

# NJS11-158-R3

## Musconetcong River

off Park Road

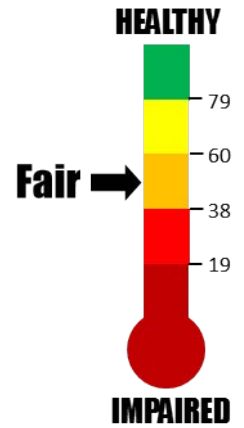
Municipality: Hackettstown Town

County: Warren

Drainage Area (sq miles): 72

Sample Date: 08/01/2014

Site Type: Probabilistic



### IBI Metrics

Metric 1-%Rheophilic Richness	58.28
Metric 2-%Cold Non-tolerant Coolwater	35.86
Metric 3-%Generalist Richness	86.07
Metric 4-Tolerance Index	37.72
Metric 5-%Lithophilic Richness	42.61
Metric 6-%Cyprinidae	27.58
Metric 7-%Dominant 3 Taxa	20.69
Metric 8-%Benthic Insectivore Richness	62.33

### Field Chemistry

Air Temp (°C)	24.6
Water Temperature (°C)	22.81
Dissolved Oxygen (mg/L)	9.01
% Saturation	106.1
pH	8.16
Conductivity (µS/cm)	509.9

*Northern Fish IBI Score (0-100): 46.39*

*IBI Rating: Fair*

*High Gradient Habitat Score (0-200): 148*

*Habitat Rating: Suboptimal*

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## Musconetcong River

Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	420
Redbreast Sunfish	<i>Lepomis auritus</i>	247
Fallfish	<i>Semotilus corporalis</i>	59
Smallmouth Bass	<i>Micropterus dolomieu</i>	57
White Sucker	<i>Catostomus commersoni</i>	50
Rock Bass	<i>Ambloplites rupestris</i>	33
Margined Madtom	<i>Noturus insignis</i>	16
Longnose Dace	<i>Rhinichthys cataractae</i>	8
Tessellated Darter	<i>Etheostoma olmstedii</i>	6
Creek Chubsucker	<i>Erimyzon oblongus</i>	5
Yellow Bullhead	<i>Ameiurus natalis</i>	4
Pumpkinseed	<i>Lepomis gibbosus</i>	3
Common Shiner	<i>Luxilus cornutus</i>	3
Chain Pickerel	<i>Esox niger</i>	2
Largemouth Bass	<i>Micropterus salmoides</i>	1
Brown Bullhead	<i>Ameiurus nebulosus</i>	1
Bluegill	<i>Lepomis macrochirus</i>	1