

NJS11-170-R4

Musconetcong River

Shurts Rd

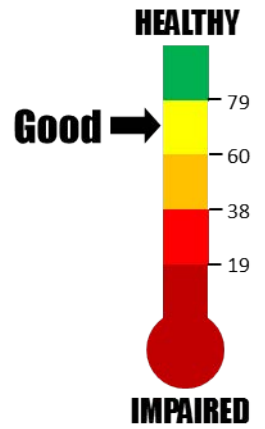
Municipality: Franklin Twp

County: Warren

Drainage Area (sq miles):124

Sample Date: 07/14/2015

Site Type: Probabilistic



IBI Metrics

Metric 1-%Rheophilic Richness	100.00
Metric 2-%Cold Non-tolerant Coolwater	64.05
Metric 3-%Generalist Richness	100.00
Metric 4-Tolerance Index	41.77
Metric 5-%Lithophilic Richness	63.39
Metric 6-%Cyprinidae	72.34
Metric 7-%Dominant 3 Taxa	49.44
Metric 8-%Benthic Insectivore Richness	82.78

Field Chemistry

Air Temp (°C)	27.5
Water Temperature (°C)	20.6
Dissolved Oxygen (mg/L)	8.82
% Saturation	100.2
pH	8
Conductivity (µS/cm)	523.4

Northern Fish IBI Score (0-100): 71.72

IBI Rating: Good

High Gradient Habitat Score (0-200): 150

Habitat Rating: Suboptimal

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Common Name	Scientific Name	Abundance
American Eel	<i>Anguilla rostrata</i>	330
Blacknose Dace	<i>Rhinichthys atratulus</i>	146
Tessellated Darter	<i>Etheostoma olmstedii</i>	62
White Sucker	<i>Catostomus commersoni</i>	54
Longnose Dace	<i>Rhinichthys cataractae</i>	45
Cutlips Minnow	<i>Exoglossum maxillingua</i>	36
Spottail Shiner	<i>Notropis hudsonius</i>	15
Slimy Sculpin	<i>Cottus cognatus</i>	12
Fathead Minnow	<i>Pimephales promelas</i>	11
Brown Trout	<i>Salmo trutta</i>	5
Margined Madtom	<i>Noturus insignis</i>	4
Smallmouth Bass	<i>Micropterus dolomieu</i>	4
Largemouth Bass	<i>Micropterus salmoides</i>	3
Brook Trout	<i>Salvelinus fontinalis</i>	2
Rainbow Trout	<i>Oncorhynchus mykiss</i>	1
Mummichog	<i>Fundulus heteroclitus</i>	1