

FIBI543-R1

Lopatcong Creek

Wester Rd.

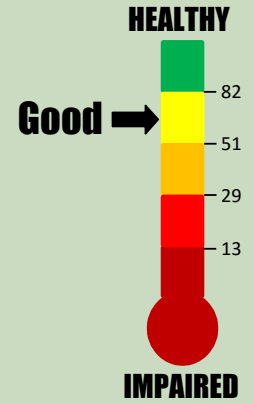
Municipality: Harmony

County: Warren

Drainage Area (sq miles): 3.35

Sample Date: 5 /31/2017

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	100.00
Metric 2 - Proportion of vertebrate species as top carnivores	71.77
Metric 3 -Percent tolerant fish	90.95
Metric 4 -Proportion of total richness as native	91.67
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	11.88

Air Temperature (°C)	19.5
Water Temperature (°C)	14.07
Dissolved Oxygen (mg/L)	10.16
% Saturation	99
pH	7.37
Conductivity (uS/cm)	249.6
Nitrate/Nitrite (mg/L):	0.824
Total Kjeldahl (mg/L):	0.209
Total Phosphorus (mg/L):	0.018

Headwaters IBI Score (0-100): ***77.71***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***162***

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	264
Tessellated Darter	<i>Etheostoma olmstedi</i>	34
White Sucker	<i>Catostomus commersoni</i>	29
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	23
Sea Lamprey	<i>Petromyzon marinus</i>	23
Brown Trout	<i>Salmo trutta</i>	21
Common Crayfish	<i>Cambarus bartonii bartonii</i>	13
Brook Trout	<i>Salvelinus fontinalis</i>	9
American Eel	<i>Anguilla rostrata</i>	5
American Brook Lamprey	<i>Lampetra appendix</i>	4
Creek Chub	<i>Semotilus atromaculatus</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	1