

# NJS11-116-R3

## Musconetcong River

Musconetcong River Road

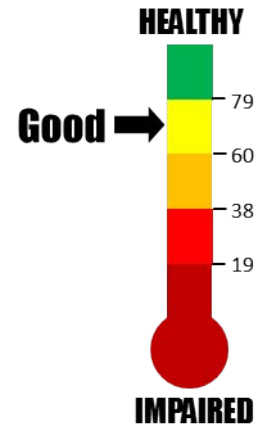
Municipality: Lebanon Twp

County: Hunterdon

Drainage Area (sq miles):114

Sample Date: 08/17/2012

Site Type: Probabilistic



### IBI Metrics

Metric 1-%Rheophilic Richness	67.44
Metric 2-%Cold Non-tolerant Coolwater	90.94
Metric 3-%Generalist Richness	94.22
Metric 4-Tolerance Index	72.53
Metric 5-%Lithophilic Richness	72.44
Metric 6-%Cyprinidae	95.16
Metric 7-%Dominant 3 Taxa	69.96
Metric 8-%Benthic Insectivore Richness	49.67

### Field Chemistry

Air Temp (°C)	21.6
Water Temperature (°C)	19.83
Dissolved Oxygen (mg/L)	8.62
% Saturation	96.1
pH	7.25
Conductivity (µS/cm)	462

*Northern Fish IBI Score (0-100): 76.55*

*IBI Rating: Good*

*High Gradient Habitat Score (0-200): 145*

*Habitat Rating: Suboptimal*

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	189
Tessellated Darter	<i>Etheostoma olmstedii</i>	125
American Eel	<i>Anguilla rostrata</i>	114
Longnose Dace	<i>Rhinichthys cataractae</i>	96
White Sucker	<i>Catostomus commersoni</i>	54
Cutlips Minnow	<i>Exoglossum maxillingua</i>	54
Redbreast Sunfish	<i>Lepomis auritus</i>	20
Satinfin Shiner	<i>Cyprinella analostana</i>	15
Creek Chub	<i>Semotilus atromaculatus</i>	11
Rock Bass	<i>Ambloplites rupestris</i>	7
Smallmouth Bass	<i>Micropterus dolomieu</i>	3
Common Shiner	<i>Luxilus cornutus</i>	3
Bluegill	<i>Lepomis macrochirus</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2
Brown Trout	<i>Salmo trutta</i>	1
Spottail Shiner	<i>Notropis hudsonius</i>	1