

NJS2016-008-R4

Lamington River

State Park Rd.

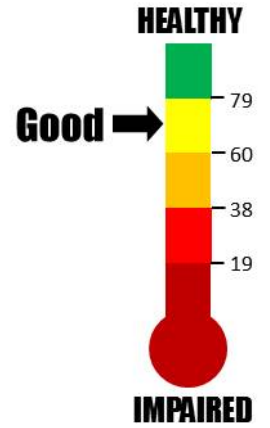
Municipality: Chester Twp

County: Morris

Drainage Area (sq miles): 26

Sample Date: 06/21/2016

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	95.25
Metric 3-%Generalist Richness	36.28
Metric 4-Tolerance Index	72.68
Metric 5-%Lithophilic Richness	57.95
Metric 6-%Cyprinidae	99.21
Metric 7-%Dominant 3 Taxa	25.11
Metric 8-%Benthic Insectivore Richness	52.98

Field Chemistry

Air Temp (°C)	23.8
Water Temperature (°C)	21.06
Dissolved Oxygen (mg/L)	8.51
% Saturation	97.4
pH	7.69
Conductivity (µS/cm)	441.9

Northern Fish IBI Score (0-100): 67.43

IBI Rating: Good

High Gradient Habitat Score (0-200): 158

Habitat Rating: Suboptimal

NJS2016-008-R4

Lamington River

Common Name	Scientific Name	Abundance
Longnose Dace	<i>Rhinichthys cataractae</i>	266
Blacknose Dace	<i>Rhinichthys atratulus</i>	80
American Eel	<i>Anguilla rostrata</i>	69
Tessellated Darter	<i>Etheostoma olmstedi</i>	32
Redbreast Sunfish	<i>Lepomis auritus</i>	11
Creek Chub	<i>Semotilus atromaculatus</i>	10
White Sucker	<i>Catostomus commersonii</i>	9
Eastern Mudminnow	<i>Umbra pygmaea</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Brook Trout	<i>Salvelinus fontinalis</i>	1