

FIBI524-R1

Mossmans Brook Tributary

off Clinton Road

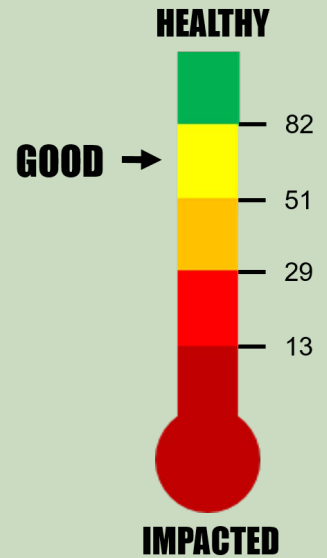
Municipality: West Milford

County: Passaic

Drainage Area (sq miles): 2.1

Sample Date: 7/23/2013

Site Type: Validation



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	87.72
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	87.50
Metric 5 -Percent native crayfish	0.00
Metric 6 -Brook trout density	0.00

Air Temperature (°C)	24.2
Water Temperature (°C)	21
Dissolved Oxygen (mg/L)	7.3
% Saturation	81.2
pH	5.1
Conductivity (uS/cm)	32

Headwaters IBI Score (0-100): ***51.43***

IBI Rating: ***Good***

High Gradient Habitat Score (0-200): ***177***

Habitat Rating: ***Optimal***

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Common Name	Scientific Name	Abundance
Blacknose Dace	<i>Rhinichthys atratulus</i>	160
Creek Chub	<i>Semotilus atromaculatus</i>	133
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	8
Bullfrog	<i>Lithobates catesbeianus</i>	1
Green Frog	<i>Lithobates clamitans</i>	1
Red-spotted Newt	<i>Notophthalmus viridescens viridescens</i>	1
Virile Crayfish	<i>Orconectes virilis</i>	1
American Toad	<i>Anaxyrus americanus</i>	1