

FIBI026-R4

Nishisakawick Creek

Creek Road @ Frenchtown Park

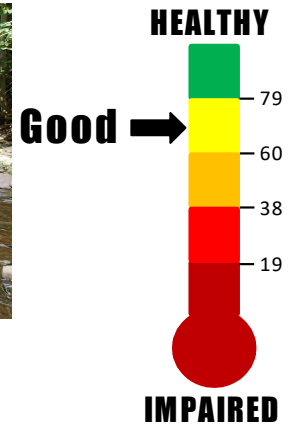
Municipality: Frenchtown Boro

County: Hunterdon

Drainage Area (sq miles): 11

Sample Date: 7/12/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	34.55
Metric 2-%Cold Non-tolerant Coolwater	79.10
Metric 3-%Generalist Richness	69.02
Metric 4-Tolerance Index	70.70
Metric 5-%Lithophilic Richness	63.39
Metric 6-%Cyprinidae	81.00
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	26.2
Water Temperature (°C)	22.06
Dissolved Oxygen (mg/L)	8.8
% Saturation	99.7
pH	7.81
Conductivity (µS/cm)	257.9
Total Kjeldahl (mg/L)	0.20
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	1.55

Northern Fish IBI Score (0-100): 70.50

IBI Rating: Good

High Gradient Habitat Score (0-200): 133

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	686
American Eel	<i>Anguilla rostrata</i>	160
White Sucker	<i>Catostomus commersoni</i>	76
Common Shiner	<i>Luxilus cornutus</i>	53
Longnose Dace	<i>Rhinichthys cataractae</i>	43
Tessellated Darter	<i>Etheostoma olmstedi</i>	37
Margined Madtom	<i>Noturus insignis</i>	18
Cutlips Minnow	<i>Exoglossum maxillingua</i>	15
Redbreast Sunfish	<i>Lepomis auritus</i>	14
Rock Bass	<i>Ambloplites rupestris</i>	13
Smallmouth Bass	<i>Micropterus dolomieu</i>	9
Creek Chub	<i>Semotilus atromaculatus</i>	7
Spottail Shiner	<i>Notropis hudsonius</i>	6
Green Sunfish	<i>Lepomis cyanellus</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1