

NJS11-108-R3

Musconetcong River

Bloomsbury Road

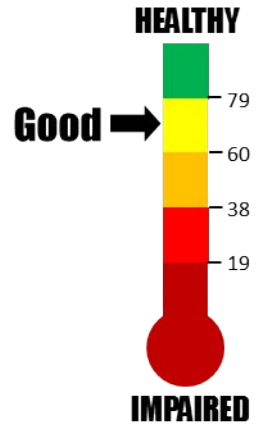
Municipality: Franklin Twp

County: Warren

Drainage Area (sq miles):143

Sample Date: 07/10/2012

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	81.25
Metric 2-%Cold Non-tolerant Coolwater	89.14
Metric 3-%Generalist Richness	95.18
Metric 4-Tolerance Index	50.63
Metric 5-%Lithophilic Richness	78.02
Metric 6-%Cyprinidae	73.00
Metric 7-%Dominant 3 Taxa	48.96
Metric 8-%Benthic Insectivore Richness	61.13

Field Chemistry

Air Temp (°C)	26.4
Water Temperature (°C)	20.03
Dissolved Oxygen (mg/L)	9.11
% Saturation	101.1
pH	7.6
Conductivity (µS/cm)	453

Northern Fish IBI Score (0-100): 72.17

IBI Rating: Good

High Gradient Habitat Score (0-200): 143

Habitat Rating: Suboptimal

NJS11-108-R3

Musconetcong River

Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	232
American Eel	<i>Anguilla rostrata</i>	182
Tessellated Darter	<i>Etheostoma olmstedi</i>	168
White Sucker	<i>Catostomus commersoni</i>	124
Sea Lamprey	<i>Petromyzon marinus</i>	21
Longnose Dace	<i>Rhinichthys cataractae</i>	15
Brown Trout	<i>Salmo trutta</i>	10
Cutlips Minnow	<i>Exoglossum maxillingua</i>	7
Redbreast Sunfish	<i>Lepomis auritus</i>	5
Rock Bass	<i>Ambloplites rupestris</i>	4
Spottail Shiner	<i>Notropis hudsonius</i>	3
Creek Chub	<i>Semotilus atromaculatus</i>	1
Smallmouth Bass	<i>Micropterus dolomieu</i>	1