

FIBI054-R4

Lamington River

McCann Mill Road

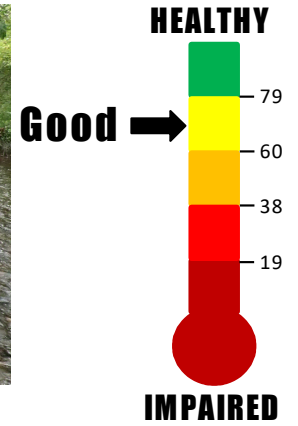
Municipality: Tewksbury Twp

County: Hunterdon

Drainage Area (sq miles): 44

Sample Date: 9 / 4 / 2019

Site Type: Fixed



IBI Metrics

Metric 1-%Rheophilic Richness	94.65
Metric 2-%Cold Non-tolerant Coolwater	76.78
Metric 3-%Generalist Richness	86.07
Metric 4-Tolerance Index	62.16
Metric 5-%Lithophilic Richness	68.18
Metric 6-%Cyprinidae	60.22
Metric 7-%Dominant 3 Taxa	64.65
Metric 8-%Benthic Insectivore Richness	62.33

Field Chemistry

Air Temp (°C)	22.1
Water Temperature (°C)	19.04
Dissolved Oxygen (mg/L)	9.4
% Saturation	100
pH	7.64
Conductivity (µS/cm)	338.7
Total Kjeldahl (mg/L)	0.23
Total Phosphorus (mg/L)	0.04
Nitrate/Nitrite (mg/L)	0.55

Northern Fish IBI Score (0-100): 71.88

IBI Rating: Good

High Gradient Habitat Score (0-200): 164

Habitat Rating: Optimal

Summary: Results have remained fairly consistent over the four rounds of monitoring at FIBI054 on the Lamington River.

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	82
Tessellated Darter	<i>Etheostoma olmstedi</i>	59
Blacknose Dace	<i>Rhinichthys atratulus</i>	55
Longnose Dace	<i>Rhinichthys cataractae</i>	47
White Sucker	<i>Catostomus commersonii</i>	32
Creek Chub	<i>Semotilus atromaculatus</i>	17
Redbreast Sunfish	<i>Lepomis auritus</i>	17
Margined Madtom	<i>Noturus insignis</i>	12
Fallfish	<i>Semotilus corporalis</i>	10
Shield Darter	<i>Percina peltata</i>	7
Pumpkinseed	<i>Lepomis gibbosus</i>	7
Common Shiner	<i>Luxilus cornutus</i>	6
Spottail Shiner	<i>Notropis hudsonius</i>	5
Largemouth Bass	<i>Micropterus salmoides</i>	3
American Brook Lamprey	<i>Lethenteron appendix</i>	3
Brown Trout	<i>Salmo trutta</i>	3
Bluegill	<i>Lepomis macrochirus</i>	1