

NJS11-160-R3

Lamington River

Fiddler's Elbow Golf Course

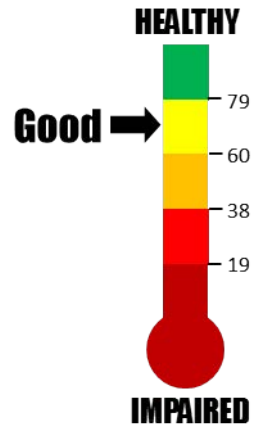
Municipality: Readington Twp

County: Hunterdon

Drainage Area (sq miles): 55

Sample Date: 09/03/2014

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	63.82
Metric 2-%Cold Non-tolerant Coolwater	100.00
Metric 3-%Generalist Richness	61.23
Metric 4-Tolerance Index	84.04
Metric 5-%Lithophilic Richness	48.30
Metric 6-%Cyprinidae	57.90
Metric 7-%Dominant 3 Taxa	43.73
Metric 8-%Benthic Insectivore Richness	50.46

Field Chemistry

Air Temp (°C)	25.4
Water Temperature (°C)	22.27
Dissolved Oxygen (mg/L)	8.55
% Saturation	98.5
pH	7.88
Conductivity (µS/cm)	354.4

Northern Fish IBI Score (0-100): 63.68

IBI Rating: Good

High Gradient Habitat Score (0-200): 137

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	207
Longnose Dace	<i>Rhinichthys cataractae</i>	158
American Eel	<i>Anguilla rostrata</i>	70
Smallmouth Bass	<i>Micropterus dolomieu</i>	49
Shield Darter	<i>Percina peltata</i>	47
Blacknose Dace	<i>Rhinichthys atratulus</i>	29
Creek Chub	<i>Semotilus atromaculatus</i>	24
Redbreast Sunfish	<i>Lepomis auritus</i>	20
Green Sunfish	<i>Lepomis cyanellus</i>	16
Common Shiner	<i>Luxilus cornutus</i>	10
Margined Madtom	<i>Noturus insignis</i>	7
American Brook Lamprey	<i>Lethenteron appendix</i>	7
Spotfin Shiner	<i>Cyprinella spiloptera</i>	6
Largemouth Bass	<i>Micropterus salmoides</i>	4
Yellow Bullhead	<i>Ameiurus natalis</i>	3
White Sucker	<i>Catostomus commersoni</i>	3
Bluegill	<i>Lepomis macrochirus</i>	3
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Banded Killifish	<i>Fundulus diaphanus</i>	3
Sea Lamprey	<i>Petromyzon marinus</i>	2
Eastern Mudminnow	<i>Umbra pygmaea</i>	2