

FIBI034-R3

Harihokake Creek

Milford Frenchtown Road

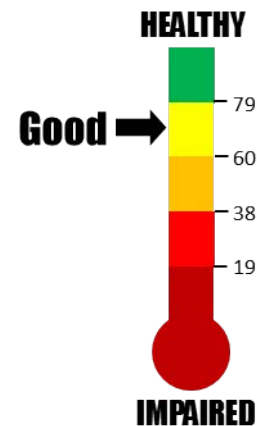
Municipality: Alexandria Twp

County: Hunterdon

Drainage Area (sq miles): 9.8

Sample Date: 06/29/2012

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	32.75
Metric 2-%Cold Non-tolerant Coolwater	80.58
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	77.57
Metric 5-%Lithophilic Richness	63.39
Metric 6-%Cyprinidae	73.48
Metric 7-%Dominant 3 Taxa	100.00
Metric 8-%Benthic Insectivore Richness	66.23

Field Chemistry

Air Temp (°C)	31.1
Water Temperature (°C)	20.76
Dissolved Oxygen (mg/L)	7.33
% Saturation	83.3
pH	6.83
Conductivity (µS/cm)	187

Northern Fish IBI Score (0-100): 68.80

IBI Rating: Good

High Gradient Habitat Score (0-200): 151

Habitat Rating: Suboptimal

Summary: The 2012 sampling event was the first time wild brown trout were collected at this site. Two young-of-the-year brown trout were collected from this FW2-TMC1 stream which documents natural reproduction and nominates this section for upgrade to trout production.

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	442
American Eel	<i>Anguilla rostrata</i>	97
Tessellated Darter	<i>Etheostoma olmstedii</i>	62
Longnose Dace	<i>Rhinichthys cataractae</i>	54
Margined Madtom	<i>Noturus insignis</i>	44
Green Sunfish	<i>Lepomis cyanellus</i>	40
Common Shiner	<i>Luxilus cornutus</i>	22
Creek Chub	<i>Semotilus atromaculatus</i>	17
White Sucker	<i>Catostomus commersoni</i>	16
Cutlips Minnow	<i>Exoglossum maxillingua</i>	15
Redbreast Sunfish	<i>Lepomis auritus</i>	6
Brown Trout	<i>Salmo trutta</i>	2
Smallmouth Bass	<i>Micropterus dolomieu</i>	2
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Yellow Bullhead	<i>Ameiurus natalis</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1