

FIBI053-R4

Mulhockaway Creek

Rt 635

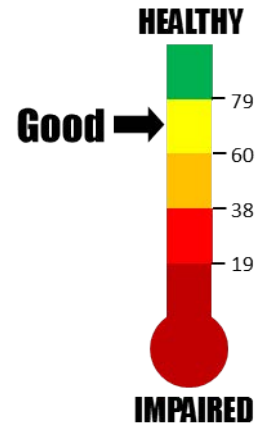
Municipality: Union Twp

County: Hunterdon

Drainage Area (sq miles): 9.3

Sample Date: 07/09/2015

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	67.84
Metric 2-%Cold Non-tolerant Coolwater	69.44
Metric 3-%Generalist Richness	67.63
Metric 4-Tolerance Index	84.30
Metric 5-%Lithophilic Richness	48.30
Metric 6-%Cyprinidae	41.79
Metric 7-%Dominant 3 Taxa	56.99
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	25.3
Water Temperature (°C)	19.9
Dissolved Oxygen (mg/L)	9.72
% Saturation	107.5
pH	7.98
Conductivity (µS/cm)	323.1

Northern Fish IBI Score (0-100): 60.05

IBI Rating: Good

High Gradient Habitat Score (0-200): 145

Habitat Rating: Suboptimal

Summary: FIBI053 is a sentinel site sampled on a frequent basis to assess environmental change and natural variability in the fish community. Scores have varied at this site mainly due to fluctuations in wild brown trout abundance from year to year.

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Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	164
Tessellated Darter	<i>Etheostoma olmstedii</i>	112
White Sucker	<i>Catostomus commersoni</i>	99
Blacknose Dace	<i>Rhinichthys atratulus</i>	90
Brown Trout	<i>Salmo trutta</i>	67
Largemouth Bass	<i>Micropterus salmoides</i>	49
Spottail Shiner	<i>Notropis hudsonius</i>	29
American Eel	<i>Anguilla rostrata</i>	15
Slimy Sculpin	<i>Cottus cognatus</i>	12
Brook Trout	<i>Salvelinus fontinalis</i>	8
Creek Chub	<i>Semotilus atromaculatus</i>	6
Bluegill	<i>Lepomis macrochirus</i>	4
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Golden Shiner	<i>Notemigonus crysoleucas</i>	2
Green Sunfish	<i>Lepomis cyanellus</i>	2
Yellow Perch	<i>Perca flavescens</i>	2
Smallmouth Bass	<i>Micropterus dolomieu</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1