

NJS11-117-R3

Lamington River

Rattlesnake Bridge Road

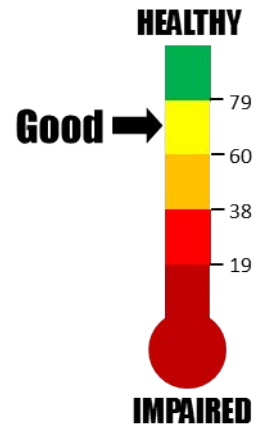
Municipality: Bedminster Twp

County: Somerset

Drainage Area (sq miles): 54

Sample Date: 08/31/2012

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	72.24
Metric 2-%Cold Non-tolerant Coolwater	77.53
Metric 3-%Generalist Richness	81.62
Metric 4-Tolerance Index	65.26
Metric 5-%Lithophilic Richness	60.37
Metric 6-%Cyprinidae	52.95
Metric 7-%Dominant 3 Taxa	79.87
Metric 8-%Benthic Insectivore Richness	44.15

Field Chemistry

Air Temp (°C)	24.2
Water Temperature (°C)	18.71
Dissolved Oxygen (mg/L)	7.46
% Saturation	80.3
pH	6.87
Conductivity (µS/cm)	362

Northern Fish IBI Score (0-100): 66.75

IBI Rating: Good

High Gradient Habitat Score (0-200): 172

Habitat Rating: Optimal

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Common Name	Scientific Name	Abundance
Tessellated Darter	<i>Etheostoma olmstedii</i>	125
White Sucker	<i>Catostomus commersoni</i>	109
American Eel	<i>Anguilla rostrata</i>	55
Common Shiner	<i>Luxilus cornutus</i>	47
Creek Chub	<i>Semotilus atromaculatus</i>	45
Smallmouth Bass	<i>Micropterus dolomieu</i>	42
Redbreast Sunfish	<i>Lepomis auritus</i>	41
Longnose Dace	<i>Rhinichthys cataractae</i>	41
Banded Killifish	<i>Fundulus diaphanus</i>	34
Fallfish	<i>Semotilus corporalis</i>	33
Shield Darter	<i>Percina peltata</i>	22
Blacknose Dace	<i>Rhinichthys atratulus</i>	21
American Brook Lamprey	<i>Lethenteron appendix</i>	17
Swallowtail Shiner	<i>Notropis procne</i>	12
Bluegill	<i>Lepomis macrochirus</i>	11
Spottail Shiner	<i>Notropis hudsonius</i>	11
Pumpkinseed	<i>Lepomis gibbosus</i>	9
Margined Madtom	<i>Noturus insignis</i>	8
Yellow Bullhead	<i>Ameiurus natalis</i>	3
Rock Bass	<i>Ambloplites rupestris</i>	2
Sea Lamprey	<i>Petromyzon marinus</i>	2
Redfin Pickerel	<i>Esox americanus americanus</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Green Sunfish	<i>Lepomis cyanellus</i>	1