis</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	4
Banded Killifish	<i>Fundulus diaphanus</i>	1
Black Crappie	<i>Pomoxis nigromaculatus</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Western Mosquitofish	<i>Gambusia affinis</i>	1