

FIBI027-R4

Lockatong Creek

CR 519

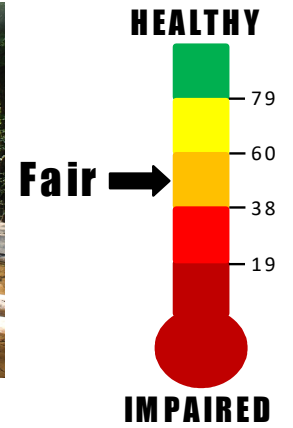
Municipality: Kingwood Twp

County: Hunterdon

Drainage Area (sq miles): 15 Sample

Date: 7/20/2017

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	19.25
Metric 2-%Cold Non-tolerant Coolwater	34.85
Metric 3-%Generalist Richness	56.43
Metric 4-Tolerance Index	59.86
Metric 5-%Lithophilic Richness	41.40
Metric 6-%Cyprinidae	57.15
Metric 7-%Dominant 3 Taxa	66.95
Metric 8-%Benthic Insectivore Richness	18.92

Field Chemistry

Air Temp (°C)	26.3
Water Temperature (°C)	24.76
Dissolved Oxygen (mg/L)	5.2
% Saturation	63
pH	7.15
Conductivity (µS/cm)	193.3
Total Kjeldahl (mg/L)	0.62
Total Phosphorus (mg/L)	0.10
Nitrate/Nitrite (mg/L)	0.73

Northern Fish IBI Score (0-100): 44.35

IBI Rating: Fair

High Gradient Habitat Score (0-200): 125

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	369
Banded Killifish	<i>Fundulus diaphanus</i>	264
Redbreast Sunfish	<i>Lepomis auritus</i>	262
Swallowtail Shiner	<i>Notropis procne</i>	235
White Sucker	<i>Catostomus commersoni</i>	89
Tessellated Darter	<i>Etheostoma olmstedi</i>	78
American Eel	<i>Anguilla rostrata</i>	54
Satinfin Shiner	<i>Cyprinella analostana</i>	52
Common Shiner	<i>Luxilus cornutus</i>	50
Creek Chub	<i>Semotilus atromaculatus</i>	35
Green Sunfish	<i>Lepomis cyanellus</i>	27
Golden Shiner	<i>Notemigonus crysoleucas</i>	7
Spottail Shiner	<i>Notropis hudsonius</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	1