

# FIBI109-R3

## Lamington River

Rattlesnake Bridge Road

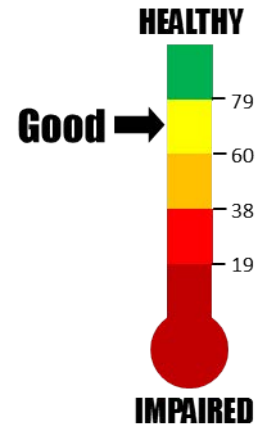
Municipality: Tewksbury Twp

County: Hunterdon

Drainage Area (sq miles): 54

Sample Date: 07/20/2012

Site Type: Fixed



### IBI Metrics

Metric 1-%Rheophilic Richness	88.37
Metric 2-%Cold Non-tolerant Coolwater	87.15
Metric 3-%Generalist Richness	82.95
Metric 4-Tolerance Index	69.74
Metric 5-%Lithophilic Richness	76.26
Metric 6-%Cyprinidae	62.59
Metric 7-%Dominant 3 Taxa	63.30
Metric 8-%Benthic Insectivore Richness	55.77

### Field Chemistry

Air Temp (°C)	20.2
Water Temperature (°C)	21
Dissolved Oxygen (mg/L)	7.79
% Saturation	88.5
pH	7.27
Conductivity (µS/cm)	319

*Northern Fish IBI Score (0-100): 73.26*

*IBI Rating: Good*

*High Gradient Habitat Score (0-200): 161*

*Habitat Rating: Optimal*

**Summary:** Several young-of-the-year brown trout were collected from this FW2-NTC1 which indicates natural trout reproduction and makes this section of the Lamington River a candidate for upgrade to trout production.

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## **Lamington River**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Abundance</b>
White Sucker	<i>Catostomus commersoni</i>	92
Longnose Dace	<i>Rhinichthys cataractae</i>	78
Tessellated Darter	<i>Etheostoma olmstedii</i>	65
American Eel	<i>Anguilla rostrata</i>	33
Blacknose Dace	<i>Rhinichthys atratulus</i>	28
Smallmouth Bass	<i>Micropterus dolomieu</i>	25
Creek Chub	<i>Semotilus atromaculatus</i>	25
Fallfish	<i>Semotilus corporalis</i>	24
American Brook Lamprey	<i>Lethenteron appendix</i>	20
Redbreast Sunfish	<i>Lepomis auritus</i>	11
Shield Darter	<i>Percina peltata</i>	11
Common Shiner	<i>Luxilus cornutus</i>	10
Margined Madtom	<i>Noturus insignis</i>	9
Bluegill	<i>Lepomis macrochirus</i>	6
Spotfin Shiner	<i>Cyprinella spiloptera</i>	4
Brown Trout	<i>Salmo trutta</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Rock Bass	<i>Ambloplites rupestris</i>	2
Eastern Mudminnow	<i>Umbra pygmaea</i>	1