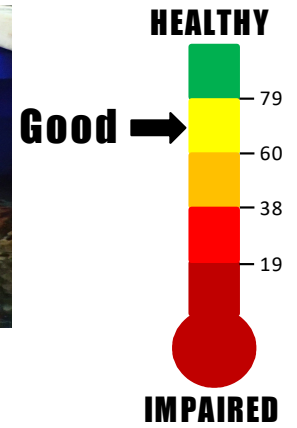


FIBI053-R4r Mulhockaway Creek



Rt 635
Municipality: Union Twp
County: Hunterdon
Drainage Area (sq miles): 9
Sample Date: 8/3/2017
Site Type: Sentinel

IBI Metrics

Metric 1-%Rheophilic Richness	59.67
Metric 2-%Cold Non-tolerant Coolwater	83.00
Metric 3-%Generalist Richness	76.58
Metric 4-Tolerance Index	85.95
Metric 5-%Lithophilic Richness	38.64
Metric 6-%Cyprinidae	49.07
Metric 7-%Dominant 3 Taxa	57.73
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	23.5
Water Temperature (°C)	18.35
Dissolved Oxygen (mg/L)	9.6
% Saturation	103.7
pH	7.63
Conductivity (µS/cm)	347.8
Total Kjeldahl (mg/L)	0.10
Total Phosphorus (mg/L)	0.03
Nitrate/Nitrite (mg/L)	1.10

Northern Fish IBI Score (0-100): 62.95

IBI Rating: Good

High Gradient Habitat Score (0-200): 144

Habitat Rating: Suboptimal

FIBI053-R4r

Mulhockaway Creek

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	215
Tessellated Darter	<i>Etheostoma olmstedi</i>	196
Longnose Dace	<i>Rhinichthys cataractae</i>	182
White Sucker	<i>Catostomus commersoni</i>	92
Brown Trout	<i>Salmo trutta</i>	55
Slimy Sculpin	<i>Cottus cognatus</i>	25
Largemouth Bass	<i>Micropterus salmoides</i>	24
Spottail Shiner	<i>Notropis hudsonius</i>	14
American Eel	<i>Anguilla rostrata</i>	13
Bluegill	<i>Lepomis macrochirus</i>	11
Smallmouth Bass	<i>Micropterus dolomieu</i>	10
Spotfin Shiner	<i>Cyprinella spiloptera</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1
Redbreast Sunfish	<i>Lepomis auritus</i>	1