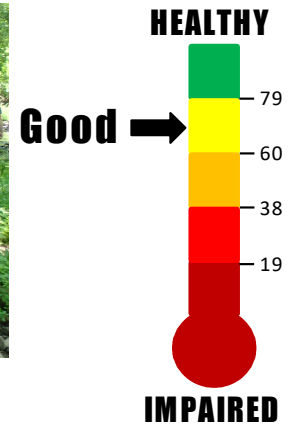


FIBI034-R4 **Harihokake Creek**

Milford Frenchtown Road
Municipality: Alexandria Twp
County: Hunterdon
Drainage Area (sq miles): 10
Sample Date: 6/12/2017
Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	32.75
Metric 2-%Cold Non-tolerant Coolwater	67.14
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	73.69
Metric 5-%Lithophilic Richness	63.39
Metric 6-%Cyprinidae	62.04
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	29.9
Water Temperature (°C)	19.76
Dissolved Oxygen (mg/L)	8.5
% Saturation	92.6
pH	7.29
Conductivity (µS/cm)	220.8
Total Kjeldahl (mg/L)	0.22
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	0.74

Northern Fish IBI Score (0-100): 65.21

IBI Rating: Good

High Gradient Habitat Score (0-200): 134

Habitat Rating: Suboptimal

FIBI034-R4

Harihokake Creek

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	269
American Eel	<i>Anguilla rostrata</i>	80
Common Shiner	<i>Luxilus cornutus</i>	51
White Sucker	<i>Catostomus commersoni</i>	46
Tessellated Darter	<i>Etheostoma olmstedii</i>	39
Redbreast Sunfish	<i>Lepomis auritus</i>	31
Cutlips Minnow	<i>Exoglossum maxillingua</i>	30
Rock Bass	<i>Ambloplites rupestris</i>	24
Banded Killifish	<i>Fundulus diaphanus</i>	24
Longnose Dace	<i>Rhinichthys cataractae</i>	23
Margined Madtom	<i>Noturus insignis</i>	22
Creek Chub	<i>Semotilus atromaculatus</i>	10
Bluegill	<i>Lepomis macrochirus</i>	4
Smallmouth Bass	<i>Micropterus dolomieu</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1