

FIBI516-R1

Beech Brook

Beech Road

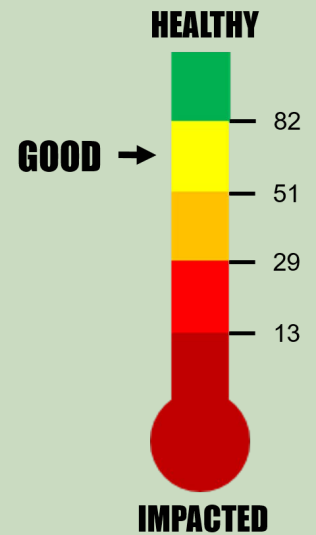
Municipality: West Milford

County: Passaic

Drainage Area (sq miles): 1.4

Sample Date: 7/12/2013

Site Type: Validation



Metric 1 - Number of intolerant vertebrate species	66.67
Metric 2 - Proportion of vertebrate species as top carnivores	87.72
Metric 3 -Percent tolerant fish	56.48
Metric 4 -Proportion of total richness as native	80.00
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	14.85

Air Temperature (°C)	23.6
Water Temperature (°C)	19.58
Dissolved Oxygen (mg/L)	8.04
% Saturation	86.7
pH	5.43
Conductivity (uS/cm)	75

Headwaters IBI Score (0-100): ***50.95***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***167***

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Green Sunfish	<i>Lepomis cyanellus</i>	133
Blacknose Dace	<i>Rhinichthys atratulus</i>	128
Creek Chub	<i>Semotilus atromaculatus</i>	40
Brook Trout	<i>Salvelinus fontinalis</i>	9
Common Shiner	<i>Luxilus cornutus</i>	8
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	5
Bullfrog	<i>Lithobates catesbeianus</i>	4
Green Frog	<i>Lithobates clamitans</i>	3
Virile Crayfish	<i>Orconectes virilis</i>	2
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	2