

FIBI555-R1

Burnt Meadow Brook

Burnt Meadow Rd

Municipality: West Milford

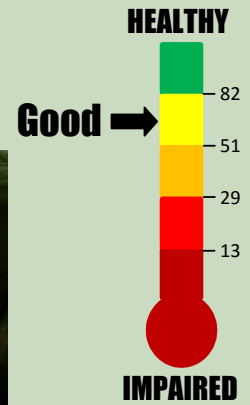
County: Passaic

Drainage Area (sq miles):1.59

Average Width (m): 3.35

Sample Date: 7 /10/2018

Site Type: Fixed



Metric 1 - Number of intolerant vertebrate species	33.33
Metric 2 - Proportion of vertebrate species as top carnivores	100.00
Metric 3 -Percent tolerant fish	100.00
Metric 4 -Proportion of total richness as native	80.00
Metric 5 -Percent native crayfish	100.00
Metric 6 -Brook trout density	72.61

Air Temperature (°C)	25.2
Water Temperature (°C)	18.64
Dissolved Oxygen (mg/L)	4.85
% Saturation	52.5
pH	6.43
Conductivity (uS/cm)	67.6
Nitrate/Nitrite (mg/L):	0.172
Total Kjeldahl (mg/L):	0.3
Total Phosphorus (mg/L):	0.0483

Headwaters IBI Score (0-100): **80.99**

IBI Rating: **Good**

High Gradient Habitat Score (0-200): **143**

Habitat Rating: **Suboptimal**

FIBI555-R1

Burnt Meadow Brook

Common Name	Scientific Name	Abundance
Brook Trout	<i>Salvelinus fontinalis</i>	33
Redfin Pickerel	<i>Esox americanus americanus</i>	30
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	13
Creek Chub	<i>Semotilus atromaculatus</i>	11
Common Crayfish	<i>Cambarus bartonii bartonii</i>	6
Green Frog	<i>Lithobates clamitans</i>	5
Pickerel Frog	<i>Lithobates palustris</i>	3
Largemouth Bass	<i>Micropterus salmoides</i>	2
Bluegill	<i>Lepomis macrochirus</i>	2
Bullfrog	<i>Lithobates catesbeianus</i>	1