

NJS11-124-R3

Nishisakawick Creek

Trenton Avenue

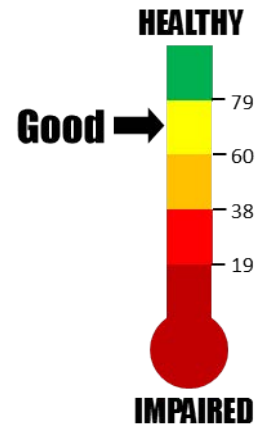
Municipality: Frenchtown Boro

County: Hunterdon

Drainage Area (sq miles): 11

Sample Date: 08/03/2012

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	41.21
Metric 2-%Cold Non-tolerant Coolwater	60.83
Metric 3-%Generalist Richness	90.02
Metric 4-Tolerance Index	57.50
Metric 5-%Lithophilic Richness	68.99
Metric 6-%Cyprinidae	40.17
Metric 7-%Dominant 3 Taxa	71.70
Metric 8-%Benthic Insectivore Richness	63.07

Field Chemistry

Air Temp (°C)	28.6
Water Temperature (°C)	22.67
Dissolved Oxygen (mg/L)	8.23
% Saturation	95.6
pH	6.46
Conductivity (µS/cm)	220

Northern Fish IBI Score (0-100): 61.69

IBI Rating: Good

High Gradient Habitat Score (0-200): 110

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	289
White Sucker	<i>Catostomus commersoni</i>	278
Tessellated Darter	<i>Etheostoma olmstedii</i>	138
American Eel	<i>Anguilla rostrata</i>	66
Smallmouth Bass	<i>Micropterus dolomieu</i>	54
Creek Chub	<i>Semotilus atromaculatus</i>	42
Longnose Dace	<i>Rhinichthys cataractae</i>	26
Cutlips Minnow	<i>Exoglossum maxillingua</i>	26
Green Sunfish	<i>Lepomis cyanellus</i>	22
Fallfish	<i>Semotilus corporalis</i>	22
Rock Bass	<i>Ambloplites rupestris</i>	21
Margined Madtom	<i>Noturus insignis</i>	20
Redbreast Sunfish	<i>Lepomis auritus</i>	8
Common Shiner	<i>Luxilus cornutus</i>	6
Northern Hogsucker	<i>Hypentelium nigricans</i>	4
Brown Trout	<i>Salmo trutta</i>	1
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Redfin Pickerel	<i>Esox americanus americanus</i>	1
Satinfin Shiner	<i>Cyprinella analostana</i>	1
Spottail Shiner	<i>Notropis hudsonius</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1