

FIBI053-R3

Mulhockaway Creek

Rt 635

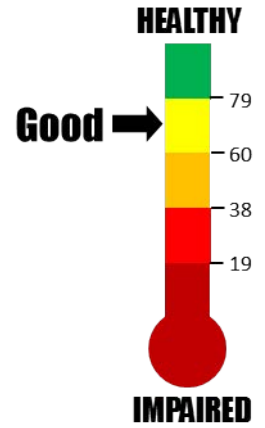
Municipality: Union Twp

County: Hunterdon

Drainage Area (sq miles): 9.3

Sample Date: 07/16/2012

Site Type: Sentinel



IBI Metrics

Metric 1-%Rheophilic Richness	78.06
Metric 2-%Cold Non-tolerant Coolwater	78.61
Metric 3-%Generalist Richness	69.02
Metric 4-Tolerance Index	96.62
Metric 5-%Lithophilic Richness	54.33
Metric 6-%Cyprinidae	45.29
Metric 7-%Dominant 3 Taxa	82.48
Metric 8-%Benthic Insectivore Richness	49.67

Field Chemistry

Air Temp (°C)	27.3
Water Temperature (°C)	20.22
Dissolved Oxygen (mg/L)	8.52
% Saturation	95.2
pH	6.95
Conductivity (µS/cm)	304

Northern Fish IBI Score (0-100): 69.26

IBI Rating: Good

High Gradient Habitat Score (0-200): 157

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	298
Brown Trout	<i>Salmo trutta</i>	175
Tessellated Darter	<i>Etheostoma olmstedi</i>	90
Longnose Dace	<i>Rhinichthys cataractae</i>	89
White Sucker	<i>Catostomus commersoni</i>	79
Largemouth Bass	<i>Micropterus salmoides</i>	42
Green Sunfish	<i>Lepomis cyanellus</i>	39
Spottail Shiner	<i>Notropis hudsonius</i>	19
Slimy Sculpin	<i>Cottus cognatus</i>	18
Pumpkinseed	<i>Lepomis gibbosus</i>	15
Brook Trout	<i>Salvelinus fontinalis</i>	7
American Eel	<i>Anguilla rostrata</i>	4
Smallmouth Bass	<i>Micropterus dolomieu</i>	3
Creek Chub	<i>Semotilus atromaculatus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	2
Yellow Bullhead	<i>Ameiurus natalis</i>	1